

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
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Karen Streich  
Project Manager

Ro 335 ✓

October 7, 2004

**ChevronTexaco**

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

ALAMEDA COUNTY HEALTH CARE SERVICES  
OCT 11 2004  
ENVIRONMENTAL SERVICES

Re: Chevron Service Station #9-6607

Address: 2340 Otis Drive, Alameda, California

I have reviewed the attached routine groundwater monitoring report dated September 15, 2004.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Karen Streich  
Project Manager

Enclosure: Report

to 335



# GETTLER-RYAN INC.

## TRANSMITTAL

September 15, 2004  
G-R #386502

TO: Mr. Bruce Eppler  
Cambria Environmental Technology, Inc.  
4111 Citrus Avenue, Suite 12  
Rocklin, California 95677

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**  
**MTI: 61D-1970**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 14, 2004	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 13, 2004

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following:**

Ms. Karen Streich, ChevronTexaco Company, P.O. Box 6012, Room K2256, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **October 6, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577  
Mr. Wayne Weber, Chevron Station #9-6607, 2340 Otis Dr., Alameda, CA 94501  
Harsh Investment Corp., 523 West Plaza, South Shore Center, Alameda, CA 94501

Enclosures

trans/9-6607-ks



# GETTLER-RYAN INC.

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September 14, 2004  
G-R Job #386502

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

**RE: Third Quarter Event of August 13, 2004**  
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.

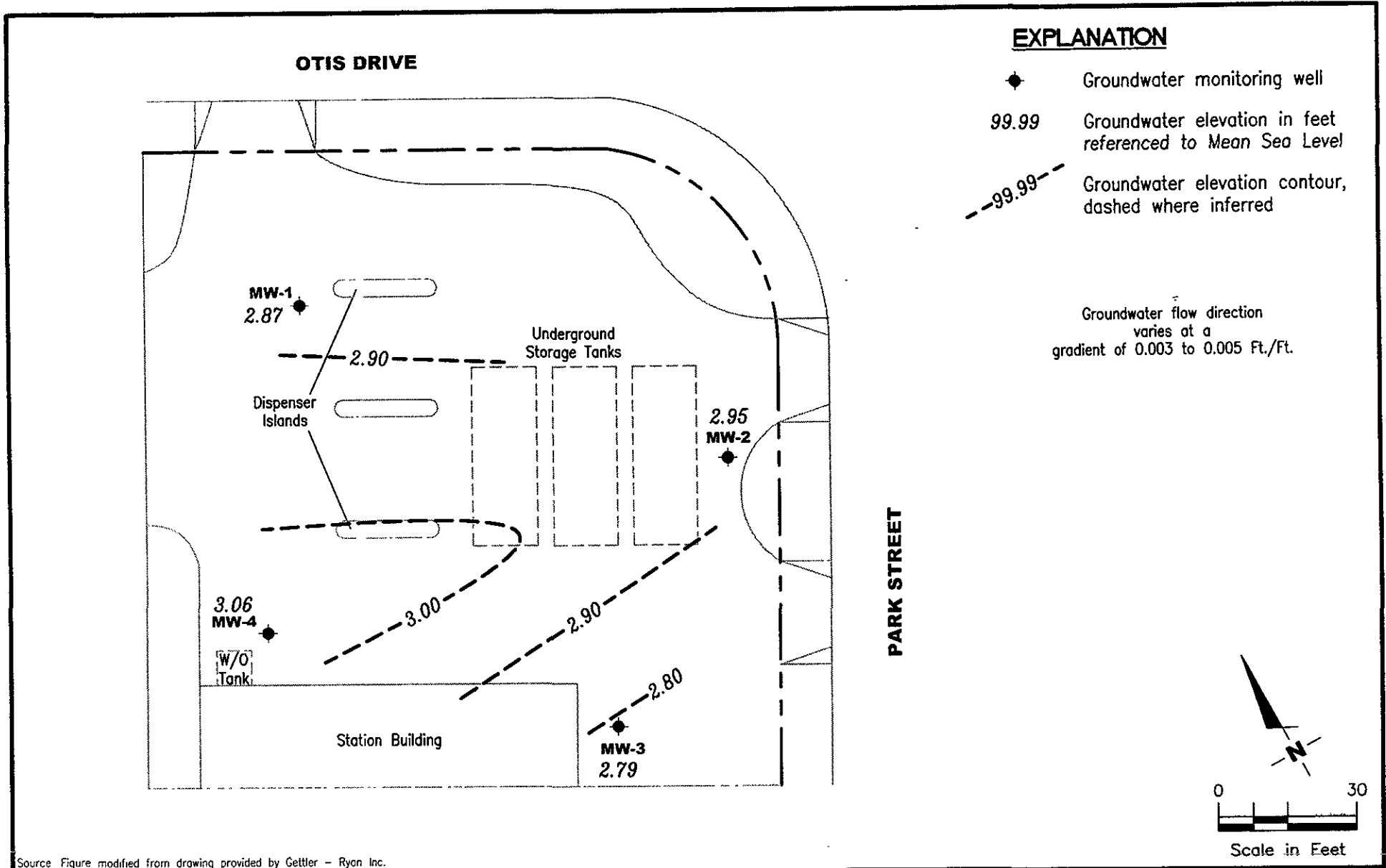
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



