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SH

GETTLER-RYAN INC.

TRANSMITTAL

May 13, 2002
G-R #386358

MAY 30 2002

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

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: Former Chevron Service Station
#9-3864
5101 Telegraph Avenue
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	May 6, 2002	Groundwater Monitoring and Sampling Report First Semi-Annual - Event of March 22, 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 ***May 27, 2002***, at which time the final report will be distributed to the following:

cc: **Ms. Susan Hugo, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577**
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Chuck Headlee, RWQCB-San Francisco Bay Region, 1515 Clay St., Suite 1400, Oakland, CA 94612
Messrs. Howard Schindler, Saul Gevertz and Jon Eager, Temescal Triangle Investors, 4179 Piedmont Ave., Oakland, CA 94611
Mr. John Gwynn, Gwynn-Schields & Associates, 300 Lakeside Dr., Ste. 1980, Oakland, CA 94612

Enclosures

trans/9-3864-KS

GETTLER-RYAN INC.

May 6, 2002
G-R Job #386358

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

RE: First Semi-Annual Event of March 22, 2002
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

Dear Ms. Streich:

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

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

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

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

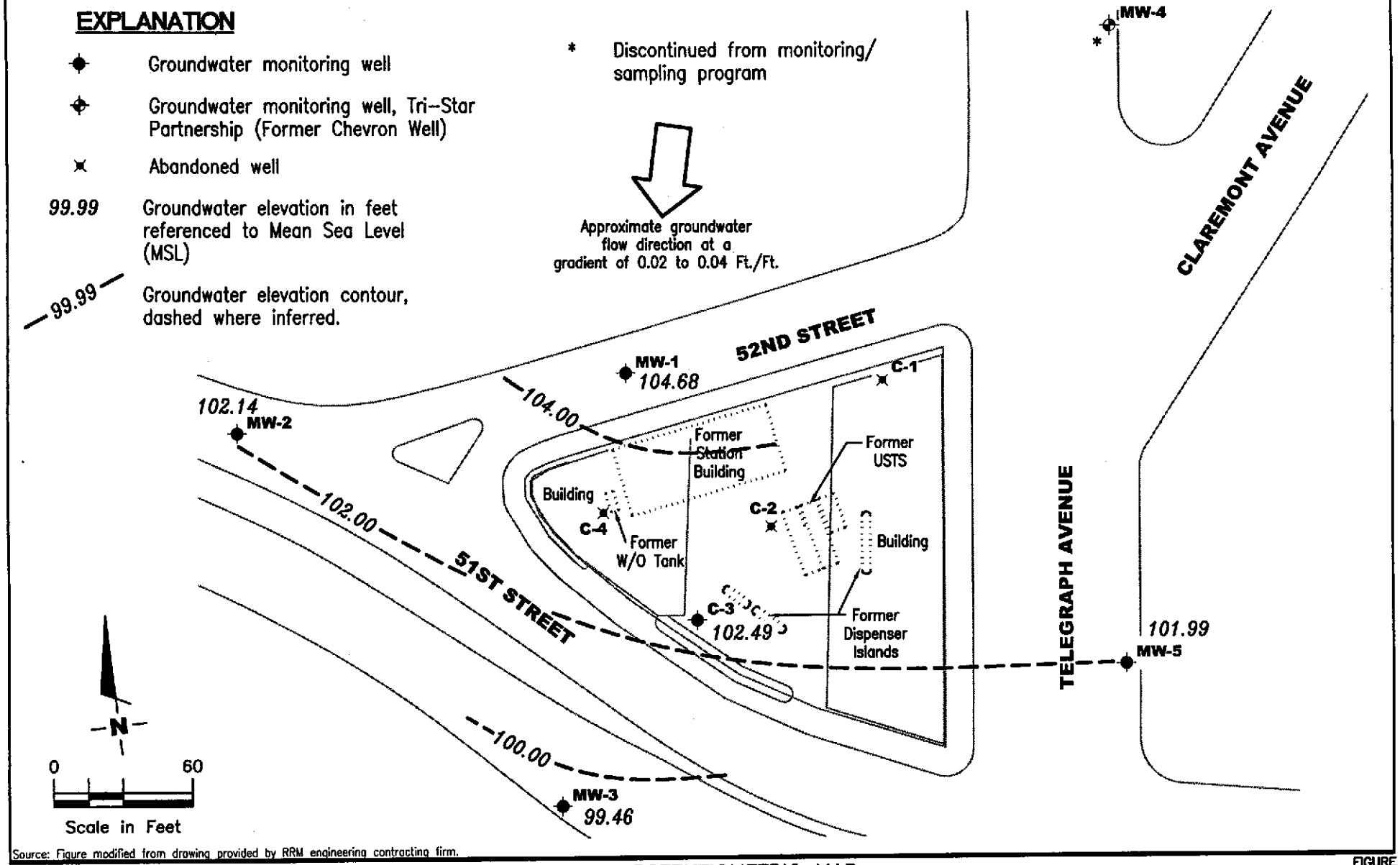
Sincerely,

Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Douglas J. Lee
Senior Geologist, R.G. No. 6882

