

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
Fax 925-842-8370

Karen Streich  
Project Manager

Ro 46 ✓

October 8, 2004

**ChevronTexaco**

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

Alameda County  
OCT 14 2004  
RECEIVED

Re: Chevron Service Station # 9-4930

Address: 3369 Castro Valley Blvd., Castro Valley, California

I have reviewed the attached routine groundwater monitoring report dated September 16, 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



# GETTLER-RYAN INC.

## TRANSMITTAL

September 16, 2004

G-R #386509

TO: Mr. Bruce H. 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: **Former Chevron Service Station  
#9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California  
MTI: 61D-1967**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 15, 2004	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 17, 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 7, 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. Chuck Headlee, RWQCB - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612  
Ms. Anna Counelis and Tula Gallanes, 109 Casa Vieja, Orinda, CA 94563

Enclosures

trans/9-4930-ks

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7888  
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317  
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218



# GETTLER-RYAN INC.

September 15, 2004  
G-R Job #386509

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

**RE: Third Quarter Event of August 17, 2004**  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, 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).

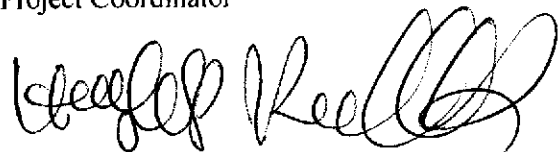
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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

**CASTRO VALLEY BOULEVARD**

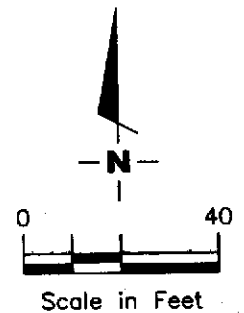
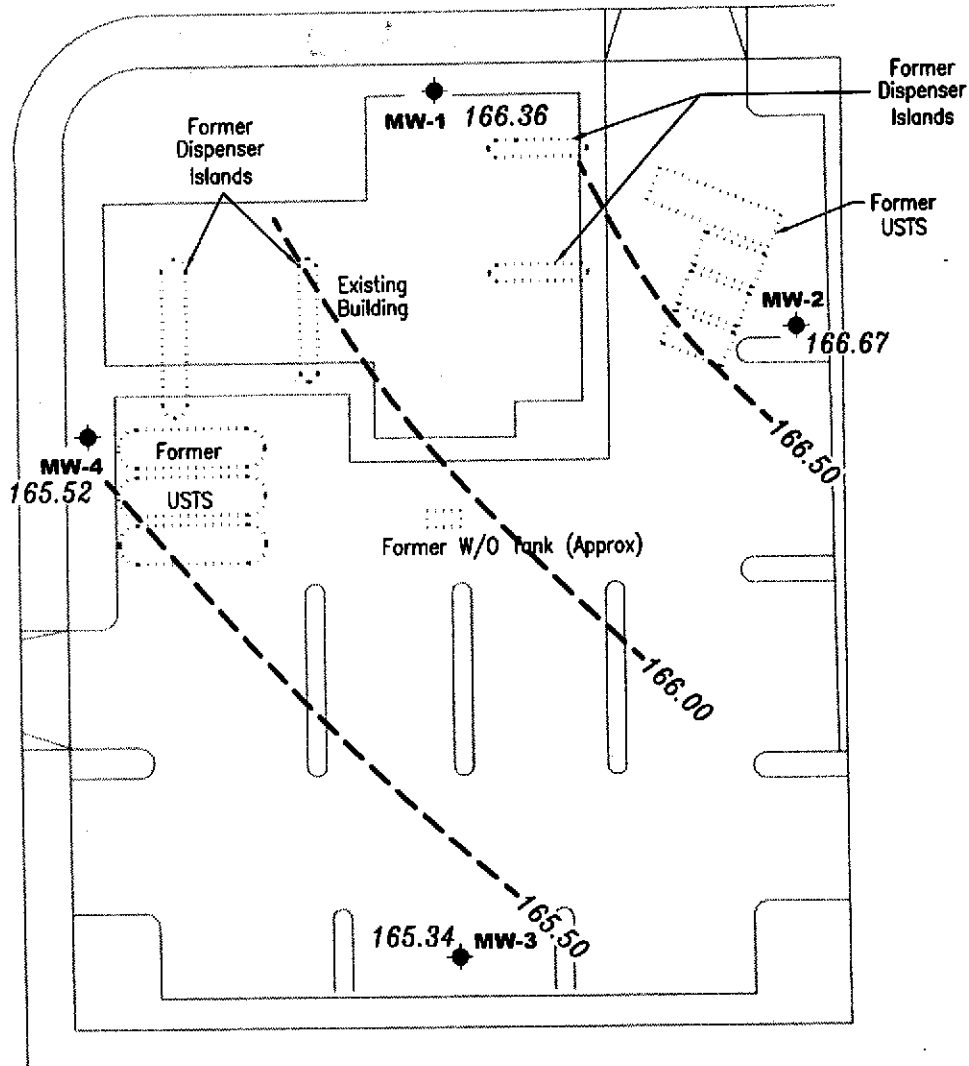
**EXPLANATION**

