AUG 02 2002

RO-335

GETTLER-RYAN INC.

TRANSMITTAL

July 15, 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	July 3, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 22, 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 ***July 29, 2002***, 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.

July 3, 2002
G-R Job #386502

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

RE: Second Quarter Event of May 22, 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.

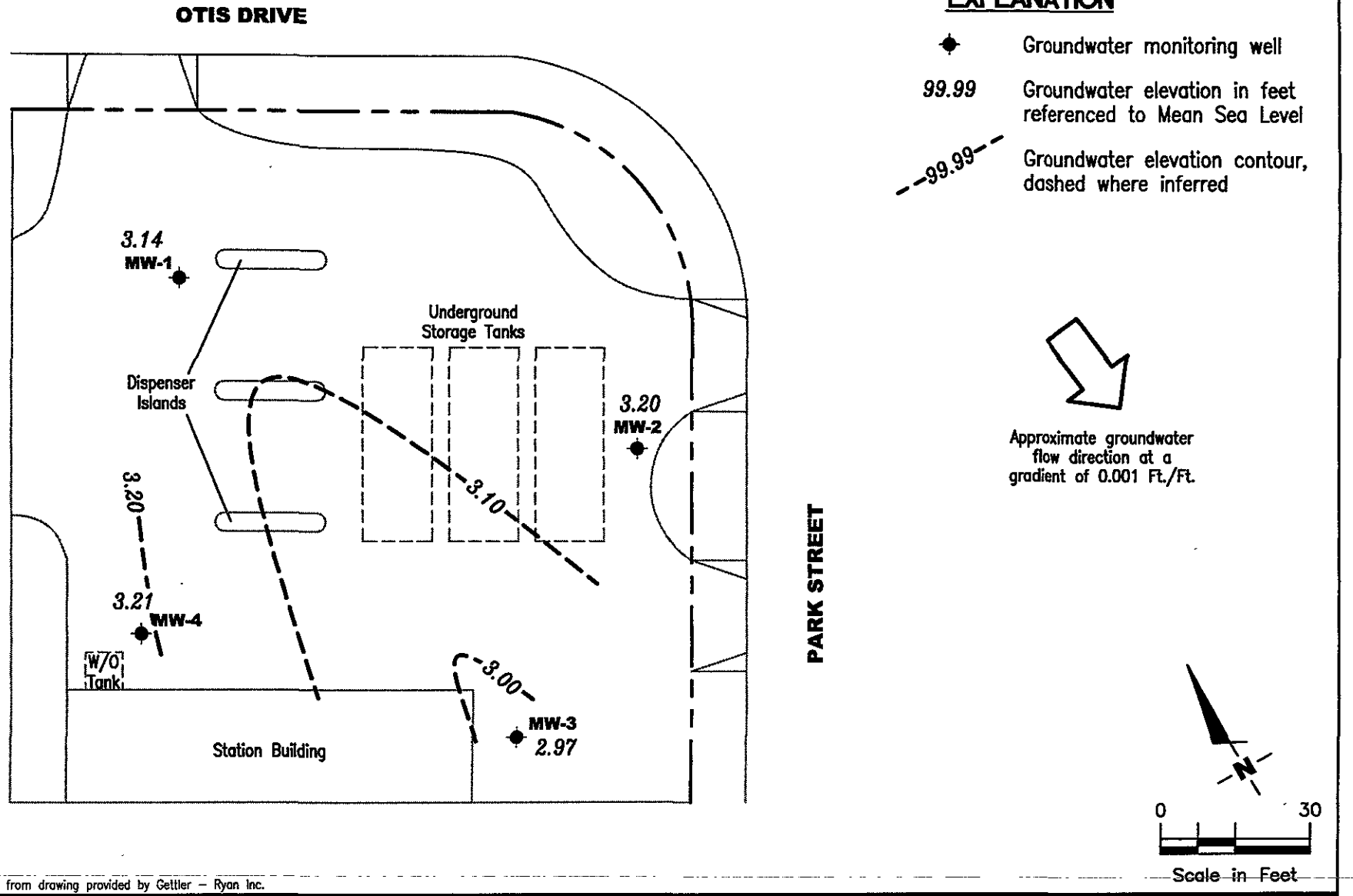
Sincerely,

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



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		May 22, 2002	

FILE NAME: P:\Enviro\Chevron\9-6607\Q02-9-6607.dwg | Layout Tab: Pot2

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]**	**--**
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]	--
	04/09/97	4.25	3.18	--	<500	<5.0	<5.0	<5.0	<5.0	970	--