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Dissolved Oxygen Concentrations
Table 3: Groundwater Analytical Results - Oxygenate Compounds
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
Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386358		March 22, 2002	

FILE NAME: P:\Enviro\Chevron\9-3864\Q02-9-3864.dwg | Layout Tab: Pot1

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1									
12/06/90	117.45	102.11	15.34	1,900	17	11	3.0	21	--
06/06/91	117.45	102.83	14.62	3,400	21	15	11	18	--
12/04/91	117.45	102.97	14.48	2,700	22	16	13	23	--
06/02/92	117.45	102.92	14.53	1,900	170	170	13	83	--
09/16/92	117.45	102.52	14.93	810	5.8	5.7	2.0	6.3	--
12/21/92	117.45	103.72	13.73	75	2.4	2.9	1.4	4.7	--
03/11/93	117.45	103.62	13.83	150	2.4	20	3.3	23	--
06/11/93	117.45	103.26	14.19	400	4.3	2.3	1.0	3.5	--
09/13/93	117.45	102.85	14.60	4,100	62	43	34	57	--
12/14/93	117.45	103.67	13.78	3,100	9.5	4.5	1.2	11	--
03/16/94	117.45	103.44	14.01	410	6.3	3.1	1.3	4.5	--
06/17/94	117.45	102.90	14.55	3,700	100	42	30	91	--
08/29/94	117.45	102.96	14.49	2,600	15	<0.5	6.7	9.7	--
12/06/94	117.45	104.04	13.41	510	2.0	2.2	1.7	9.4	--
03/31/95	117.45	105.33	12.12	5,440	9.0	2.3	2.0	3.6	--
06/24/95	117.45	103.45	14.00	260	5.8	1.0	0.94	0.88	--
09/12/95	117.45	103.42	14.03	650	14	1.1	1.6	2.4	--
12/29/95	117.45	104.50	12.95	990	32	6.3	4.0	3.2	46
02/29/96	117.45	105.27	12.18	840	2.5	<1.0	2.6	7.3	<5.0
06/26/96	117.45	103.72	13.73	290	3.6	0.73	1.0	1.1	9.9
09/12/96	117.45	103.32	14.13	1,200	17	1.8	4.0	4.4	24
12/11/96	117.45	104.66	12.79	7,700	<10	53	19	44	87
ABANDONED									
C-2									
12/06/90	116.16	100.82	15.34	210	140	9.0	2.0	11	--
06/06/91	116.16	101.54	14.62	4,800	340	23	19	23	--
12/04/91	116.16	100.73	15.43	3,900	85	15	9.1	15	--
06/02/92	116.16	101.74	14.42	3,300	76	9.2	14	15	--
09/16/92	116.16	101.35	14.81	3,000	16	15	3.4	7.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 (cont)									
12/21/92	116.16	102.79	13.37	2,200	21	12	7.1	15	--
03/11/93	116.16	102.69	13.47	2,200	33	24	12	25	--
06/11/93	116.16	102.18	13.98	2,600	21	25	11	26	--
09/13/93	116.16	101.61	14.55	2,100	31	25	18	39	--
12/14/93	116.16	102.46	13.70	3,800	<2.5	24	12	20	--
03/16/94	116.16	102.51	13.65	2,600	12	15	10	17	--
06/17/94	116.16	102.87	13.29	2,400	17	19	28	71	--
08/29/94	116.16	111.60	4.56	3,000	29	15	20	4.2	--
12/06/94	116.16	102.98	13.18	1,900	7.9	30	14	31	--
03/31/95	116.16	104.10	12.06	890	<1.3	<1.3	2.6	<1.3	--
06/24/95	116.16	102.19	13.97	730	4.8	<0.5	5.4	0.96	--
09/12/95	116.16	102.28	13.88	1,600	<2.5	<2.5	5.4	<2.5	--
12/29/95	116.16	103.31	12.85	1,000	9.1	2.7	8.7	2.7	19
02/29/96	116.16	104.09	12.07	850	<2.5	<2.5	8.7	11	<12
06/26/96	116.16	102.50	13.66	2,500	14	<5.0	13	6.3	<25
09/12/96	116.16	102.25	13.91	1,800	26	19	17	31	37
12/11/96	116.16	103.82	12.34	2,800	<5.0	34	14	<5.0	41
ABANDONED									
C-3									
12/06/90	115.70	98.84	16.86	210	2.0	<0.5	<0.5	1.0	--
12/06/90 (D)	--	--	--	220	2.0	0.6	<0.5	2.0	--
06/06/91	115.70	100.01	15.69	6,400	310	21	16	21	--
09/16/92	115.70	99.81	15.89	7,100	130	26	12	30	--
12/04/91	115.70	100.32	15.38	5,100	120	18	17	20	--
06/02/92	115.70	100.30	15.40	6,700	140	44	17	37	--
12/21/92	115.70	101.79	13.91	13,000	390	360	100	410	--
03/11/93	115.70	101.95	13.75	5,100	86	20	12	23	--
06/11/93	115.70	101.03	14.67	7,200	91	38	19	38	--
09/13/93	115.70	100.17	15.53	6,800	100	52	41	75	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)									
12/14/93	115.70	101.30	14.40	8,600	74	23	18	36	--
03/16/94	115.70	101.44	14.26	6,000	100	42	27	30	--
06/17/94	115.70	100.60	15.10	15,000	170	120	120	270	--
08/29/94	115.70	100.30	15.40	26,000	51	<0.5	58	107	--
12/06/94	115.70	101.90	13.80	34,000	88	140	98	390	--
03/31/95	115.70	102.91	12.79	2,800	42	<5.0	<5.0	6.6	--
06/24/95	115.70	100.84	14.86	5,200	34	<10	<10	13	--
09/12/95	115.70	100.76	14.94	7,000	45	<10	28	42	--
12/29/95	115.70	102.12	13.58	5,100	20	<10	<10	19	<50
02/29/96	115.70	102.88	12.82	2,600	15	<5.0	17	16	<25
06/26/96	115.70	101.32	14.38	4,400	<10	<10	<10	<10	<50
09/12/96	115.70	100.75	14.95	5,800	73	22	18	17	61
12/11/96	115.70	103.08	12.62	8,800	81	<20	<20	37	200
03/31/97	115.70	100.70	15.00	8,100	38	62	30	42	38
06/29/97	115.70	100.08	15.62	5,800	<10	<10	<10	67	<50
09/30/97	115.70	100.70	15.00	6,200	<10	28	21	27	130
12/12/97	115.70	103.68	12.02	330	1.6	1.1	<1.0	3.4	<5.0
