GETTLER-RYAN INC.

TRANSMITTAL

Alameda County
JAN 13 2003
Environmental Health

December 23, 2002
G-R #386502

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: Chevron Service Station
#9-6607
2340 Otis Drive
Alameda, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	December 19, 2002	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of November 14, 2002

COMMENTS:

This report is being sent for you review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***January 8, 2003***, at which time the final report will be distributed to the following:

cc: Ms Eva Chu, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Wayne Weber, Chevron Station #9-6607, 2340 Otis Dr., Alameda, CA 94501
Harsh Investment Corp., 523 West Plaza, South Shore Center, Alameda, CA 94501
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

trans/9-6607-ks

GETTLER-RYAN INC.

December 19, 2002
G-R Job #386502

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

RE: Fourth Quarter Event of November 14, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, 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.

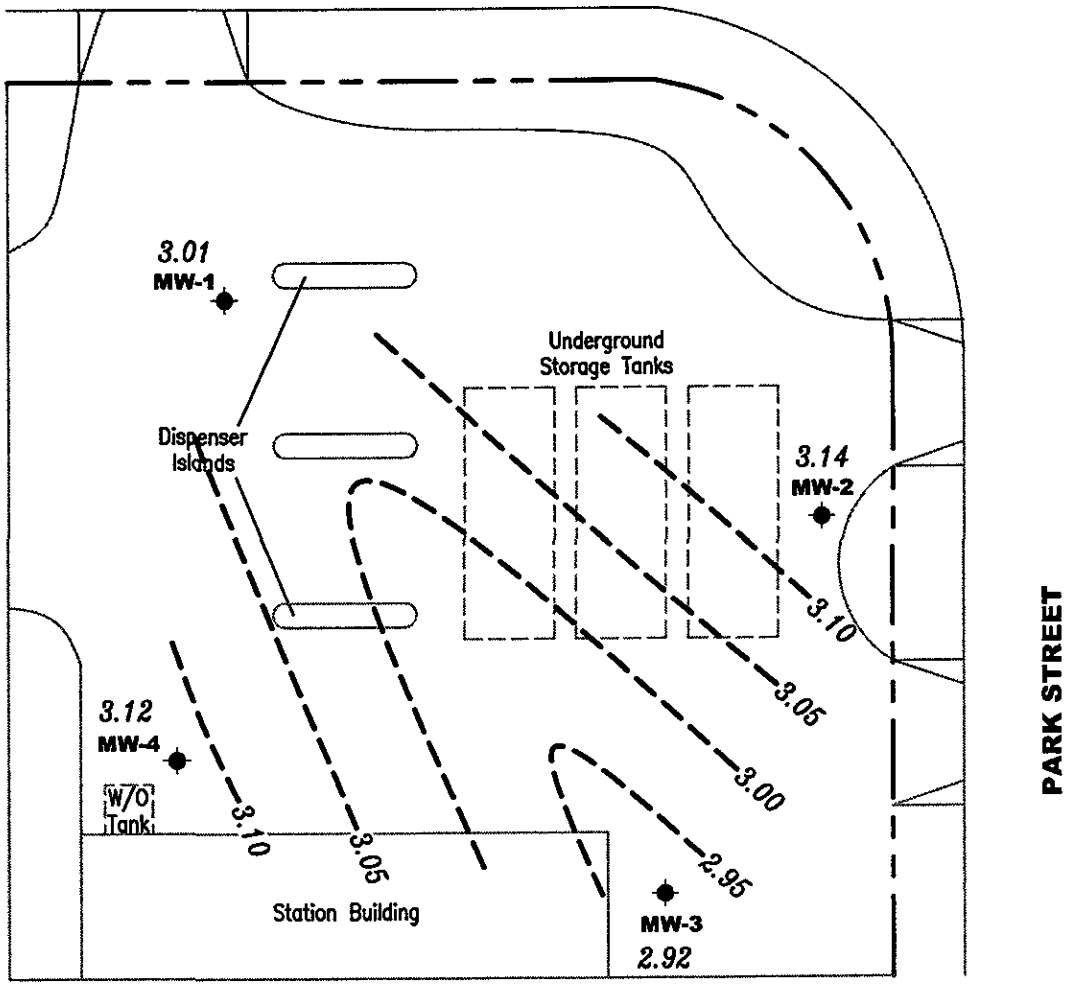
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

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



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred

Groundwater flow direction varies at a gradient of 0.001 to 0.004 Ft./Ft.