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  
386502

REVIEWED BY

DATE  
August 13, 2004

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-6607\004-9-6607 DWG | Layout Tab: Pot3

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1											
08/21/91	7.12	6.10	1.02	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/09/92	7.12	3.96	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5.000
04/20/92	7.12	3.90	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/25/92	7.12	4.18	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/24/92	7.12	4.72	2.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/21/93	7.12	3.18	3.94	--	<50	<0.5	0.7	<0.5	1.0	--	--
04/13/93	7.12	3.70	3.42	--	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/93	7.12	4.21	2.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/93	7.12	4.28	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/94	7.12	4.16	2.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/31/94	7.12	3.88	3.24	--	<50	<0.5	0.6	<0.5	0.7	--	--
07/14/94	7.12	3.00	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/94 <sup>1</sup>	7.12	4.25	2.87	--	80	<0.5	<0.5	<0.5	<0.5	121	--
01/11/95	7.12	3.12	4.00	--	<50	<0.5	<0.5	<0.5	<0.5	130	--
04/05/95 <sup>3</sup>	7.12	3.46	3.66	--	<50	<0.5	<0.5	<0.5	<0.5	170	--
07/13/95	7.12	3.99	3.13	--	<125	<1.2	<1.2	<1.2	<1.2	400	--
10/05/95	7.12	4.38	2.74	--	<50	<0.5	2.3	0.66	4.0	300	--
10/03/96	7.12	4.44	2.68	--	<50	0.63	<0.5	<0.5	<0.5	560	--
01/22/97	7.12	3.39	3.73	--	<200	<2.0	<2.0	<2.0	<2.0	530/880 <sup>5</sup>	--
04/09/97 <sup>6</sup>	6.92	3.70	3.22	--	<125	<1.2	<1.2	<1.2	<1.2	610	--
07/09/97	6.92	3.87	3.05	--	240	47	<2.0	<2.0	<2.0	990	--
10/16/97	6.92	3.97	2.95	--	250	<2.0	<2.0	<2.0	<2.0	1,000	--
01/08/98	6.92	3.45	3.47	--	<200	<2.0	<2.0	<2.0	<2.0	-- <sup>8</sup>	--
04/24/98	6.92	3.61	3.31	--	170	20	<0.5	<0.5	<0.5	1,700	--
07/15/98	6.92	3.85	3.07	--	160	58	1.1	<0.5	0.59	1,500/1,600 <sup>5</sup>	--
10/27/98	6.92	4.12	2.80	--	140	<0.5	<0.5	<0.5	<0.5	1,200	--
01/20/99	6.92	4.48	2.44	--	<250	<2.5	<2.5	<2.5	<2.5	1,330	--
04/19/99	6.92	2.71	4.21	--	150	73	<0.5	<0.5	<0.5	620	--
07/29/99	6.92	3.97	2.95	--	142	<0.5	0.82	<0.5	2.08	824	--
10/25/99	6.92	4.06	2.86	--	<200	<2.0	<2.0	<2.0	<2.0	972	--
01/24/00	6.92	2.89	4.03	--	143	<0.5	<0.5	<0.5	<0.5	1,170	--
04/03/00	6.92	3.60	3.32	--	130 <sup>9</sup>	22	<0.50	<0.50	<0.50	550	--
07/03/00	6.92	4.06	2.86	--	180 <sup>9</sup>	12	<1.0	<1.0	<1.0	850	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-1 (cont)</b>											
10/02/00 <sup>11</sup>	6.92	4.03	2.89	--	120 <sup>10</sup>	<0.50	<0.50	<0.50	<0.50	520	--
01/09/01	6.92	4.07	2.85	--	<250	<2.5	<2.5	<2.5	<2.5	510	--
04/09/01	6.92	3.57	3.35	--	120	<0.500	<2.00	<0.500	<2.00	683	--
08/23/01	6.92	3.90	3.02	--	<50	<0.50	<0.50	<0.50	<0.50	350	--
11/27/01	6.92	3.90	3.02	--	270	<0.50	<0.50	<0.50	<1.5	280	--
02/26/02	6.92	3.51	3.41	--	820	<0.50	<0.50	<0.50	<1.5	1,600	--
05/22/02	6.92	3.78	3.14	--	350	<0.50	<0.50	<0.50	<1.5	1,100/1,000 <sup>12</sup>	--
08/15/02	6.92	4.01	2.91	--	460	<0.50	<0.50	<0.50	<1.5	820/850 <sup>12</sup>	--
11/14/02	6.92	3.91	3.01	--	100	<0.50	<0.50	<0.50	<1.5	310/290 <sup>12</sup>	--
02/03/03	6.92	3.71	3.21	--	300	<0.50	<0.50	<0.50	<1.5	650/780 <sup>12</sup>	--
05/09/03	6.92	3.95	2.97	--	330	<0.5	<0.5	<0.5	<1.5	810/740 <sup>12</sup>	--
08/15/03 <sup>13</sup>	6.92	4.02	2.90	--	51	<0.5	<0.5	<0.5	<0.5	110	--
11/14/03 <sup>13</sup>	6.92	4.08	2.84	--	<50	<0.5	<0.5	<0.5	<0.5	11	--
02/13/04 <sup>13</sup>	6.92	3.59	3.33	--	170	<0.5	<0.5	<0.5	<0.5	410	--