02/19/98	115.70	103.26	12.44	110	1.7	<0.5	<0.5	0.51	<2.5
06/16/98	115.70	102.29	13.41	7,400	63	16	<10	<10	170
08/31/98	115.70	101.70	14.00	4,400	6.4	<2.5	5.4	16	15
12/23/98	115.70	102.91	12.79	11,000	83	37	69	76	86
03/09/99	115.70	102.70	13.00	6,500	45	38	17	30	110
06/23/99[1]	115.70	101.92	13.78	--	--	--	--	--	--
09/30/99	115.70	99.70	16.00	3,870	29.7	8.72	7.08	7.75	<50
02/29/00	115.70	102.14	13.56	2,660	22.5	<5.0	11.2	11.6	<50
09/18/00[3]	115.70	103.25	12.45	740[4]	6.0	4.5	<2.5	6.0	<13
03/21/01[3]	115.70	102.05	13.65	1,700[4]	21	12	14	19	59
09/04/01[3]	115.70	101.09	14.61	4,100	<10	4.8	6.5	14	<5.0/<2[5]
03/22/02[3,6]	**115.70**	**102.49**	**13.21**	**3,600**	**<5.0**	**<5.0**	**6.1**	**<15**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4									
12/06/90	116.10	98.42	17.68	<50	<0.5	<0.5	<0.5	<0.5	--
12/18/90	116.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/06/91	116.10	99.61	16.49	<50	1.0	1.0	<0.5	0.7	--
12/04/91	116.10	99.28	16.82	70	6.5	9.8	1.7	8.6	--
06/02/92	116.10	99.18	16.92	70	3.0	4.4	1.8	9.0	--
09/16/92	116.10	98.39	17.71	<50	1.4	1.8	<0.5	1.1	--
12/21/92	116.10	100.74	15.36	<50	0.6	0.7	<0.5	1.5	--
03/11/93	116.10	100.61	15.49	<50	<0.5	<0.5	<0.5	<1.5	--
06/11/93	116.10	99.83	16.27	52	0.9	3.1	0.7	3.8	--
09/13/93	116.10	98.92	17.18	64	0.9	1.0	<0.5	1.7	--
12/14/93	116.10	101.03	15.07	<50	<0.5	0.8	<0.5	0.7	--
03/16/94	116.10	100.19	15.91	<50	<0.5	1.0	<0.5	0.8	--
06/17/94	116.10	99.46	16.64	230	0.6	2.2	2.2	11	--
08/29/94	116.10	99.05	17.05	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	116.10	101.52	14.58	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/95	116.10	102.26	13.84	<50	<0.5	<0.5	<0.5	<0.5	--
06/24/95	116.10	100.05	16.05	<50	<0.5	<0.5	<0.5	<0.5	--
09/12/95	116.10	99.87	16.23	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/95	116.10	101.35	14.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/96	116.10	102.40	13.70	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/26/96	116.10	100.30	15.80	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/96	116.10	99.67	16.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	116.10	103.18	12.92	<50	<0.5	<0.5	<0.5	<0.5	<2.5
ABANDONED									
MW-1									
09/20/93	115.05	102.37	12.68	<50	<0.5	<0.5	<0.5	<1.5	--
12/14/93	115.05	105.01	10.04	<50	<0.5	<0.5	<0.5	<0.5	--
03/16/94	115.05	103.10	11.95	<50	<0.5	1.7	<0.5	2.1	--
06/17/94	115.05	102.51	12.54	350	1.2	3.7	2.0	12	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1 (cont)									
08/29/94	115.05	101.98	13.07	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	115.05	104.45	10.60	140	0.9	2.8	1.1	4.2	--
03/31/95	115.05	104.74	10.31	<50	<0.5	<0.5	<0.5	<0.5	--
06/24/95	115.05	102.44	12.61	<50	<0.5	<0.5	<0.5	<0.5	--
09/12/95	115.05	102.00	13.05	<50	<0.5	<0.5	<0.5	<0.5	--
02/02/96	115.05	106.19	8.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/96	115.05	105.39	9.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/26/96	115.05	102.85	12.20	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/96	115.05	101.55	13.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	115.05	105.90	9.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	115.05	102.30	12.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/29/97	115.05	102.01	13.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/97	115.05	101.80	13.25	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	115.05	106.06	8.99	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	115.05	105.64	9.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	115.02	103.48	11.54	<50	<0.5	<0.5	<0.5	<0.5	2.6
08/31/98	115.02	102.51	12.51	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/23/98	115.02	103.03	11.99	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/99	115.02	104.57	10.45	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/99	115.02	102.07	12.95	SAMPLED ANNUALLY		--	--	--	--
02/29/00	115.02	105.90	9.12	<50	<0.5	0.816	<0.5	<0.5	<5.0
09/18/00	115.02	104.14	10.88	--	--	--	--	--	--
03/21/01	115.02	104.01	11.01	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/04/01	115.02	103.60	11.42	--	--	--	--	--	--/<2[5]
03/22/02[6]	**115.02**	**104.68**	**10.34**	**100**	**<0.50**	**24**	**0.80**	**4.9**	**15**
MW-2									
09/20/93	112.08	99.93	12.15	<50	<0.5	<0.5	<0.5	<1.5	--
12/14/93	112.08	97.36	14.72	<50	<0.5	<0.5	<0.5	<0.5	--