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	07/09/97	4.48	2.95	--	<125	<1.2	<1.2	<1.2	<1.2	710	--
(cont)	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]**	**--**
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	--	--
	07/14/93	5.29	2.78	--	<50	<0.5	<0.5	<0.5	2.0	--	--
	10/26/93	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

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-3		01/11/94	5.22	2.85	--	<50	<0.5	1.0	<0.5	<0.5	--	--
(cont)		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		--	--	--	--	--	--
		02/26/02	4.78	3.22	--	<50	<0.50	<0.50	<0.50	<1.5	190	--
		05/22/02	**5.03**	**2.97**	**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-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	--
	04/19/99	4.07	3.78	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--

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	NP	07/03/00	4.88	2.97	--	--	--	--	--	--	--	--
(cont)		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**		**--**	**--**	**--**	**--**	**--**	**--**
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	--
		10/16/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
		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	--

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	04/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
(cont)	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**	**--**

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

* 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
MW-2	05/22/02	<500	130	300	<2	<2	28	<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

Client/ CHEVRON
Facility # 9-6607 Job#: 386502
Address: 2340 Otis Dr. Date: 5.22.02
City: Alameda, CA Sampler: FT

Well ID: MW-1 Well Condition: Ok'
Well Diameter: 4 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth: 22.92 ft.
Depth to Water: 3.78 ft.

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

19.14 X VF .66 = 12.63 X 3 (case volume) = Estimated Purge Volume: 37.89 (gal.)

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

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

Starting Time: 3:16 Weather Conditions: SUNNY
Sampling Time: 3:42 Water Color: CLEAR Odor: YES
Purging Flow Rate: 2.5 gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
3:21	12.5	7.24	542	65.7			
3:26	25.0	7.21	526	66.1			
3:34	38.0	7.18	516	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x VOA VIAL	Y	HCl	LANCASTER	TPH(G)/btex/mtbe /8Oxy 8260

COMMENTS: SLOW RECOVERY LAST CASE VOLUME
NEW 4" CAP & MASTERLOCK

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-6607 Job#: 386302
Address: 2340 Otis Dr. Date: 5.22.02
City: Alameda, CA Sampler: FT

Well ID: MW-2 Well Condition: ok'
Well Diameter: 4 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth: 23.50 ft.
Depth to Water: 4.23 ft.

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

19.27 X VF .66 = 12.71 X 3 (case volume) = Estimated Purge Volume: 38.15 (gal.)

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

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

Starting Time: 2:36 Weather Conditions: SUNNY
Sampling Time: 3:00 Water Color: CLEAR Odor: YES
Purging Flow Rate: 2.5 gpm. Sediment Description: _____
Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm +100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
2:41	12.5	7.36	521	66.4			
2:46	25.0	7.28	519	67.1			
2:51	38.0	7.21	516	67.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x VOA VIAL	Y	HCl	LANCASTER	TPH(G)/btex/mtbe / 8020 8260

COMMENTS: NEW 4" CAP & MASTERLOCK

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-6607 Job#: 386302
Address: 2340 Otis Dr. Date: 5.22.02
City: Alameda, CA Sampler: FT

Well ID MW-3 Well Condition: O'K'
Well Diameter 4 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 23.45 ft.
Depth to Water 5.03 ft.

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

N/A X VF ____ = ____ X 3 (case volume) = Estimated Purge Volume: ____ (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- N/A Stack
- Suction
- Grundfos
- Other: ____

Sampling Equipment:
- Disposable Bailer
- Bailer
- N/A Pressure Bailer
- Grab Sample
- Other: ____

Starting Time: ____ Weather Conditions: ____
Sampling Time: ____ Water Color: ____ Odor: ____
Purging Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	x VOA VIAL	Y	HCl	LANCASTER	TPH(G)/btex/mtbe 18 Oxy 8260

COMMENTS: "MONITORED ONLY"
NEW 4" CAP & MASTERLOCK

9/97-fieldat.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-6607 Job#: 386502
Address: 2340 Otis Dr. Date: 5.22.02
City: Alameda, CA Sampler: FT

Well ID: MW-4 Well Condition: ok
Well Diameter: 4 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth: 20.27 ft.
Depth to Water: 4.64 ft.