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



Approximate groundwater flow direction at a gradient of 0.009 Ft./Ft.

**WILBEAM AVENUE**



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

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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station #9-4930  
 3369 Castro Valley Boulevard  
 Castro Valley, California

FIGURE

1

PROJECT NUMBER  
 386509

REVIEWED BY

DATE  
 August 17, 2004

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-1</b>													
10/29/93	172.90	166.15	6.75	1,000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	670	35	3.5	43	3.9	--	0.8	16	14	47
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	560	43	9.5	25	5.0	--	1.3	19	13	65
11/11/94	172.90	167.00	5.90	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	240	25	0.6	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	350	36	<0.5	30	<0.5	15	--	--	--	--
01/26/96	172.90	166.85	6.05	210	23	<0.5	12	<0.5	4.7	--	--	--	--
05/08/96	172.90	166.50	6.40	310	42	2.3	56	1.1	52	--	--	--	--
10/03/96	173.53	166.61	6.92	240	31	<0.5	1.7	<0.5	18	--	--	--	--
02/04/97	173.53	167.02	6.51	200	9.9	<0.5	3.7	<0.5	16	--	--	--	--
04/30/97	173.53	166.64	6.89	260	11	<0.5	17	<0.5	13	--	--	--	--
07/22/97	173.53	166.49	7.04	170	5.0	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	173.53	166.55	6.98	230	13	<0.5	7.8	0.68	--	--	--	--	--
02/11/98	173.53	167.52	6.01	110	3.1	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	173.53	166.72	6.81	170	4.2	1.8	2.1	<0.5	<2.5	--	--	--	--
08/07/98	173.53	167.01	6.52	110	5.2	<0.5	6.7	<0.5	13	--	--	--	--
11/05/98	173.53	166.58	6.95	160	1.8	<0.5	<0.5	0.53	<2.5	--	--	--	--
03/02/99	173.53	166.97	6.56	119	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	173.53	166.89	6.64	153	3.17	<0.5	0.791	<0.5	<5.0	--	--	--	--
08/24/99	173.53	166.40	7.13	96.2	1.38	<0.5	<0.5	<0.5	14.7	--	--	--	--
11/19/99	173.53	166.92	6.61	209	13.1	1.68	12.3	<0.5	3.79	--	--	--	--
02/03/00	173.53	168.30	5.23	95	1.4	<0.5	<0.5	<0.5	15	--	--	--	--
05/03/00	173.53	166.52	7.01	120 <sup>2</sup>	0.92	<0.50	<0.50	<0.50	12	--	--	--	--
07/28/00	173.53	166.45	7.08	100 <sup>2</sup>	<0.50	<0.50	<0.50	<0.50	21	--	--	--	--
11/13/00	173.53	169.41	4.12	73.0 <sup>3</sup>	1.14	<0.500	<0.500	<0.500	27.0	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-1 (cont)</b>													
02/15/01	173.53	166.86	6.67	148 <sup>d</sup>	2.34	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	173.53	166.48	7.05	97 <sup>2</sup>	1.5	<0.50	<0.50	<0.50	3.0/2.1 <sup>5</sup>	--	--	--	--
08/30/01 <sup>6</sup>	173.53	166.21	7.32	410	4.8	<0.50	1.4	<0.50	--/ <5.0 <sup>5</sup>	--	--	--	--
11/29/01	173.53	166.78	6.75	180	5.7	<0.50	2.3	<1.5	<2.5	--	--	--	--
02/05/02	173.53	166.73	6.80	120	1.9	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02 <sup>7</sup>	173.53	166.43	7.10	120	1.00	<0.50	<0.50	<1.5	2.9	--	41	<2	300
08/15/02	173.53	166.42	7.11	110	1.7	<0.50	<0.50	<1.5	<2.5	--	--	--	--
11/05/02	173.53	166.20	7.33	130	1.9	<0.50	<0.50	<1.5	<5.0	--	--	--	--
02/05/03	173.53	166.51	7.02	120	1.5	<0.50	<0.50	<1.5	<10	--	--	--	--
05/07/03	173.53	166.89	6.64	110	0.7	<0.5	<0.5	<1.5	<10	--	--	--	--
08/05/03 <sup>11</sup>	173.53	166.39	7.14	120	2	<0.5	<0.5	<0.5	4	--	--	--	--
11/17/03 <sup>11</sup>	173.53	166.53	7.00	110	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