05/14/04 <sup>13</sup>	6.92	4.09	2.83	--	83	2	<0.5	<0.5	<0.5	250	--
08/13/04 <sup>13</sup>	6.92	4.05	2.87	--	<50	<0.5	<0.5	<0.5	<0.5	78	--
<b>MW-2</b>											
08/21/91	7.43	6.40	1.03	--	430	170	0.9	1.0	3.6	--	--
01/09/92	7.43	4.23	3.20	--	58	16	<0.5	<0.5	<0.5	--	<5,000
04/20/92	7.43	4.17	3.26	--	180	9.6	<0.5	0.8	<0.5	--	--
07/25/92	7.43	4.47	2.96	--	220	8.0	0.7	4.0	8.6	--	--
11/24/92	7.43	5.82	1.61	--	72	3.2	<0.5	0.5	0.6	--	--
01/21/93	7.43	3.35	4.08	--	<50	0.8	<0.5	<0.5	<0.5	--	--
04/13/93	7.43	4.02	3.41	--	78	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	7.43	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/93	7.43	4.56	2.87	--	<50	<0.5	0.9	<0.5	0.6	--	--
01/11/94	7.43	4.39	3.04	--	<50	<0.5	1.0	<0.5	<0.5	--	--
03/31/94	7.43	4.18	3.25	--	<50	0.5	<0.5	<0.5	0.8	--	--
07/14/94	7.43	4.90	2.53	--	<50	<0.5	<0.5	<0.5	0.6	--	--
10/12/94 <sup>2</sup>	7.43	4.54	2.89	--	<50	<0.5	<0.5	<0.5	<0.5	2,900	--
01/11/95	7.43	3.26	4.17	--	<50	<0.5	<0.5	<0.5	<0.5	2,500	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (pph)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-2 (cont)											
04/05/95 <sup>3</sup>	7.43	3.65	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
07/13/95	7.43	4.31	3.12	--	<250	<2.5	<2.5	<2.5	<2.5	1,100	--
10/05/95	7.43	4.68	2.75	--	<50	<0.5	1.9	0.54	3.4	280	--
10/03/96	7.43	4.80	2.63	--	<500	<5.0	<5.0	<5.0	<5.0	1,000	--
01/22/97	7.43	3.36	4.07	--	540 <sup>7</sup>	<5.0	<5.0	<5.0	<5.0	1,300/1,600 <sup>5</sup>	--
04/09/97	7.43	4.25	3.18	--	<500	<5.0	<5.0	<5.0	<5.0	970	--
07/09/97	7.43	4.48	2.95	--	<125	<1.2	<1.2	<1.2	<1.2	710	--
10/16/97	7.43	4.44	2.99	--	<100	<1.0	<1.0	<1.0	<1.0	1,000	--
01/08/98	7.43	3.79	3.64	--	68	<0.5	<0.5	<0.5	<0.5	-- <sup>8</sup>	--
04/24/98	7.43	3.95	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	490	--
07/15/98	7.43	4.30	3.13	--	51	1.2	1.2	<0.5	<0.5	480	--
10/27/98	7.43	4.45	2.98	--	<50	<0.5	<0.5	<0.5	<0.5	180	--
01/20/99	7.43	4.21	3.22	--	<50	<0.5	<0.5	<0.5	<0.5	388	--
04/19/99	7.43	4.38	3.05	--	620	13	35	11	78	510	--
07/29/99	7.43	4.49	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	229	--
10/25/99	7.43	4.55	2.88	--	<50	<0.5	<0.5	<0.5	<0.5	314	--
01/24/00	7.43	2.82	4.61	--	<50	<0.5	<0.5	<0.5	<0.5	236	--
04/03/00	7.43	4.05	3.38	--	<50	<0.50	<0.50	<0.50	<0.50	420	--
07/03/00	7.43	4.52	2.91	--	140 <sup>9</sup>	<0.50	<0.50	<0.50	0.88	1,300	--
10/02/00	7.43	4.55	2.88	--	<1,000	<10	<10	<10	<10	1,300	--
01/09/01	7.43	4.45	2.98	--	<1,000	<10	<10	<10	<10	1,100	--
04/09/01	7.43	3.96	3.47	--	214	<0.500	<2.00	0.512	<2.00	1,770	--
08/23/01	7.43	4.38	3.05	--	130	24	<0.50	<0.50	<0.50	440	--
11/27/01	7.43	4.25	3.18	--	650	<0.50	<0.50	<0.50	<1.5	770	--
02/26/02	7.43	3.98	3.45	--	160	<0.50	<0.50	<0.50	<1.5	470	--
05/22/02	7.43	4.23	3.20	--	86	<0.50	<0.50	<0.50	<1.5	320/300 <sup>12</sup>	--
08/15/02	7.43	4.52	2.91	--	66	<0.50	<0.50	<0.50	<1.5	260/290 <sup>12</sup>	--
11/14/02	7.43	4.29	3.14	--	<50	<0.50	<0.50	<0.50	<1.5	120/120 <sup>12</sup>	--
02/03/03	7.43	4.10	3.33	--	80	<0.50	<0.50	<0.50	<1.5	190/200 <sup>12</sup>	--
05/09/03	7.43	4.18	3.25	--	94	<0.5	<0.5	<0.5	<1.5	190/150 <sup>12</sup>	--
08/15/03 <sup>13</sup>	7.43	4.45	2.98	--	240	<1	<1	<1	<1	740	--
11/14/03 <sup>13</sup>	7.43	4.51	2.92	--	<50	<0.5	<0.5	<0.5	<0.5	9	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-2 (cont)</b>											
02/13/04 <sup>13</sup>	7.43	4.05	3.38	--	<50	<0.5	<0.5	<0.5	<0.5	29	--
05/14/04 <sup>13</sup>	7.43	4.51	2.92	--	<50	<0.5	<0.5	<0.5	<0.5	14	--