N

0 30

Scale in Feet

Source: Figure modified from drawing provided by Gettler – Ryan Inc.

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

POTENTIOMETRIC MAP
Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386502		November 14, 2002	

FILE NAME: P:\ENVIRO\CHEVRON\9-6607\Q02-9-6607.DWG | Layout Tab: Pot4

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1											
7.12	08/21/91	6.10	1.02	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/09/92	3.96	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	3.90	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/25/92	4.18	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	11/24/92	4.72	2.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/21/93	3.18	3.94	--	<50	<0.5	0.7	<0.5	1.0	--	--
	04/13/93	3.70	3.42	--	<50	<0.5	<0.5	<0.5	1.0	--	--
	07/14/93	4.21	2.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	4.28	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/11/94	4.16	2.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	03/31/94	3.88	3.24	--	<50	<0.5	0.6	<0.5	0.7	--	--
	07/14/94	3.00	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/12/94[1]	4.25	2.87	--	80	<0.5	<0.5	<0.5	<0.5	121	--
	01/11/95	3.12	4.00	--	<50	<0.5	<0.5	<0.5	<0.5	130	--
	04/05/95[3]	3.46	3.66	--	<50	<0.5	<0.5	<0.5	<0.5	170	--
	07/13/95	3.99	3.13	--	<125	<1.2	<1.2	<1.2	<1.2	400	--
	10/05/95	4.38	2.74	--	<50	<0.5	2.3	0.66	4.0	300	--
	10/03/96	4.44	2.68	--	<50	0.63	<0.5	<0.5	<0.5	560	--
	01/22/97	3.39	3.73	--	<200	<2.0	<2.0	<2.0	<2.0	530/880[5]	--
6.92	04/09/97[6]	3.70	3.22	--	<125	<1.2	<1.2	<1.2	<1.2	610	--
	07/09/97	3.87	3.05	--	240	47	<2.0	<2.0	<2.0	990	--
	10/16/97	3.97	2.95	--	250	<2.0	<2.0	<2.0	<2.0	1,000	--
	01/08/98	3.45	3.47	--	<200	<2.0	<2.0	<2.0	<2.0	--[8]	--
	04/24/98	3.61	3.31	--	170	20	<0.5	<0.5	<0.5	1,700	--
	07/15/98	3.85	3.07	--	160	58	1.1	<0.5	0.59	1,500/1,600[5]	--
	10/27/98	4.12	2.80	--	140	<0.5	<0.5	<0.5	<0.5	1,200	--
	01/20/99	4.48	2.44	--	<250	<2.5	<2.5	<2.5	<2.5	1,330	--
	04/19/99	2.71	4.21	--	150	73	<0.5	<0.5	<0.5	620	--
	07/29/99	3.97	2.95	--	142	<0.5	0.82	<0.5	2.08	824	--
	10/25/99	4.06	2.86	--	<200	<2.0	<2.0	<2.0	<2.0	972	--
	01/24/00	2.89	4.03	--	143	<0.5	<0.5	<0.5	<0.5	1,170	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1	04/03/00	3.60	3.32	--	130[9]	22	<0.50	<0.50	<0.50	550	--
(cont)	07/03/00	4.06	2.86	--	180[9]	12	<1.0	<1.0	<1.0	850	--
	10/02/00[11]	4.03	2.89	--	120[10]	<0.50	<0.50	<0.50	<0.50	520	--
	01/09/01	4.07	2.85	--	<250	<2.5	<2.5	<2.5	<2.5	510	--
	04/09/01	3.57	3.35	--	120	<0.500	<2.00	<0.500	<2.00	683	--
	08/23/01	3.90	3.02	--	<50	<0.50	<0.50	<0.50	<0.50	350	--
	11/27/01	3.90	3.02	--	270	<0.50	<0.50	<0.50	<1.5	280	--
	02/26/02	3.51	3.41	--	820	<0.50	<0.50	<0.50	<1.5	1,600	--
	05/22/02	3.78	3.14	--	350	<0.50	<0.50	<0.50	<1.5	1,100/1,000[12]	--
	08/15/02	4.01	2.91	--	460	<0.50	<0.50	<0.50	<1.5	820/850[12]	--
	11/14/02	**3.91**	**3.01**	**--**	**100**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**310/290[12]**	**--**
MW-2											
7.43	08/21/91	6.40	1.03	--	430	170	0.9	1.0	3.6	--	--
	01/09/92	4.23	3.20	--	58	16	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	4.17	3.26	--	180	9.6	<0.5	0.8	<0.5	--	--
	07/25/92	4.47	2.96	--	220	8.0	0.7	4.0	8.6	--	--