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

N/A X VF ____ = ____ X 3 (case volume) = Estimated Purge Volume: ____ (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- N/A Suction
- Grundfos
- Other: ____

Sampling Equipment:
- Disposable Bailer
- Bailer
- N/A Pressure Bailer
- Grab Sample
- Other: ____

Starting Time: ____ Weather Conditions: ____
Sampling Time: ____ Water Color: ____ Odor: ____
Purging Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	x VOA VIAL	Y	HCl	LANCASTER	TPH(G)/btex/mtbe / 8020 8260

COMMENTS: "MONITORED ONLY"

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 10905 Sample #: 338626 3-5 SCR#:

052402-004

Facility #: 9-6607 Job #386502 Globel ID#T0600100316
Site Address: 2340 OTIS DRIVE, ALAMEDA, CA
Chevron PM: Karen Streich 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:
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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	Matrix: Water	Matrix: Oil ☐ Air ☐ Potable ☐ NPDES	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates by 8260	Lead 7420 ☐ 7421 ☐	Comments / Remarks
QA	5-22-02					W		2	X	X					
MW-1	↓	1542	X			↓		6	X	X			X		
MW-2	↓	1500	X			↓		6	X	X			X		

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	5-22-02		[signature]	5/22	1540
[signature]	5/24	1340	[signature]	5-24-02	1340
[signature]	5-24-02	1530	[signature]	5-24-02	
Relinquished by Commercial Carrier: UPS FedEx (Other) Airborne			[signature]	5/24	0915
Temperature Upon Receipt 1.5-3.5°C			Custody Seals Intact? (Yes) No		

3460 Rev. 7/30/01

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
Where quality is a science.

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 808950. Samples arrived at the laboratory on Saturday, May 25, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-020522	NA	Water	3826263
MW-1-W-020522	Grab	Water	3826264
MW-2-W-020522	Grab	Water	3826265

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

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

Respectfully Submitted,

Steven A. Skiles
Sr. Chemist

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3826263

Collected:05/22/2002 00:00

Account Number: 10905

Submitted: 05/25/2002 09:15
Reported: 06/05/2002 at 13:17
Discard: 07/06/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-020522 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. Site-specific MS/MSD samples were 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
	Site-specific MS/MSD samples were 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	05/29/2002 16:27	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/29/2002 16:27	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/29/2002 16:27	John B Kiser	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
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 3826264

Collected:05/22/2002 15:42 by FT Account Number: 10905

Submitted: 05/25/2002 09:15 ChevronTexaco
Reported: 06/05/2002 at 13:17 6001 Bollinger Canyon Rd L4310
Discard: 07/06/2002 San Ramon CA 94583
MW-1-W-020522 Grab Water
Facility# 96607 Job# 386502 GRD
2340 OTIS DR-ALAMEDA T0600100316 MW-1

M1607

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.	350.	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. Site-specific MS/MSD samples were 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	1,100.	2.5	ug/l	5
	Site-specific MS/MSD samples were 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	1,000.	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	410.	5.0	ug/l	10
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 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 3826264

Collected:05/22/2002 15:42 by FT

Account Number: 10905

Submitted: 05/25/2002 09:15
Reported: 06/05/2002 at 13:17
Discard: 07/06/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020522 Grab Water
Facility# 96607 Job# 386502 GRD
2340 OTIS DR-ALAMEDA T0600100316 MW-1

M1607

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	05/30/2002 04:44	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/30/2002 03:37	John B Kiser	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/30/2002 04:44	John B Kiser	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/28/2002 21:45	David A Hoppman	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/29/2002 09:36	Marla S Lord	10
01146	GC VOA Water Prep	SW-846 5030B	1	05/30/2002 03:37	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/28/2002 21:45	David A Hoppman	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	05/29/2002 09:36	Marla S Lord	n.a.