03/16/94	112.08	100.92	11.16	<50	<0.5	1.1	<0.5	0.9	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-2 (cont)									
06/17/94	112.08	100.41	11.67	330	1.4	3.3	1.9	11	--
08/29/94	112.08	100.08	12.00	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	112.08	102.57	9.51	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/95	112.08	103.24	8.84	<50	<0.5	<0.5	<0.5	<0.5	--
06/24/95	112.08	100.44	11.64	<50	<0.5	<0.5	<0.5	<0.5	--
09/12/95	112.08	100.00	12.08	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/95	112.08	101.58	10.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/96	112.08	104.08	8.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/26/96	112.08	100.58	11.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/96	112.08	99.81	12.27	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	112.08	104.17	7.91	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	112.08	100.20	11.88	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/29/97	112.08	99.89	12.19	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/97	112.08	99.46	12.62	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	112.08	102.85	9.23	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	112.08	104.87	7.21	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	112.03	101.10	10.93	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	112.03	99.69	12.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/23/98	112.03	100.59	11.44	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/99	112.03	103.23	8.80	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/99	112.03	101.22	10.81	SAMPLED ANNUALLY		--	--	--	--
02/29/00	112.03	105.12	6.91	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/18/00	112.03	101.00	11.03	--	--	--	--	--	--
03/21/01	112.03	101.61	10.42	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/04/01	112.03	101.04	10.99	--	--	--	--	--	--/<2[5]
03/22/02	**112.03**	**102.14**	**9.89**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-3									
09/20/93	113.67	97.25	16.42	6,600	400	11	32	23	--
12/14/93	113.67	98.95	14.72	8,400	390	9.4	13	<2.5	--
03/16/94	113.67	98.45	15.22	6,900	260	30	32	27	--
06/17/94	113.67	97.62	16.05	10,000	190	61	58	190	--
08/29/94	113.67	97.44	16.23	7,200	74	9.8	26	24	--
12/06/94	113.67	99.35	14.32	13,000	610	86	88	140	--
03/31/95	113.67	99.98	13.69	4,300	120	<10	12	<10	--
06/24/95	113.67	98.02	15.65	6,200	210	24	29	12	--
09/12/95	113.67	97.68	15.99	7,200	190	<20	<20	<20	--
12/29/95	113.67	99.67	14.00	7,100	200	<10	45	24	<50
02/29/96	113.67	100.91	12.76	1,200	30	<5.0	<5.0	<5.0	<25
06/26/96	113.67	98.44	15.23	7,900	180	<20	35	28	240
09/12/96	113.67	97.73	15.94	11,000	150	<5.0	35	28	170
12/11/96	113.67	99.86	13.81	7,500	75	8.8	30	45	110
03/31/97	113.67	98.23	15.44	8,700	100	<10	20	23	50
06/29/97	113.67	97.99	15.68	9,300	120	28	22	19	150
09/30/97	113.67	97.76	15.91	8,200	78	<10	22	25	96
12/12/97	113.67	100.82	12.85	68	1.8	<0.5	<0.5	<0.5	<2.5
02/19/98	113.67	100.41	13.26	220	5.6	1.5	<0.5	<0.5	6.1
06/16/98	113.63	99.12	14.51	7,500	97	21	21	27	160
08/31/98	113.63	98.62	15.01	7,600	24	<2.5	9.5	16	38
12/23/98	113.63	100.03	13.60	5,800	69	<50	<50	<50	<250
03/09/99	113.63	99.59	14.04	5,300	<10	<10	16	20	88
06/23/99[1]	113.63	--	--	--	--	--	--	--	--
07/19/99[1]	113.63	--	--	--	--	--	--	--	--
09/30/99	113.63	96.74	16.89	8,660	53.7	16.9	17	19.6	132
02/29/00	113.63	INACCESSIBLE	--	--	--	--	--	--	--
09/18/00[3]	113.63	100.41	13.22	2,400[4]	14	6.8	4.7	7.4	28
03/21/01[3]	113.63	98.88	14.75	7,600[4]	41	30	<25	50	160
09/04/01	113.63	INACCESSIBLE - CAR PARKED OVER WELL			--	--	--	--	--
03/22/02[3]	**113.63**	**99.46**	**14.17**	**7,600**	**<10**	**4.2**	**11**	**<25**	**<5.0**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-4									
09/20/93	118.10	107.17	10.93	5,800	16	4.2	35	48	--
12/14/93	118.10	108.33	9.77	7,100	19	6.5	24	35	--
03/16/94	118.10	107.99	10.11	8,500	83	43	60	70	--
06/17/94	118.10	107.20	10.90	21,000	150	20	140	350	--
08/29/94	118.10	107.28	10.82	10,000	86	71	44	85	--
12/06/94	118.10	108.70	9.40	13,000	68	56	67	110	--
03/31/95	118.10	109.31	8.79	6,700	100	9.4	26	23	--
06/24/95	118.10	107.60	10.50	6,300	<20	<20	<20	24	--
09/12/95	118.10	107.90	10.20	7,100	65	16	<10	21	--
12/29/95	118.10	108.86	9.24	3,300	<10	<10	12	14	720
02/29/96	118.10	111.85	6.25	5,100	<10	37	23	21	85
06/26/96	118.10	107.92	10.18	6,800	<20	<20	<20	<20	<100