08/13/04 <sup>13</sup>	7.43	4.48	2.95	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
<b>MW-3</b>											
08/21/91	8.07	7.10	0.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/09/92	8.07	5.03	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5.000
04/20/92	8.07	4.91	3.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/25/92	8.07	5.34	2.73	--	<50	1.0	1.0	1.0	3.4	--	--
11/24/92	8.07	5.00	3.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/21/93	8.07	4.34	3.73	--	<50	<0.5	0.5	<0.5	1.0	--	--
04/13/93	8.07	4.84	3.23	--	<50	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	8.07	5.29	2.78	--	<50	<0.5	<0.5	<0.5	2.0	--	--
10/26/93	8.07	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/94	8.07	5.22	2.85	--	<50	<0.5	1.0	<0.5	<0.5	--	--
03/31/94	8.07	4.99	3.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/94	8.07	5.36	2.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/94	8.07	5.02	3.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/95	8.07	4.35	3.72	--	<50	<0.5	<0.5	<0.5	0.7	<5.0	--
04/05/95 <sup>3</sup>	8.07	2.64	5.43	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
07/13/95	8.07	5.13	2.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/95	8.07	5.46	2.61	--	<50	<0.5	1.2	<0.5	<0.5	--	--
10/03/96	8.07	5.53	2.54	--	<50	0.98	1.2	0.53	2.5	<2.5	--
01/22/97	8.07	4.62	3.45	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/09/97 <sup>6</sup>	8.00	5.05	2.95	SAMPLED ANNUALLY		--	--	--	--	--	--
07/09/97	8.00	5.14	2.86	--	--	--	--	--	--	--	--
10/16/97	8.00	5.20	2.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/08/98	8.00	4.75	3.25	--	<50	<0.5	<0.5	<0.5	<0.5	9.3	--
04/24/98	8.00	4.73	3.27	--	--	--	--	--	--	--	--
07/15/98	8.00	5.07	2.93	--	--	--	--	--	--	--	--
10/27/98	8.00	5.24	2.76	--	--	--	--	--	--	--	--
01/20/99	8.00	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	42.2	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (fl.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-3 (cont)</b>											
04/19/99	8.00	4.26	3.74	--	--	--	--	--	--	--	--
07/29/99	8.00	5.18	2.82	--	--	--	--	--	--	--	--
10/25/99	8.00	5.27	2.73	--	--	--	--	--	--	--	--
01/24/00	8.00	4.22	3.78	--	<50	<0.5	<0.5	<0.5	<0.5	71.1	--
04/03/00	8.00	4.90	3.10	--	--	--	--	--	--	--	--
07/03/00	NP	5.25	2.75	--	--	--	--	--	--	--	--
10/02/00	8.00	5.29	2.71	--	--	--	--	--	--	--	--
01/09/01	8.00	5.27	2.73	--	<50	<0.50	<0.50	<0.50	<0.50	120	--
04/09/01	8.00	4.81	3.19	--	--	--	--	--	--	--	--
08/23/01	8.00	5.24	2.76	--	--	--	--	--	--	--	--
11/27/01	8.00	5.14	2.86	SAMPLED ANNUALLY		--	--	--	--	--	--
02/26/02	8.00	4.78	3.22	--	<50	<0.50	<0.50	<0.50	<1.5	190	--
05/22/02	8.00	5.03	2.97	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/02	8.00	5.27	2.73	SAMPLED ANNUALLY		--	--	--	--	--	--
11/14/02	8.00	5.08	2.92	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
02/03/03	8.00	4.88	3.12	--	<50	<0.50	<0.50	<0.50	<1.5	82/88 <sup>12</sup>	--
05/09/03	8.00	5.10	2.90	--	<50	<0.5	<0.5	<0.5	<1.5	150/100 <sup>12</sup>	--
08/15/03 <sup>13</sup>	8.00	5.18	2.82	--	<50	<0.5	<0.5	<0.5	<0.5	190	--
11/14/03 <sup>13</sup>	8.00	5.23	2.77	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	--
02/13/04 <sup>13</sup>	8.00	4.86	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	36	--
05/14/04 <sup>13</sup>	8.00	5.25	2.75	--	<50	<0.5	<0.5	<0.5	<0.5	5	--
08/13/04 <sup>13</sup>	8.00	5.21	2.79	--	<50	<0.5	<0.5	<0.5	<0.5	2	--
<b>MW-4</b>											
08/21/91	7.85	6.85	1.00	--	<50	0.6	<0.5	<0.5	<0.5	--	<5.000