	11/24/92	5.82	1.61	--	72	3.2	<0.5	0.5	0.6	--	--
	01/21/93	3.35	4.08	--	<50	0.8	<0.5	<0.5	<0.5	--	--
	04/13/93	4.02	3.41	--	78	<0.5	<0.5	<0.5	0.6	--	--
	07/14/93	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	4.56	2.87	--	<50	<0.5	0.9	<0.5	0.6	--	--
	01/11/94	4.39	3.04	--	<50	<0.5	1.0	<0.5	<0.5	--	--
	03/31/94	4.18	3.25	--	<50	0.5	<0.5	<0.5	0.8	--	--
	07/14/94	4.90	2.53	--	<50	<0.5	<0.5	<0.5	0.6	--	--
	10/12/94[2]	4.54	2.89	--	<50	<0.5	<0.5	<0.5	<0.5	2,900	--
	~~01/11/95~~	~~3.26~~	~~4.17~~	~~--~~	~~<50~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~2,500~~	~~--~~
	04/05/95[3]	3.65	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
	07/13/95	4.31	3.12	--	<250	<2.5	<2.5	<2.5	<2.5	1,100	--
	10/05/95	4.68	2.75	--	<50	<0.5	1.9	0.54	3.4	280	--
	10/03/96	4.80	2.63	--	<500	<5.0	<5.0	<5.0	<5.0	1,000	--
	01/22/97	3.36	4.07	--	540[7]	<5.0	<5.0	<5.0	<5.0	1,300/1,600[5]	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2	04/09/97	4.25	3.18	--	<500	<5.0	<5.0	<5.0	<5.0	970	--
(cont)	07/09/97	4.48	2.95	--	<125	<1.2	<1.2	<1.2	<1.2	710	--
	10/16/97	4.44	2.99	--	<100	<1.0	<1.0	<1.0	<1.0	1,000	--
	01/08/98	3.79	3.64	--	68	<0.5	<0.5	<0.5	<0.5	--[8]	--
	04/24/98	3.95	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	490	--
	07/15/98	4.30	3.13	--	51	1.2	1.2	<0.5	<0.5	480	--
	10/27/98	4.45	2.98	--	<50	<0.5	<0.5	<0.5	<0.5	180	--
	01/20/99	4.21	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	388	--
	04/19/99	4.38	3.05	--	620	13	35	11	78	510	--
	07/29/99	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	229	--
	10/25/99	4.55	2.88	--	<50	<0.5	<0.5	<0.5	<0.5	314	--
	01/24/00	2.82	4.61	--	<50	<0.5	<0.5	<0.5	<0.5	236	--
	04/03/00	4.05	3.38	--	<50	<0.50	<0.50	<0.50	<0.50	420	--
	07/03/00	4.52	2.91	--	140[9]	<0.50	<0.50	<0.50	0.88	1,300	--
	10/02/00	4.55	2.88	--	<1,000	<10	<10	<10	<10	1,300	--
	01/09/01	4.45	2.98	--	<1,000	<10	<10	<10	<10	1,100	--
	04/09/01	3.96	3.47	--	214	<0.500	<2.00	0.512	<2.00	1,770	--
	08/23/01	4.38	3.05	--	130	24	<0.50	<0.50	<0.50	440	--
	11/27/01	4.25	3.18	--	650	<0.50	<0.50	<0.50	<1.5	770	--
	02/26/02	3.98	3.45	--	160	<0.50	<0.50	<0.50	<1.5	470	--
	05/22/02	4.23	3.20	--	86	<0.50	<0.50	<0.50	<1.5	320/300[12]	--
	08/15/02	4.52	2.91	--	66	<0.50	<0.50	<0.50	<1.5	260/290[12]	--
	11/14/02	**4.29**	**3.14**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**120/120[12]**	
MW-3											
8.07	08/21/91	7.10	0.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	~~01/09/92~~	~~5.03~~	~~3.04~~	~~--~~	~~<50~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~<0.5~~	~~--~~	~~<5,000~~
	04/20/92	4.91	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	07/25/92	5.34	2.73	--	<50	1.0	1.0	1.0	3.4	--	--
	11/24/92	5.00	3.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	01/21/93	4.34	3.73	--	<50	<0.5	0.5	<0.5	1.0	--	--
	04/13/93	4.84	3.23	--	<50	<0.5	<0.5	<0.5	0.6	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)		DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3		07/14/93	5.29	2.78	--	<50	<0.5	<0.5	<0.5	2.0	--	--
(cont)		10/26/93	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		01/11/94	5.22	2.85	--	<50	<0.5	1.0	<0.5	<0.5	--	--