09/12/96	118.10	107.53	10.57	13,000	150	<10	38	35	240
12/11/96	118.10	109.39	8.71	26,000	<20	<20	<20	170	<100
03/31/97	118.10	107.18	10.92	12,000	120	74	45	70	240
06/29/97	118.10	106.43	11.67	8,800	24	<10	35	36	62
09/30/97	118.10	107.20	10.90	10,000	<10	<10	37	35	72
12/12/97	118.10	105.16	12.94	4,600	95	41	20	25	91
02/19/98	118.10	110.33	7.77	5,400	87	16	32	31	110
06/16/98[2]	118.08	107.82	10.26	10,000	<20	<20	35	37	150
NOT MONITORED/SAMPLED									
MW-5									
09/20/93	116.74	101.43	15.31	590	25	1.8	0.6	2.0	--
12/14/93	116.74	102.19	14.55	210	11	6.3	2.3	6.1	--
03/16/94	116.74	101.77	14.97	270	12	16	4.8	17	--
06/17/94	116.74	101.36	15.38	220	24	17	6.7	28	--
08/29/94	116.74	101.54	15.20	1,000	<0.5	<0.5	<0.5	<0.5	--
12/06/94	116.74	102.09	14.65	110	9.2	9.7	2.2	11	--
03/31/95	116.74	103.04	13.70	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-5 (cont)									
06/24/95	116.74	101.95	14.79	<50	<0.5	<0.5	<0.5	<0.5	--
09/12/95	116.74	102.15	14.59	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/95	116.74	101.76	14.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/96	116.74	103.07	13.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/26/96	116.74	102.50	14.24	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/96	116.74	102.12	14.62	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	116.74	102.93	13.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	116.74	101.29	15.45	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/29/97	116.74	102.07	14.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/97	116.74	101.89	14.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	116.74	102.99	13.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	116.74	103.68	13.06	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	116.70	102.35	14.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	116.70	101.54	15.16	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/23/98	116.70	102.15	14.55	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/99	116.70	102.63	14.07	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/99	116.70	100.80	15.90	SAMPLED ANNUALLY		--	--	--	--
02/29/00	116.70	103.40	13.30	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/18/00	116.70	101.62	15.08	--	--	--	--	--	--
03/21/01	116.70	102.04	14.66	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/04/01	116.70	101.26	15.44	--	--	--	--	--	--/<2[5]
03/22/02[6]	**116.70**	**101.99**	**14.71**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**
TRIP BLANK									
12/06/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/18/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/06/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/04/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/02/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/16/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK (cont)									
12/21/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/11/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
06/11/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/13/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
12/14/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/16/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/17/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/29/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/24/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/12/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/29/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/11/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/29/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/97	--	--	--	<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
06/16/98	--	--	--	<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
12/23/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.9
03/09/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/30/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/29/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/18/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
03/21/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/04/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA									
03/22/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to February 9, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