01/09/92	7.85	4.70	3.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5.000
04/20/92	7.85	4.64	3.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	<5.000
07/25/92	7.85	4.95	2.90	78	<50	0.5	1.1	<0.5	0.8	--	--
11/24/92	7.85	5.42	2.43	--	<50	<0.5	<0.5	<0.5	1.0	--	<5.000
01/21/93	7.85	4.07	3.78	<10	<50	<0.5	0.5	<0.5	0.7	--	--
04/13/93	7.85	4.45	3.40	<10	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/93	7.85	4.90	2.95	--	<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/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-4 (cont)</b>											
10/26/93	7.85	4.95	2.90	--	<50	2.0	3.0	2.0	3.0	--	--
01/11/94	7.85	4.77	3.08	--	<50	<0.5	0.5	<0.5	<0.5	--	--
03/31/94	7.85	4.65	3.20	--	<50	<0.5	<0.5	<0.5	1.0	--	--
07/14/94	7.85	5.05	2.80	--	<50	0.9	1.2	<0.5	2.0	--	--
10/12/94	7.85	4.88	2.97	--	<50	<0.5	0.9	<0.5	0.7	--	--
01/11/95	7.85	4.00	3.85	--	<50	<0.5	0.8	0.7	1.5	<5.0	--
04/05/95 <sup>4</sup>	7.85	4.22	3.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<5.000
07/13/95	7.85	4.71	3.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/95	7.85	5.02	2.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/03/96	7.85	5.08	2.77	--	100	5.5	5.6	2.5	12	<2.5	--
01/22/97	7.85	4.28	3.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/09/97	7.85	4.60	3.25	SAMPLED ANNUALLY		--	--	--	--	--	--
07/09/97	7.85	4.79	3.06	--	--	--	--	--	--	--	--
10/16/97	7.85	4.81	3.04	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	--
01/08/98	7.85	4.37	3.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/98	7.85	4.34	3.51	--	--	--	--	--	--	--	--
07/15/98	7.85	4.46	3.39	--	--	--	--	--	--	--	--
10/27/98	7.85	4.52	3.33	--	--	--	--	--	--	--	--
01/20/99	7.85	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/19/99	7.85	4.07	3.78	--	--	--	--	--	--	--	--
04/19/99	7.85	4.87	2.98	--	--	--	--	--	--	--	--
10/25/99	7.85	4.90	2.95	--	--	--	--	--	--	--	--
01/24/00	7.85	4.32	3.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/00	7.85	4.38	3.47	--	--	--	--	--	--	--	--
07/03/00	NP	4.88	2.97	--	--	--	--	--	--	--	--
10/02/00	7.85	4.89	2.96	--	--	--	--	--	--	--	--
01/09/01	7.85	4.93	2.92	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
04/09/01	7.85	4.48	3.37	--	--	--	--	--	--	--	--
08/23/01	7.85	4.85	3.00	--	--	--	--	--	--	--	--
11/27/01	7.85	4.80	3.05	SAMPLED ANNUALLY		--	--	--	--	--	--
02/26/02	7.85	4.40	3.45	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/22/02	7.85	4.64	3.21	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/02	7.85	4.91	2.94	SAMPLED ANNUALLY		--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msf)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-4 (cont)</b>											
11/14/02	7.85	4.73	3.12	SAMPLED ANNUALLY		--	--	--	--	--	--
02/03/03	7.85	4.52	3.33	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 <sup>12</sup>	--
05/09/03	7.85	4.75	3.10	SAMPLED ANNUALLY		--	--	--	--	--	--
08/15/03	7.85	4.82	3.03	SAMPLED ANNUALLY		--	--	--	--	--	--
11/14/03	7.85	4.85	3.00	SAMPLED ANNUALLY		--	--	--	--	--	--
02/13/04 <sup>13</sup>	7.85	4.52	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	4	--
05/14/04	7.85	4.87	2.98	SAMPLED ANNUALLY		--	--	--	--	--	--
08/13/04 <sup>13</sup>	7.85	4.79	3.06	--	<50	<0.5	<0.5	<0.5	<0.5	2	--
<b>TRIP BLANK</b>											
TB-1.B											
01/21/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
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	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
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2340 Otis Drive  
Alameda, California