		03/31/94	4.99	3.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		07/14/94	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/12/94	5.02	3.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		01/11/95	4.35	3.72	--	<50	<0.5	<0.5	<0.5	0.7	<5.0	--
		04/05/95[3]	2.64	5.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
		07/13/95	5.13	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/05/95	5.46	2.61	--	<50	<0.5	1.2	<0.5	<0.5	--	--
		10/03/96	5.53	2.54	--	<50	0.98	1.2	0.53	2.5	<2.5	--
		01/22/97	4.62	3.45	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
8.00		04/09/97[6]	5.05	2.95	SAMPLED ANNUALLY		--	--	--	--	--	--
		07/09/97	5.14	2.86	--	--	--	--	--	--	--	--
		10/16/97	5.20	2.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
		01/08/98	4.75	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	9.3	--
		04/24/98	4.73	3.27	--	--	--	--	--	--	--	--
		07/15/98	5.07	2.93	--	--	--	--	--	--	--	--
		10/27/98	5.24	2.76	--	--	--	--	--	--	--	--
		01/20/99	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	42.2	--
		04/19/99	4.26	3.74	--	--	--	--	--	--	--	--
		07/29/99	5.18	2.82	--	--	--	--	--	--	--	--
		10/25/99	5.27	2.73	--	--	--	--	--	--	--	--
		01/24/00	4.22	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	71.1	--
		04/03/00	4.90	3.10	--	--	--	--	--	--	--	--
	NP	07/03/00	5.25	2.75	--	--	--	--	--	--	--	--
		10/02/00	5.29	2.71	--	--	--	--	--	--	--	--
		01/09/01	5.27	2.73	--	<50	<0.50	<0.50	<0.50	<0.50	120	--
		04/09/01	4.81	3.19	--	--	--	--	--	--	--	--
		08/23/01	5.24	2.76	--	--	--	--	--	--	--	--
		11/27/01	5.14	2.86	SAMPLED ANNUALLY		--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3	02/26/02	4.78	3.22	--	<50	<0.50	<0.50	<0.50	<1.5	190	--
(cont)	05/22/02	5.03	2.97	SAMPLED ANNUALLY		--	--	--	--	--	--
	08/15/02	5.27	2.73	SAMPLED ANNUALLY		--	--	--	--	--	--
	11/14/02	**5.08**	**2.92**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5/<2[12]**	**--**
MW-4	08/21/91	6.85	1.00	--	<50	0.6	<0.5	<0.5	<0.5	--	<5,000
7.85	01/09/92	4.70	3.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
	04/20/92	4.64	3.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5,000
	07/25/92	4.95	2.90	78	<50	0.5	1.1	<0.5	0.8	--	--
	11/24/92	5.42	2.43	--	<50	<0.5	<0.5	<0.5	1.0	--	<5,000
	01/21/93	4.07	3.78	<10	<50	<0.5	0.5	<0.5	0.7	--	--
	04/13/93	4.45	3.40	<10	<50	<0.5	<0.5	<0.5	1.0	--	--
	07/14/93	4.90	2.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/26/93	4.95	2.90	--	<50	2.0	3.0	2.0	3.0	--	--
	01/11/94	4.77	3.08	--	<50	<0.5	0.5	<0.5	<0.5	--	--
	03/31/94	4.65	3.20	--	<50	<0.5	<0.5	<0.5	1.0	--	--
	07/14/94	5.05	2.80	--	<50	0.9	1.2	<0.5	2.0	--	--
	10/12/94	4.88	2.97	--	<50	<0.5	0.9	<0.5	0.7	--	--
	01/11/95	4.00	3.85	--	<50	<0.5	0.8	0.7	1.5	<5.0	--
	04/05/95[4]	4.22	3.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<5,000
	07/13/95	4.71	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/05/95	5.02	2.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
	10/03/96	5.08	2.77	--	100	5.5	5.6	2.5	12	<2.5	--
	01/22/97	4.28	3.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/09/97	4.60	3.25	SAMPLED ANNUALLY		--	--	--	--	--	--
	07/09/97	4.79	3.06	--	--	--	--	--	--	--	--
	10/16/97	4.81	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	--
	01/08/98	4.37	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/24/98	4.34	3.51	--	--	--	--	--	--	--	--