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Lancaster Laboratories Sample No. WW 3826265

Collected:05/22/2002 15:00 by FT

Account Number: 10905

Submitted: 05/25/2002 09:15
Reported: 06/05/2002 at 13:17
Discard: 07/06/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020522 Grab Water
Facility# 96607 Job# 386502 GRD
2340 OTIS DR-ALAMEDA T0600100316 MW-2

M2607

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.	86.	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. Site-specific MS/MSD samples were 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	320.	2.5	ug/l	1
	Site-specific MS/MSD samples were 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	300.	2.0	ug/l	2.5
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	28.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	130.	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

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Lancaster Laboratories Sample No. WW 3826265

Collected:05/22/2002 15:00 by FT

Account Number: 10905

Submitted: 05/25/2002 09:15
Reported: 06/05/2002 at 13:17
Discard: 07/06/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020522 Grab Water
Facility# 96607 Job# 386502 GRD
2340 OTIS DR-ALAMEDA T0600100316 MW-2

M2607

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	05/29/2002 20:55	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/29/2002 20:55	John B Kiser	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/28/2002 22:11	David A Hoppman	1
01594	BTEX + Oxygenates by 8260B	SW-846 8260B	1	05/29/2002 10:02	Marla S Lord	2.5
01146	GC VOA Water Prep	SW-846 5030B	1	05/29/2002 20:55	John B Kiser	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/28/2002 22:11	David A Hoppman	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	05/29/2002 10:02	Marla S Lord	n.a.

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

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Quality Control Summary

Client Name: ChevronTexaco Group Number: 808950
Reported: 06/05/02 at 01:18 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02148A16A	Sample number(s): 3826263,3826265							
Benzene	N.D.	0.5	ug/l	118	115	80-118	2	30
Toluene	N.D.	0.5	ug/l	115	113	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	110	109	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	113	111	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	102	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	92	94	76-126	2	30
Batch number: 02148A16B	Sample number(s): 3826264							
Benzene	N.D.	0.5	ug/l	118	115	80-118	2	30
Toluene	N.D.	0.5	ug/l	115	113	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	110	109	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	113	111	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	103	102	79-127	1	30
TPH-GRO - Waters	N.D.	50.	ug/l	92	94	76-126	2	30
Batch number: U021481AA	Sample number(s): 3826264-3826265							
Ethanol	N.D.	500.	ug/l	117		44-139		
di-Isopropyl ether	N.D.	2.	ug/l	101		74-125		
Ethyl t-butyl ether	N.D.	2.	ug/l	99		74-120		
t-Amyl methyl ether	N.D.	2.	ug/l	99		71-114		
t-Butyl alcohol	N.D.	100.	ug/l	98		59-139		
1,2-Dichloroethane	N.D.	2.	ug/l	107		77-132		
1,2-Dibromoethane	N.D.	2.	ug/l	102		84-119		
Batch number: U021481AB	Sample number(s): 3826264-3826265							
Methyl t-butyl ether	N.D.	2.	ug/l	95		77-127		
t-Amyl methyl ether	N.D.	2.	ug/l	99		71-114		

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: U021481AA	Sample number(s): 3826264-3826265								
Ethanol	112	116	70-130	4	30				
di-Isopropyl ether	108	108	68-133	0	30				
Ethyl t-butyl ether	103	103	73-123	0	30				
t-Amyl methyl ether	107	101	69-118	6	30				
t-Butyl alcohol	99	96	51-148	2	30				
1,2-Dichloroethane	111	107	75-141	3	30				
1,2-Dibromoethane	104	103	78-120	1	30				
Batch number: U021481AB	Sample number(s): 3826264-3826265								
Methyl t-butyl ether	101	101	69-134	1	30				

*- 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: ChevronTexaco
Reported: 06/05/02 at 01:18 PM

Group Number: 808950

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
t-Amyl methyl ether	107	101	69-118	6	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 02148A16A

	Trifluorotoluene-F	Trifluorotoluene-P
3826263	92	100
3826265	92	100
Blank	91	100
LCS	105	99
LCSD	106	99
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02148A16B

	Trifluorotoluene-F	Trifluorotoluene-P
3826264	92	104
Blank	94	102
LCS	105	99
LCSD	106	99
Limits:	67-135	71-130

Analysis Name: BTEX + Oxygenates by 8260B
Batch number: U021481AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3826264	96	88	100	96
3826265	95	94	99	95
Blank	98	94	100	98
LCS	93	96	102	104
MS	94	97	99	100
MSD	94	92	99	101
Limits:	86-118	80-120	88-110	86-115

Analysis Name: 8260 Master Scan (water)
Batch number: U021481AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	92	94	100	94

*- 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: ChevronTexaco
Group Number: 808950
Reported: 06/05/02 at 01:18 PM

Surrogate Quality Control

LCS	93	96	102	104
MS	94	97	99	100
MSD	94	92	99	101
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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