WELL ID/ DATE	TOC* (fl.)	DTW (fl.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>TRIP BLANK (cont)</b>											
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	--
<b>QA</b>											
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	--
02/03/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/09/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/15/03 <sup>13</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03 <sup>13</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04 <sup>13</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/14/04 <sup>13</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/13/04 <sup>13</sup>	--	--	--	--	<50	<0.5	<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

**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 = Quality Assurance/Trip Blank

\* TOC elevations are relative to msl.

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

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

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

<sup>4</sup> Laboratory report indicates VOCs were <5.0 ppb.

<sup>5</sup> Confirmation of MTBE.

<sup>6</sup> Wellhead elevation altered due to maintenance.

<sup>7</sup> Chromatogram pattern indicates an unidentified hydrocarbon.

<sup>8</sup> No value for MTBE could be determined; see laboratory report.

<sup>9</sup> Laboratory report indicates gasoline C6-C12.

<sup>10</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.

<sup>11</sup> Laboratory report indicates this sample was analyzed outside the EPA recommended holding time.

<sup>12</sup> MTBE by EPA Method 8260.

<sup>13</sup> BTEX and 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
	02/03/03	<50	24	780	<0.5	<0.5	240	<0.5	<0.5
	05/09/03	<50	44	740	<0.5	<0.5	220	<0.5	<0.5
	08/15/03	<50	20	110	<0.5	<0.5	10	<0.5	<0.5
	11/14/03	<50	<5	11	<0.5	<0.5	0.8	<0.5	<0.5
	02/13/04	<50	23	410	<0.5	<0.5	120	<0.5	<0.5
	05/14/04	<50	9	250	<0.5	<0.5	69	<0.5	<0.5
	08/13/04	<50	<5	78	<0.5	<0.5	17	<0.5	<0.5
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
	02/03/03	<50	55	200	<0.5	<0.5	22	<0.5	<0.5
	05/09/03	<50	38	150	<0.5	<0.5	15	<0.5	<0.5
	08/15/03	<100	<10	740	<1	<1	200	<1	<1
	11/14/03	<50	<5	9	<0.5	<0.5	<0.5	<0.5	<0.5
	02/13/04	<50	11	29	<0.5	<0.5	2	<0.5	<0.5
	05/14/04	<50	<5	14	<0.5	<0.5	<0.5	<0.5	<0.5
	08/13/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	11/14/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/03/03	<50	<5	88	<0.5	<0.5	1	<0.5	<0.5
	05/09/03	<50	<5	100	<0.5	<0.5	2	<0.5	<0.5
	08/15/03	<50	<5	190	<0.5	<0.5	4	<0.5	<0.5
	11/14/03	<50	<5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5
	02/13/04	<50	<5	36	<0.5	<0.5	0.5	<0.5	<0.5
	05/14/04	<50	<5	5	<0.5	<0.5	<0.5	<0.5	<0.5
	08/13/04	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5

**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-4	02/03/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	05/09/03	SAMPLED ANNUALLY		--	--	--	--	--	--
	02/13/04	<50	<5	4	<0.5	<0.5	1	<0.5	<0.5
	08/13/04	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Chevron Service Station #9-6607  
2340 Otis Drive  
Alameda, California

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**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  
-- = Not Analyzed

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds



## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ChevronTexaco 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: 8.13.04 (inclusive)  
 City: Alameda, CA Sampler: SOL

Well ID: MW-1 Date Monitored: 8.13.04 Well Condition: O.K.

Well Diameter: 4 in.

Total Depth: 22.94 ft.

Depth to Water: 4.05 ft.

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

18.89 xVF 0.66 = 12.47 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: 6 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1255 Weather Conditions: clear  
 Sample Time/Date: 1330 18-13-04 Water Color: clear Odor: nom  
 Purging Flow Rate: 3 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

low recovery

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1308</u>	<u>12</u>	<u>7.43</u>	<u>6.13</u>	<u>71.2</u>		
<u>1313</u>	<u>25</u>	<u>7.45</u>	<u>6.12</u>	<u>69.8</u>		
<u>1320</u>	<u>37</u>	<u>7.48</u>	<u>6.09</u>	<u>70.6</u>		

### LABORATORY INFORMATION

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

### 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: 8-13-04 (inclusive)  
 City: Alameda, CA Sampler: Joe

Well ID: MW-2 Date Monitored: 8-13-04 Well Condition: O.K.  
 Well Diameter: 4 in.  
 Total Depth: 23.53 ft.  
 Depth to Water: 4.48 ft.  
19.05 xVF 0.66 = 12.57 x3 case volume = Estimated Purge Volume: 38 gal.