	07/15/98	4.46	3.39	--	--	--	--	--	--	--	--
	10/27/98	4.52	3.33	--	--	--	--	--	--	--	--
	01/20/99	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)		DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4		04/19/99	4.07	3.78	--	--	--	--	--	--	--	--
(cont)		04/19/99	4.87	2.98	--	--	--	--	--	--	--	--
		10/25/99	4.90	2.95	--	--	--	--	--	--	--	--
		01/24/00	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
		04/03/00	4.38	3.47	--	--	--	--	--	--	--	--
	NP	07/03/00	4.88	2.97	--	--	--	--	--	--	--	--
		10/02/00	4.89	2.96	--	--	--	--	--	--	--	--
		01/09/01	4.93	2.92	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
		04/09/01	4.48	3.37	--	--	--	--	--	--	--	--
		08/23/01	4.85	3.00	--	--	--	--	--	--	--	--
		11/27/01	4.80	3.05	SAMPLED ANNUALLY		--	--	--	--	--	--
		02/26/02	4.40	3.45	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
		05/22/02	4.64	3.21	SAMPLED ANNUALLY		--	--	--	--	--	--
		08/15/02	4.91	2.94	SAMPLED ANNUALLY		--	--	--	--	--	--
		11/14/02	**4.73**	**3.12**	**SAMPLED ANNUALLY**		--	--	--	--	--	--
TRIP BLANK		01/21/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
TB-LB		04/13/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		07/14/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/26/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		01/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		03/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		07/14/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/12/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		01/11/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		04/05/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		07/13/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/05/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
		01/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
		04/09/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
		07/09/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TB-LB	10/16/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
(cont)	01/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/24/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	07/15/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	10/27/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	01/20/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
	04/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	07/29/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	10/25/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
	01/24/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
	04/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--
	07/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
	10/02/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
	01/09/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
	04/09/01	--	--	--	<50.0	<0.500	<2.00	<0.500	<2.00	<0.500	--
	08/23/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA	11/27/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
	02/26/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
	05/22/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
	08/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
	11/14/02	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-6607