02/14/04 <sup>11</sup>	173.53	166.55	6.98	92	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
04/27/04 <sup>11</sup>	173.53	166.37	7.16	120	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
08/17/04 <sup>11</sup>	173.53	166.36	7.17	99	<0.5	<0.5	<0.5	<0.5	4	--	--	--	--
<b>MW-2</b>													
10/29/93	173.91	166.05	7.86	5,600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	1,100	160	0.8	64	2.0	--	<0.5	0.9	<0.5	2.0
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	190	7.1	4.1	3.1	1.2	--	<0.5	1.1	<0.5	4.5
11/11/94	173.91	167.08	6.83	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	190	46	<0.5	1.6	<0.5	<2.5	--	--	--	--
01/26/96	173.91	168.13	5.78	<50	13	<0.5	<0.5	<0.5	<2.5	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-2 (cont)</b>													
05/08/96	173.91	166.76	7.15	<50	4.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	172.67	166.66	6.01	63	4.3	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	172.67	167.40	5.27	<50	1.6	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	172.67	166.74	5.93	<50	5.4	<0.5	0.8	<0.5	<2.5	--	--	--	--
07/22/97	172.67	166.53	6.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	172.67	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/11/98	172.67	167.95	4.72	<50	0.52	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	172.67	167.07	5.60	<50	1.1	1.2	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	172.67	166.33	6.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	172.67	166.59	6.08	120	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	172.67	167.41	5.26	67	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	172.67	167.71	4.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	172.67	165.33	7.34	<50	1.18	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	172.67	166.84	5.83	<50	4.29	0.907	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	172.67	167.24	5.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	172.67	166.81	5.86	100 <sup>2</sup>	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	172.67	166.76	5.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	172.67	166.69	5.98	82.8 <sup>3</sup>	0.825	<0.500	<0.500	<0.500	25.0	--	--	--	--
02/15/01	172.67	167.25	5.42	161 <sup>4</sup>	0.808	<0.500	<0.500	<0.500	30.3	--	--	--	--
05/31/01	172.67	166.91	5.76	120 <sup>2</sup>	3.0	<0.50	<0.50	<0.50	29/26 <sup>5</sup>	--	--	--	--
08/30/01 <sup>6</sup>	172.67	166.55	6.12	450	2.2	<0.50	<0.50	<0.50	--/27 <sup>5</sup>	--	--	--	--
11/29/01	172.67	167.29	5.38	250	1.3	<0.50	<0.50	<1.5	17	--	--	--	--
02/05/02	172.67	166.97	5.70	190	1.3	<0.50	<0.50	<1.5	7.5	--	--	--	--
05/16/02 <sup>8</sup>	172.67	166.63	6.04	230	0.87	<0.50	<0.50	<1.5	5.3	--	35	<2	640
08/15/02	172.67	166.73	5.94	200	2.7	<0.50	<0.50	<1.5	3.3	--	--	--	--
11/05/02	172.67	166.42	6.25	340	<0.50	<0.50	<0.50	<1.5	2.7	--	--	--	--
02/05/03	172.67	166.87	5.80	250	3.1	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	172.67	167.43	5.24	170	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03 <sup>11</sup>	172.67	166.68	5.99	200	2	<0.5	<0.5	<0.5	1	--	--	--	--
11/17/03 <sup>11</sup>	172.67	166.84	5.83	270	0.6	<0.5	<0.5	<0.5	2	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-2 (cont)</b>													
02/14/04 <sup>11</sup>	172.67	166.90	5.77	310	0.5	<0.5	<0.5	<0.5	2	--	--	--	--
04/27/04 <sup>11</sup>	172.67	166.57	6.10	340	<0.5	<0.5	<0.5	<0.5	3	--	--	--	--