(D) = Duplicate

QA = Quality Assurance

1 ORC installed.

2 Transfer of title to Tri-Star Partnership, Inc. effective July 14, 1998.

3 ORC in well.

4 Laboratory report indicates gasoline C6-C12.

5 MTBE by EPA Method 8260.

6 Split samples taken by Harding ESE.

Table 2

Dissolved Oxygen Concentrations

Former Chevron Service Station #9-3864

5101 Telegraph Avenue

Oakland, California

WELL ID	DATE	Before Purging *(mg/L)*	After Purging *(mg/L)*
C-3[1]	09/18/00	3.64	--
	03/21/01	1.00	--
	09/04/01	1.40	--
	03/22/02	**1.10**	**--**
MW-3[1]	09/18/00	4.01	--
	03/21/01	1.30	--
	09/04/01	INACCESSIBLE - CAR PARKED OVER WELL	
	03/22/02	**1.30**	**--**

EXPLANATIONS:

(mg/L) = Milligrams per liter

-- = Not Measured

[1] ORC in well.

Table 3

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-3864
5101 Telegraph Avenue
Oakland, California

WELL ID	DATE	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
C-3	09/04/01	<100	<2	<2	<2	<2	<2	<2
MW-1	09/04/01	<100	<2	<2	<2	<2	<2	<2
MW-2	09/04/01	<100	<2	<2	<2	<2	<2	<2
MW-5	09/04/01	<100	<2	<2	<2	<2	<2	<2

EXPLANATIONS:

TBA = Tertiary butyl alcohol
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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 polyvinyl chloride 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 Chevron-designated 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.

WELL MONITORING/SAMPLING FIELD DATA SHEET

CHEVRON Facility # 9-3864 Job#: 386358

Address: 5101 Telegraph Ave. Date: 3/22/02

City: Oakland, CA Sampler: TL

Well ID C-3 Well Condition: O.K

Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 28.76 ft.

Depth to Water 13.4 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

15.55 X VF .17 = 2.6 X 3 (case volume) = Estimated Purge Volume: 8.0 (gal.)

Purge Equipment: ~~Disposable Bailer~~ (circled), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: ~~Disposable Bailer~~ (circled), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 0927 Weather Conditions: Sprinkle / RAIN

Sampling Time: 0946 Water Color: cloudy Odor: yes

Purging Flow Rate: — gpm. Sediment Description:

Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
0931	2.5	7.26	1164	66.9	1.1		
0935	5.0	7.18	1182	66.1			
0939	8.0	7.12	1179	66.2			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-3	3 X VOA VIAL	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: ORC IN well / took total well Depth

9/97-fieldat.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET.

CHEVRON
Facility # 9-3864 Job#: 386358
Address: 5101 Telegraph Ave. Date: 3/22/02
City: Oakland, CA Sampler: TL

Well ID MW-1 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 21.95 ft.
Depth to Water 10.34 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

11.61 X VF .17 = 1.9 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other:
Sampling Equipment: ~~Disposable Bailer~~ Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1101 Weather Conditions: RAIN
Sampling Time: 1118 Water Color: cloudy/blkish Odor: yes
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1104	2.0	7.16	1162	66.9			
1108	4.0	7.22	1118	65.2			
1112	6.0	7.24	1121	65.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 X VOA VIAL	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took TOTAL well DEPTH.