2340 Otis Drive

Alameda, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to April 3, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

TPH-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

TOG = Total Oil and Grease

(ppb) = Parts per billion

NP = No Purge

-- = Not Measured/Not Analyzed

QA = Qulaity Assurance/Trip Blank

* TOC elevations are relative to msl.

1 Laboratory report indicates Volatile Organic Compounds (VOCs) were <5.0-<50 ppb.

2 Laboratory report indicates VOCs were <50-<500 ppb.

3 Laboratory report indicates Polynuclear Aromatics (PNAs) were <5.0 ppb.

4 Laboratory report indicates VOCs were <5.0 ppb.

5 Confirmation of MTBE.

6 Wellhead elevation altered due to maintenance.

7 Chromatogram pattern indicates an unidentified hydrocarbon.

8 No value for MTBE could be determined; see laboratory report.

9 Laboratory report indicates gasoline C6-C12.

10 Laboratory report indicates unidentified hydrocarbons C6-C12.

11 Laboratory report indicates this sample was analyzed outside the EPA recommended holding time.

12 MTBE by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-6607
2340 Otis Drive
Alameda, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/22/02	<500	<100	1,000	<2	<2	410	<2	<2
	08/15/02	<500	<100	850	<2	<2	290	<2	<2
	11/14/02	**<500**	**<100**	**290**	**<2**	**<2**	**83**	**<2**	**<2**
MW-2	05/22/02	<500	130	300	<2	<2	28	<2	<2
	08/15/02	<500	<100	290	<2	<2	23	<2	<2
	11/14/02	**<500**	**<100**	**120**	**<2**	**<2**	**7**	**<2**	**<2**
MW-3	**11/14/02**	**<500**	**<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, 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 #9-6607 Job Number: 386502
Site Address: 2340 Otis Drive Event Date: 11-14-02 (inclusive)
City: Alameda, CA Sampler: G. R

Well ID MW-1 Date Monitored: 11-14-02 Well Condition: ok
Well Diameter 4 in.
Total Depth 27.61 ft.
Depth to Water 3.91 ft.
18.70 xVF 0.66 = 12.34 x3 (case volume) = Estimated Purge Volume: 37 gal.

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

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

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

Time Started: (2400 hrs)
Time Bailed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 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): 1300 Weather Conditions: Clear
Sample Time/Date: 1345 / 11-14-02 Water Color: Clear Odor: No
Purging Flow Rate: ≈1.5 gpm. Sediment Description:
Did well de-water? No If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1310	12	7.59	821	31.0		
1320	24	7.52	809	31.4		
1330	37	7.47	804	31.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 8 OXYS(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607 Job Number: 386502
Site Address: 2340 Otis Drive Event Date: 11-14-09 (inclusive)
City: Alameda, CA Sampler: G.R.

Well ID MW-2 Date Monitored: 11-14-09 Well Condition: OK
Well Diameter 4 in.
Total Depth 23.23 ft.
Depth to Water 4.29 ft.

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

18.94 xVF 0.66 = 12.50 x3 (case volume) = Estimated Purge Volume: 37 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: 0 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): 1215 Weather Conditions: Clear
Sample Time/Date: 1255 / 11-14-09 Water Color: Clear Odor: No
Purging Flow Rate: 2.5 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)
1225	12	7.82	468	30.5		
1235	24	7.76	458	30.8		
1245	37	7.71	455	31.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 8 OXYS(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607 Job Number: 386502
Site Address: 2340 Otis Drive Event Date: 11-14-02 (inclusive)
City: Alameda, CA Sampler: G.R.

Well ID MW-3 Date Monitored: 11-14-02 Well Condition: ok
Well Diameter 4 in.
Total Depth 23.23 ft.
Depth to Water 5.08 ft.

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

18.15 xVF 0.66 = 11.98 x3 (case volume) = Estimated Purge Volume: 36 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): 1110 Weather Conditions: Clear
Sample Time/Date: 1205 / 11-14-02 Water Color: Clear Odor: NO
Purging Flow Rate: ≈1.5 gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1130	12	7.92	234	30.9		
1140	24	7.87	824	31.3		
1150	36	7.87	821	31.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 8 OXYS(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607 Job Number: 386502

Site Address: 2340 Otis Drive Event Date: 11/14/07 (inclusive)

City: Alameda, CA Sampler: G. R.