08/17/04 <sup>11</sup>	172.67	166.67	6.00	270	2	<0.5	<0.5	<0.5	2	--	--	--	--
<b>MW-3</b>													
10/29/93	172.60	164.96	7.64	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	2.0	<0.5	220
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	1.6	<0.5	320
11/11/94	172.60	165.73	6.87	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
02/01/95	172.60	167.03	5.57	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--
08/22/95	172.60	165.35	7.25	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--
01/26/96	172.60	167.35	5.25	160	<2.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	172.60	165.55	7.05	--	--	--	--	--	--	--	--	--	--
10/03/96	170.47	165.29	5.18	150	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	170.47	166.27	4.20	88	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	170.47	165.37	5.10	--	--	--	--	--	--	--	--	--	--
07/22/97	170.47	165.15	5.32	180	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	170.47	165.12	5.35	--	--	--	--	--	--	--	--	--	--
02/11/98	170.47	167.47	3.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	170.47	165.96	4.51	--	--	--	--	--	--	--	--	--	--
08/07/98	170.47	165.26	5.21	110	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	170.47	165.35	5.12	--	--	--	--	--	--	--	--	--	--
03/02/99	170.47	166.19	4.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	170.47	165.82	4.65	--	--	--	--	--	--	--	--	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	F (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-3 (cont)</b>													
08/24/99	170.47	164.76	5.71	352	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	170.47	164.64	5.83	--	--	--	--	--	--	--	--	--	--
02/03/00	170.47	165.55	4.92	140	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	170.47	165.54	4.93	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
07/28/00	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
11/13/00	170.47	165.29	5.18	--	--	--	--	--	--	--	--	--	--
02/15/01	170.47	166.10	4.37	310 <sup>4</sup>	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	170.47	165.62	4.85	230 <sup>2</sup>	<1.0	<1.0	<1.0	<1.0	5.2/2.4 <sup>5</sup>	--	--	--	--
08/30/01	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
11/29/01	170.47	166.12	4.35	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
02/05/02	170.47	165.63	4.84	360	<0.50	<0.50	<0.50	<1.5	2.8	--	--	--	--
05/16/02 <sup>9</sup>	170.47	165.37	5.10	340	<0.50	<0.50	<0.50	<1.5	3.4	--	37	<2	990
08/15/02	170.47	164.91	5.56	370	<0.50	<0.50	<0.50	<1.5	3.1	--	--	--	--
11/05/02	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
02/05/03	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
05/07/03	170.47	166.44	4.03	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
08/05/03 <sup>11</sup>	170.47	165.37	5.10	350	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
11/17/03	170.47	165.52	4.95	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
02/14/04	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--
04/27/04	170.47	165.39	5.08	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--
08/17/04 <sup>11</sup>	170.47	165.34	5.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
<b>MW-4</b>													
10/29/93	170.68	165.18	5.50	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	1,700	130	1.4	100	11	--	22	59	13	180
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	800	17	3.5	9.3	4.4	--	25	53	22	510