S/S7-fieldst.frm

WELL MONITORING/SAMPLING FIELD DATA SHEET.

CHEVRON
Facility # 9-3864 Job#: 386358
Address: 5101 Telegraph Ave. Date: 3/22/02
City: Oakland, CA Sampler: TC

Well ID MW-2 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 22.34 ft.
Depth to Water 9.89 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

12.45 X VF .17 = 2.0 X 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other:

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other:

Starting Time: 1140 Weather Conditions: RAIN.
Sampling Time: 1156 Water Color: LGT. BROWN Odor: NO
Purging Flow Rate: ~~gpm.~~ Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1145	2.0	7.26	1326	67.1			
1147	4.0	7.18	1202	66.4			
1150	6.0	7.03	1218	66.1			

LABORATORY INFORMATION

SAMPLE ID	(#) : CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 X VOA VIAL	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took total well Depth.

WELL MONITORING/SAMPLING FIELD DATA SHEET.

CHEVRON
Facility # 9-3864 Job#: 386358
Address: 5101 Telegraph Ave. Date: 3/22/02
City: Oakland, CA Sampler: TL

Well ID MW-3 Well Condition: ok
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 26.51 ft.
Depth to Water 14.17 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

12.34 X VF .17 = 2.0 X 3 (case volume) = Estimated Purge Volume: 6.0 (gal.)

Purge Equipment: ~~Disposable Bailer~~ Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: ~~Disposable Bailer~~ Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1218 Weather Conditions: RAIN
Sampling Time: 1228 Water Color: Cloudy Odor: yes
Purging Flow Rate: ~~—~~ gpm. Sediment Description:
Did well de-water? no. If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1220	2.0	7.21	1326	66.9	1.3		
1223	4.0	7.02	1348	67.3			
1225	6.0	6.96	1340	67.0			

pH/C

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3 X VOA VIAL	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: ORG IN WELL / TOOK TOTAL WELL DEPTH.

WELL MONITORING/SAMPLING FIELD DATA SHEET.

CHEVRON
Facility # 9-3864 Job#: 386358
Address: 5101 Telegraph Ave. Date: 3/22/02
City: Oakland, CA Sampler: TL

Well ID MW-5 Well Condition: Ok
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 21.57 ft.
Depth to Water 14.71 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66	6" = 1.50	12" = 5.80

6.80 X VF .17 = 1.1 X 3 (case volume) = Estimated Purge Volume: 3½ (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:
Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1017 Weather Conditions: Rain
Sampling Time: 1035 Water Color: Brown Odor: No
Purging Flow Rate: — gpm. Sediment Description: Silty
Did well de-water? No If yes: Time: — Volume: — (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1021	1.0	7.06	12602	67.1			
1025	2.0	6.98	1286	66.1			
1027	3.5	7.04	1292	65.6			

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 X VOA VIAL	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took total well Depth / well Has Slow Recovery

9/97-fieldat.frm

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10906 — For Lancaster Laboratories use only — Sample #: 194440 - 4445 — SCR#:

250302-005

Facility #: 9-3864 Job #386358 Global ID #T0600100343
Site Address: 5101 TELEGRAPH AVE., OAKLAND, CA
Chevron PM: Tom Bauhs 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: Tony CAMARDA
Service Order #: ☐ Non SAR:

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 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	Matrix: Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + MTBE 8260 ☐ 8021 (H)	TPH 8015 MOD GRO (H)	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐
QA	3/22/02	—				X		2	X	X				
C-3	↓	0946	X			X		3	X	X				
MW-1		1118	X			X		3	X	X				
MW-2		1156	X			X		3	X	X				
MW-3		1228	X			X		3	X	X				
MW-5	↓	1035	X			X		3	X	X				

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT (circled) 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

	Date	Time		Date	Time
Relinquished by: Tony C. Camarda	3/22/02	1334	Received by: Denise Vance	3/25/02	1300
Relinquished by: Denise Vance	3/25/02	1300	Received by: Andrea Amaya	3-25-02	1300
Relinquished by: Andrea Amaya	3-25-02	1500	Received by: Airborne	3-25-02	
Relinquished by Commercial Carrier: UPS FedEx (circled) Other ____			Received by: Jess Zook	3/26/02	0930
Temperature Upon Receipt 1.0 C°			Custody Seals Intact? Yes (circled) No		

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ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 801612. Samples arrived at the laboratory on Tuesday, March 26, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
QA-T-020322	NA	Water	3794440
C-3-W-020322	Grab	Water	3794441
MW-1-W-020322	Grab	Water	3794442
MW-2-W-020322	Grab	Water	3794443
MW-3-W-020322	Grab	Water	3794444
MW-5-W-020322	Grab	Water	3794445

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Steven A. Skiles
Steven A. Skiles
Sr. Chemist

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3794440

Collected:03/22/2002 00:00

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
QA-T-020322 NA Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 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	03/27/2002 18:15	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/27/2002 18:15	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/27/2002 18:15	John B Kiser	n.a.