Well ID MW-4 Date Monitored: 11/14/07 Well Condition: OK

Well Diameter 4 in.

Total Depth 19.97 ft.

Depth to Water 4.73 ft.

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

____ xVF ____ = ____ x3 (case volume) = Estimated Purge Volume: ____ gal.

Purge Equipment:

Disposable Bailer

Stainless Steel Bailer

Stack Pump

Suction Pump

Grundfos

Other:

Sampling Equipment:

Disposable Bailer

Pressure Bailer

Discrete Bailer

Other:

Time Started: ____ (2400 hrs)

Time Bailed: ____ (2400 hrs)

Depth to Product: ____ ft

Depth to Water: ____ ft

Hydrocarbon Thickness: ____ ft

Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)

Amt Removed from Skimmer: ____ gal

Amt Removed from Well: ____ gal

Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____

Sample Time/Date: / Water Color: ____ Odor: ____

Purging Flow Rate: ____ gpm. Sediment Description: ____

Did well de-water? ____ If yes, Time: ____ Volume: ____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)/ 8 OXYS(8260)

COMMENTS: Mon for Only - this event

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Size: ____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 394460I-04 SCR#:

111802-005

Group# 831686

Facility #: 9-6607 Job 386502 Global ID#T0600100316
Site Address: 2340 OTIS DRIVE, ALAMEDA, CA
Chevron PM: KS Lead Consultant/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: G. Kean
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil ☐ Air ☐	Total Number of Containers	Analyses Requested: BTEX + MTBE 8260 ☐ 8021 ☒	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates 8260	Lead 7420 ☐ 7421 ☐
QA	11-14-02	—				X		2	X	X			X	
MW-1		1345	X			X		6	X	X			X	
MW-2		1255	X			X		6	X	X			X	
MW-3	↓	1205	X			X		6	X	X			X	

Preservation Codes: H H H

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

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT | 72 hour | 48 hour
24 hour | 4 day | 5 day

Data Package Options (please circle if required)
QC Summary Type I — Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time
Relinquished by:	11-18-02	
Relinquished by:	11/18/02	1430
Relinquished by:	11-19-02	1530
Relinquished by Commercial Carrier: UPS FedEx Other Airborne		
Temperature Upon Receipt 3.2 C°		

	Date	Time
Received by:	11/18/02	1259
Received by:	11-18-02	1430
Received by: Airborne	11-19-02	
Received by:	11/19/02	0915
Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Analysis Report

Lancaster Laboratories
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GENERAL

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 831686. Samples arrived at the laboratory on Thursday, November 21, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-021114	NA	Water	3944601
MW-1-W-021114	Grab	Water	3944602
MW-2-W-021114	Grab	Water	3944603
MW-3-W-021114	Grab	Water	3944604

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

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

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3944601

Collected:11/14/2002 00:00

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-021114 NA Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 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	11/22/2002 18:12	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/22/2002 18:12	K. Robert James	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/22/2002 18:12	K. Robert James	n.a.

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

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

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Lancaster Laboratories Sample No. WW 3944602

Collected:11/14/2002 13:45 by GR

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 MW-1

ODA-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	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	310.	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.					
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	290.	5.0	ug/l	10
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	83.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/22/2002 21:00	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/22/2002 21:00	K. Robert James	1

#=Laboratory Method Detection 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 3944602

Collected:11/14/2002 13:45 by GR

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 MW-1

ODA-1

01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/26/2002 04:21	Kenneth L Boley Jr	10
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/26/2002 10:57	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/22/2002 21:00	K. Robert James	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2002 04:21	Kenneth L Boley Jr	n.a.

#=Laboratory Method Detection 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 3944603

Collected:11/14/2002 12:55 by GR Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 MW-2

ODA-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	120.	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.					
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	120.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	7.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/23/2002 00:24	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/23/2002 00:24	K. Robert James	1

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Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3944603

Collected:11/14/2002 12:55 by GR

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 MW-2

ODA-2

01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/26/2002 03:55	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/23/2002 00:24	K. Robert James	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2002 03:55	Kenneth L Boley Jr	n.a.