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-4 (cont)</b>													
11/11/94	170.68	165.46	5.22	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	1,600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	1,300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	320	3.3	<0.5	4.1	<0.5	27	--	--	--	--
01/26/96	170.68	166.40	4.28	1,400	65	<2.5	98	71	100	--	--	--	--
05/08/96	170.68	165.33	5.35	610	28	1.2	58	4.4	70	--	--	--	--
10/03/96	171.70	165.48	6.22	210	4.2	<0.5	<0.5	<0.5	12	--	--	--	--
02/04/97	171.70	166.57	5.13	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	--
04/30/97	171.70	165.60	6.10	870	49	<2.0	100	<2.0	18	--	--	--	--
07/22/97	171.70	165.36	6.34	420	16	<0.5	23	<0.5	9.4	--	--	--	--
11/03/97	171.70	165.35	6.35	370	8.1	0.54	10	7.6	30	--	--	--	--
02/11/98	171.70	167.16	4.54	<50	2.0	0.58	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	171.70	166.25	5.45	230	13	2.3	37	4.3	15	--	--	--	--
08/07/98	171.70	166.57	5.13	85	4.8	<0.5	11	0.87	57	--	--	--	--
11/05/98	171.70	165.31	6.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	171.70	166.65	5.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	171.70	166.40	5.30	<50	0.9	<0.5	0.843	<0.5	<5.0	--	--	--	--
08/24/99	171.70	164.35	7.35	<50	0.893	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	171.70	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
02/03/00	171.70	166.35	5.35	<50	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--
05/03/00	171.70	165.72	5.98	110 <sup>2</sup>	1.1	<0.50	0.51	<0.50	12	--	--	--	--
07/28/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING				--	--	--	--	--	--	--	--
11/13/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING				--	--	--	--	--	--	--	--
02/15/01	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING				--	--	--	--	--	--	--	--
05/31/01	171.70	166.62	5.08	<50	0.63	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>5</sup>	--	--	--	--
08/30/01 <sup>6</sup>	171.70	165.30	6.40	560	3.6	<0.50	21	1.3	--/<5.0 <sup>5</sup>	--	--	--	--
11/29/01	171.70	166.05	5.65	210	1.5	<0.50	6.6	<1.5	<5.0	--	--	--	--
02/05/02	171.70	165.83	5.87	71	<0.50	<0.50	1.0	<1.5	<2.5	--	--	--	--
05/16/02 <sup>10</sup>	171.70	165.49	6.21	160	<0.50	<0.50	<0.50	<1.5	4.9	--	46	<2	420
08/15/02	171.70	165.49	6.21	150	2.8	<0.50	2.5	<1.5	2.5	--	--	--	--
11/05/02	171.70	165.24	6.46	290	<0.50	<0.50	<0.50	<1.5	6.5	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>MW-4 (cont)</b>													
02/05/03	171.70	165.64	6.06	68	1.2	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	171.70	166.68	5.02	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03 <sup>11</sup>	171.70	165.45	6.25	88	0.7	<0.5	2	<0.5	<0.5	--	--	--	--
11/17/03 <sup>11</sup>	171.70	165.54	6.16	80	0.9	<0.5	0.9	<0.5	0.9	--	--	--	--
02/14/04 <sup>11</sup>	171.70	165.70	6.00	63	<0.5	<0.5	<0.5	<0.5	0.7	--	--	--	--
04/27/04 <sup>11</sup>	171.70	165.40	6.30	200	<0.5	<0.5	<0.5	<0.5	5	--	--	--	--
08/17/04 <sup>11</sup>	171.70	165.52	6.18	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
<b>TRIP BLANK</b>													
02/25/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
01/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
07/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/11/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (ft.)	GWE (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
<b>TRIP BLANK (cont)</b>													
02/03/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
02/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
08/30/01 <sup>6</sup>	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	--/ <5.0 <sup>5</sup>	--	--	--	--
<b>QA</b>													
11/29/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02	--	--	--	<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	--	--	--	--
11/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
08/05/03 <sup>11</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
11/17/03 <sup>11</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
02/14/04 <sup>11</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
04/27/04 <sup>11</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
08/17/04 <sup>11</sup>	--	--	--	-- <sup>12</sup>	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