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

**Purge Equipment:**  
 Disposable Bailor \_\_\_\_\_  
 Stainless Steel Bailor \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump ✓  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailor ✓  
 Pressure Bailor \_\_\_\_\_  
 Discrete Bailor \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1152 Weather Conditions: clear  
 Sample Time/Date: 1245, 18-1304 Water Color: clear Odor: none  
 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) <sup>x100</sup>	Temperature (C/R)	D.O. (mg/L)	ORP (mV)
<u>1217</u>	<u>13</u>	<u>7.14</u>	<u>4.51</u>	<u>69.3</u>	_____	_____
<u>1222</u>	<u>25</u>	<u>7.36</u>	<u>4.54</u>	<u>70.5</u>	_____	_____
<u>1235</u>	<u>38</u>	<u>7.32</u>	<u>4.57</u>	<u>71.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6607  
 Site Address: 2340 Otis Drive  
 City: Alameda, CA

Job Number: 386502  
 Event Date: 8-13-04 (inclusive)  
 Sampler: Joc

Well ID: MW-3 Date Monitored: 8-13-04 Well Condition: o.k.  
 Well Diameter: 4 in.  
 Total Depth: 73.58 ft.  
 Depth to Water: 5.21 ft.  
18.34 x VF 0.66 = 12.10 x3 case volume = Estimated Purge Volume: 36 gal.

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

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

**Sampling Equipment:**  
 Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1057 Weather Conditions: clear  
 Sample Time/Date: 1136 10-13-04 Water Color: clear Odor: none  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1208</u>	<u>12</u>	<u>7.38</u>	<u>3.50</u>	<u>69.0</u>		
<u>1113</u>	<u>24</u>	<u>7.47</u>	<u>3.58</u>	<u>70.4</u>		
<u>1121</u>	<u>36</u>	<u>7.41</u>	<u>3.64</u>	<u>71.0</u>		

### LABORATORY INFORMATION

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

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: 8-13-04 (inclusive)  
 City: Alameda, CA Sampler: Sec

Well ID: MW-4 Date Monitored: 8-13-04 Well Condition: 0.1c  
 Well Diameter: 4 in.  
 Total Depth: 20.30 ft.  
 Depth to Water: 4.79 ft.  
 Volume Factor (VF): 15.51 xVF = 0.66 = 10.24 x3 case volume = Estimated Purge Volume: 31 gal.

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

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump  \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer  \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1005 Weather Conditions: clear  
 Sample Time/Date: 1040 18-13-04 Water Color: clear Odor: none  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) <sup>x100</sup>	Temperature (C/E)	D.O. (mg/L)	ORP (mV)
<u>1015</u>	<u>10</u>	<u>6.93</u>	<u>3.04</u>	<u>69.3</u>		
<u>1021</u>	<u>20</u>	<u>7.12</u>	<u>2.91</u>	<u>71.0</u>		
<u>1027</u>	<u>31</u>	<u>7.18</u>	<u>2.88</u>	<u>70.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 8 OXYS(8260)</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria  
Suite 9  
4111 Citrus Avenue  
Rocklin CA 95677  
916-630-1855

Prepared by:

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

GETTLER RYAN INC  
CITRUS AVENUE  
ROCKLIN CA 95677

## SAMPLE GROUP

The sample group for this submittal is 908302. Samples arrived at the laboratory on Wednesday, August 18, 2004. The PO# for this group is 99011184 and the release number is MTI.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-040813	NA	Water	4333210
MW-1-W-040813	Grab	Water	4333211
MW-2-W-040813	Grab	Water	4333212
MW-3-W-040813	Grab	Water	4333213
MW-4-W-040813	Grab	Water	4333214

1 COPY TO  
ELECTRONIC  
COPY TO

Cambria C/O Gettler- Ryan  
Gettler-Ryan

Attn: Deanna L. Harding  
Attn: Cheryl Hansen



## Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative  
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in black ink that reads "Victoria M. Martell".

Victoria M. Martell  
Chemist





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4333210

QA-T-040813 NA Water  
Facility# 96607 Job# 386502 MTI# 61D-1970 GRD  
2340 Otis Dr-Alameda T0600100316 QA  
Collected: 08/13/2004

Account Number: 10904

Submitted: 08/18/2004 08:55  
Reported: 08/24/2004 at 19:02  
Discard: 09/24/2004

ChevronTexaco c/o Cambria  
Suite 9  
4111 Citrus Avenue  
Rocklin CA 95677

OTIQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters 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.	n.a.	N.D.	50.	ug/l	1
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/19/2004 20:26	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/23/2004 06:41	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/19/2004 20:26	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2004 06:41	Marc S Neal	n.a.



# Analysis Report

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Lancaster Laboratories Sample No. WW 4333211

MW-1-W-040813                      Grab                      Water  
 Facility# 96607      Job# 386502      MTI# 61D-1970      GRD  
 2340 Otis Dr-Alameda              T0600100316      MW-1  
 Collected: 08/13/2004 13:30      by JA

Account Number: 10904

Submitted: 08/18/2004 08:55  
 Reported: 08/24/2004 at 19:02  
 Discard: 08/24/2004

ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

OTIM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	78.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	17.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/19/2004 20:55	Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260E	1	08/22/2004 22:41	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/19/2004 20:55	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/22/2004 22:41	Marc S Neal	n.a.



# Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4333212

MW-2-W-040813                      Grab                      Water  
 Facility# 96607    Job# 386502    MTI# 61D-1970    GRD  
 2340 Otis Dr-Alameda              T0600100316    MW-2  
 Collected: 08/13/2004 12:45    by JA

Account Number: 10904

Submitted: 08/18/2004 08:55  
 Reported: 08/24/2004 at 19:02  
 Discard: 09/24/2004

ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

OTIM2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters 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.	n.a.	N.D.	50.	ug/l	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	06/19/2004	21:23	Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260E	1	08/22/2004	23:07	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/19/2004	21:23	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/22/2004	23:07	Marc S Neal	n.a.

Lancaster Laboratories Sample No. WW 4333213

MW-3-W-040813                      Grab                      Water  
 Facility# 96607    Job# 386502    MTI# 61D-1970    GRD  
 2340 Otis Dr-Alameda              T0600100316    MW-3  
 Collected: 08/13/2004 11:36              by JA

Account Number: 10904

Submitted: 08/18/2004 08:55  
 Reported: 08/24/2004 at 19:02  
 Discard: 09/24/2004

ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

OTIM3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
01728	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.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/19/2004 21:52		Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260E	1	08/23/2004 00:25		Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/19/2004 21:52		Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/23/2004 00:25		Marc S Neal	n.a.

**Lancaster Laboratories Sample No. WW 4333214**
**MW-4-W-040813                      Grab                      Water**  
**Facility# 96607    Job# 386502    MTI# 61D-1970    GRD**  
**2340 Otis Dr-Alameda                      T0600100316    MW-4**  
**Collected:08/13/2004 10:40                      by JA**
**Account Number: 10904**
**Submitted: 08/18/2004 08:55**  
**Reported: 08/24/2004 at 19:03**  
**Discard: 09/24/2004**
**ChevronTexaco c/o Cambria**  
**Suite 9**  
**4111 Citrus Avenue**  
**Rocklin CA 95677**
**OTIM4**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.	50.		ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5		ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5		ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5		ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5		ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.		ug/l	1
05401	Benzene	71-43-2	N.D.	0.5		ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/19/2004 22:21		Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	08/23/2004 00:51		Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/19/2004 22:21		Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/23/2004 00:51		Marc S Neal	n.a.

## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 08/24/04 at 07:03 PM

Group Number: 908302

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04232A08B TPH-GRO - Waters	N.D.	50.	ug/l	108	107	70-130	1	30
Batch number: 2042351AA Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	96		85-117		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	102		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		
Batch number: 2042352AA Ethanol	N.D.	50.	ug/l	103		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	96		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	93		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	87		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	80		57-141		
Benzene	N.D.	0.5	ug/l	91		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	102		77-132		
Toluene	N.D.	0.5	ug/l	89		85-115		
1,2-Dibromoethane	N.D.	0.5	ug/l	93		81-114		
Ethylbenzene	N.D.	0.5	ug/l	91		82-119		
Xylene (Total)	N.D.	0.5	ug/l	88		83-113		

### 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: 04232A06E TPH-GRO - Waters	100		63-154						
Batch number: 2042351AA Methyl Tertiary Butyl Ether	90	92	69-134	1	30				
Benzene	100	100	83-128	0	30				
Toluene	102	102	83-127	0	30				
Ethylbenzene	101	102	82-129	1	30				
Xylene (Total)	97	98	82-130	1	30				
Batch number: 2042352AA Ethanol	68	87	33-153	24	30				
Methyl Tertiary Butyl Ether	95	97	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.

## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 08/24/04 at 07:03 PM

Group Number: 908302

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	KPD MAX	ENG Conc	DUP Conc	DUP RPD	Dup RPD Max
di-Isopropyl ether	100	102	75-130	2	30				
Ethyl t-butyl ether	96	99	78-119	3	30				
t-Amyl methyl ether	88	94	77-117	6	30				
t-Butyl alcohol	82	82	51-147	0	30				
Benzene	98	99	83-128	1	30				
1,2-Dichloroethane	105	107	73-136	2	30				
Toluene	98	99	83-127	1	30				
1,2-Dibromoethane	96	96	78-120	0	30				
Ethylbenzene	100	101	82-129	1	30				
Xylene (Total)	96	98	82-130	2	30				

### Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04232A06B  
 Trifluorotoluene-F

4333210	105
4333211	105
4333212	106
4333213	104
4333214	106
Blank	107
LCS	108
LCSD	104
MS	109

Limits: 57-146

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: Z042351AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4333210	93	98	96	93
Blank	94	101	96	96
LCS	93	96	97	98
MS	94	100	97	98
MSD	93	101	98	99

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH  
 Batch number: Z042352AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4333211	100	106	102	97
4333212	100	108	100	98
4333213	99	105	101	98
4333214	101	107	102	99
Blank	98	105	101	97
LCS	99	106	99	101
MS	99	108	100	101

\*- Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco c/o Cambria  
Reported: 08/24/04 at 07:03 PM

Group Number: 908302

### Surrogate Quality Control

MSD	100	108	100	102
Limits:	E1-120	E2-112	E5-112	E3-113

\*- 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.



# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>$ 25%	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<$ 0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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