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

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Lancaster Laboratories Sample No. WW 3944604

Collected:11/14/2002 12:05 by GR

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 NA

ODA-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.	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.					
01594	BTEX + Oxygenates by 8260B					
01587	Ethanol	64-17-5	N.D.	500.	ug/l	1
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	11/23/2002 00:57	K. Robert James	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	11/23/2002 00:57	K. Robert James	1

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

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Lancaster Laboratories Sample No. WW 3944604

Collected:11/14/2002 12:05 by GR

Account Number: 10905

Submitted: 11/21/2002 09:50
Reported: 12/03/2002 at 18:04
Discard: 01/03/2003

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-021114 Grab Water
Facility# 96607 Job# 386502 GRD
2340 Otis Dr-Alameda T0600100316 NA

ODA-3

01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	11/26/2002 02:36	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/23/2002 00:57	K. Robert James	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/26/2002 02:36	Kenneth L Boley Jr	n.a.

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

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Quality Control Summary

Client Name: ChevronTexaco
Reported: 12/03/02 at 06:05 PM

Group Number: 831686

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02326A16A	Sample number(s): 3944601-3944604							
Benzene	N.D.	.2	ug/l	101	103	80-118	3	30
Toluene	N.D.	.2	ug/l	94	98	82-119	4	30
Ethylbenzene	N.D.	.2	ug/l	93	97	81-119	4	30
Total Xylenes	N.D.	.6	ug/l	95	99	82-120	4	30
Methyl tert-Butyl Ether	N.D.	.3	ug/l	95	94	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	107	110	74-116	3	30
Batch number: N023301AA	Sample number(s): 3944602-3944604							
Ethanol	N.D.	50.	ug/l	132		43-159		
Methyl t-butyl ether	N.D.	.5	ug/l	104		77-127		
di-Isopropyl ether	N.D.	.8	ug/l	103		74-125		
Ethyl t-butyl ether	N.D.	.8	ug/l	94		74-120		
t-Amyl methyl ether	N.D.	.8	ug/l	94		71-114		
t-Butyl alcohol	N.D.	10.	ug/l	122		59-139		
1,2-Dichloroethane	N.D.	1.	ug/l	106		77-132		
1,2-Dibromoethane	N.D.	1.	ug/l	99		81-114		

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: 02326A16A	Sample number(s): 3944601-3944604								
Benzene	125		83-130						
Toluene	115		87-129						
Ethylbenzene	111		86-133						
Total Xylenes	113		86-132						
Methyl tert-Butyl Ether	112		66-140						
TPH-GRO - Waters	105		74-132						
Batch number: N023301AA	Sample number(s): 3944602-3944604								
Ethanol	122	120	34-163	1	30				
Methyl t-butyl ether	101	103	69-134	2	30				
di-Isopropyl ether	103	104	68-133	2	30				
Ethyl t-butyl ether	94	95	73-123	1	30				
t-Amyl methyl ether	93	93	69-118	0	30				
t-Butyl alcohol	122	121	51-148	0	30				
1,2-Dichloroethane	106	106	73-136	1	30				
1,2-Dibromoethane	99	99	78-120	0	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8021)
Batch number: 02326A16A

	Trifluorotoluene-F	Trifluorotoluene-P
3944601	109	122
3944602	112	122

*- 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.

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

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Quality Control Summary

Client Name: ChevronTexaco
Group Number: 831686
Reported: 12/03/02 at 06:05 PM

Surrogate Quality Control

3944603	109	120
3944604	116	121
Blank	108	121
LCS	111	121
LCSD	118	121
MS	124	121
Limits:	57-146	71-130

Analysis Name: BTEX + Oxygenates by 8260B
Batch number: N023301AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3944602	91	96	97	93
3944603	92	97	99	93
3944604	95	98	98	92
Blank	95	99	98	94
LCS	92	99	101	101
MS	92	99	103	104
MSD	92	100	101	104
Limits:	86-118	80-120	88-110	86-115

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

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