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

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3794441

Collected:03/22/2002 09:46 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
C-3-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 C-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.	3,600.	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.					
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D. #	5.0	ug/l	5
00777	Toluene	108-88-3	N.D. #	5.0	ug/l	5
00778	Ethylbenzene	100-41-4	6.1	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	N.D. #	15.	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	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.					
	Due to the nature of the sample matrix, normal reporting limits were not attained.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3794441

Collected:03/22/2002 09:46 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
C-3-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 C-3

01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/28/2002 09:08	Anastasia Papadoplos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/28/2002 14:18	Melissa D Mann	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/28/2002 09:08	Anastasia Papadoplos	n.a.

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3794442

Collected:03/22/2002 11:18 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
MW-1-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 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.	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	24.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	0.80	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	4.9	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	15.	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	03/27/2002 18:49	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/27/2002 18:49	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/27/2002 18:49	John B Kiser	n.a.

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

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Lancaster, PA 17605-2425
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Lancaster Laboratories Sample No. WW 3794443

Collected:03/22/2002 11:56 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
MW-2-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 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.	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	03/27/2002 19:24	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/27/2002 19:24	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/27/2002 19:24	John B Kiser	n.a.

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

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Lancaster Laboratories Sample No. WW 3794444

Collected:03/22/2002 12:28 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
MW-3-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 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.	7,600.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D. #	10.	ug/l	5
00777	Toluene	108-88-3	4.2	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	11.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	N.D. #	25.	ug/l	5
00780	Methyl tert-Butyl Ether	1634-04-4	N.D. #	5.0	ug/l	5
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	Due to the nature of the sample matrix, normal reporting limits were not attained.					
	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	03/28/2002 10:52	Melissa D Mann	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/28/2002 10:52	Melissa D Mann	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/28/2002 10:52	Melissa D Mann	n.a.

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

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3794444

Collected:03/22/2002 12:28 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
MW-3-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 MW-3

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

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3794445

Collected:03/22/2002 10:35 by TC

Account Number: 10905

Submitted: 03/26/2002 09:30
Reported: 04/03/2002 at 08:29
Discard: 05/04/2002
MW-5-W-020322 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 93864 Job# 386358 GRD
5101 TELEGRAPH-OAKLAND,CA T0600100343 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	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	03/27/2002 19:58	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/27/2002 19:58	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/27/2002 19:58	John B Kiser	n.a.

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

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
Reported: 04/03/02 at 08:29 AM

Group Number: 801612

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02086A53A	Sample number(s): 3794440,3794442-3794443,3794445							
Benzene	N.D.	0.5	ug/l	105	102	80-118	3	30
Toluene	N.D.	0.5	ug/l	104	101	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	105	100	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	103	98	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	107	104	79-127	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	89	85	76-126	4	30
Batch number: 02086A53B	Sample number(s): 3794441,3794444							
Benzene	N.D.	0.5	ug/l	105	102	80-118	3	30
Toluene	N.D.	0.5	ug/l	104	101	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	105	100	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	103	98	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	107	104	79-127	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	89	85	76-126	4	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02086A53A	Sample number(s): 3794440,3794442-3794443,3794445								
Benzene	105		77-131						
Toluene	105		80-128						
Ethylbenzene	105		76-132						
Total Xylenes	102		76-132						
Methyl tert-Butyl Ether	100		61-144						
TPH-GRO - Waters	101		74-132						
Batch number: 02086A53B	Sample number(s): 3794441,3794444								
Benzene	105		77-131						
Toluene	105		80-128						
Ethylbenzene	105		76-132						
Total Xylenes	102		76-132						
Methyl tert-Butyl Ether	100		61-144						
TPH-GRO - Waters	101		74-132						

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02086A53A

	Trifluorotoluene-F	Trifluorotoluene-P
3794440	97	100
3794442	101	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.

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Quality Control Summary

Client Name: Chevron Products Company Group Number: 801612
Reported: 04/03/02 at 08:29 AM

Surrogate Quality Control

3794443	97	104
3794445	92	91
Blank	93	102
LCS	103	102
LCSD	101	103
MS	102	103
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02086A53B

	Trifluorotoluene-F	Trifluorotoluene-P
3794441	157*	94
3794444	126	96
Blank	97	101
LCS	103	102
LCSD	101	103
MS	102	103
Limits:	67-135	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.

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