**EXPLANATIONS:**

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

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

1,2-DCE = 1,2-Dichloroethene

TCE = Trichloroethene

DCFM = Dichlorodifluoromethane

PCE = Tetrachloroethene

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

<sup>1</sup> No value for MTBE could be determined: see lab report.

<sup>2</sup> Laboratory report indicates discrete peaks.

<sup>3</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.

<sup>4</sup> Laboratory report indicates single analyte peak(s) are present in the requested fuel quantitation range. Fuel hydrocarbon is not present.

<sup>5</sup> MTBE by EPA Method 8260.

<sup>6</sup> TPH-G and BTEX by EPA Method 8260.

<sup>7</sup> Analyses for trans-1,2-DCE was detected at 3 ppb, and cis-1,2-DCE was detected at 9 ppb.

<sup>8</sup> Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 10 ppb.

<sup>9</sup> Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 8 ppb.

<sup>10</sup> Analyses for trans-1,2-DCE was <1 ppb, and cis-1,2-DCE was detected at 28 ppb.

<sup>11</sup> BTEX and MTBE by EPA Method 8260.

<sup>12</sup> Laboratory indicates insufficient volume to analyze for TPH-G.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Former Chevron Service Station #9-4930  
 3369 Castro Valley Boulevard  
 Castro Valley, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/31/01	<1,000	<500	<20	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
	08/05/03	--	--	--	4	--	--	--	--	--
	11/17/03	--	--	--	3	--	--	--	--	--
	02/14/04	--	--	--	3	--	--	--	--	--
	04/27/04	--	--	--	5	--	--	--	--	--
	08/17/04	--	--	--	4	--	--	--	--	--
MW-2	05/31/01	<1,000	<500	<20	26	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	27	--	--	--	--	--
	08/05/03	--	--	--	1	--	--	--	--	--
	11/17/03	--	--	--	2	--	--	--	--	--
	02/14/04	--	--	--	2	--	--	--	--	--
	04/27/04	--	--	--	3	--	--	--	--	--
	08/17/04	--	--	--	2	--	--	--	--	--
MW-3	05/31/01	<1,000	<500	<20	2.4	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	INACCESSIBLE - TRUCK PARKED OVER WELL					--	--	--	--
	08/05/03	--	--	--	5	--	--	--	--	--
	11/17/03	SAMPLED SEMI-ANNUALLY					--	--	--	--
	08/17/04	--	--	--	<0.5	--	--	--	--	--
MW-4	05/31/01	<1,000	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
	08/05/03	--	--	--	<0.5	--	--	--	--	--
	11/17/03	--	--	--	0.9	--	--	--	--	--

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
 Former Chevron Service Station #9-4930  
 3369 Castro Valley Boulevard  
 Castro Valley, California

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-4	02/14/04	--	--	--	0.7	--	--	--	--	--
(cont)	04/27/04	--	--	--	5	--	--	--	--	--
	08/17/04	--	--	--	<0.5	--	--	--	--	--

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron Service Station #9-4930  
3369 Castro Valley Boulevard  
Castro Valley, California

---

**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 = Ethylene dibromide  
(ppm) = Parts per million  
(ppb) = Parts per billion  
-- = Not Analyzed

**ANALYTICAL METHODS:**

EPA Method 8015 (Modified) for Methanol  
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 #9-4930 Job Number: 386509  
 Site Address: 3369 Castro Valley Blvd. Event Date: 8.17.04 (inclusive)  
 City: Castro Valley, CA Sampler: Joe

Well ID: MW-1 Date Monitored: 8.17.04 Well Condition: OK see comments  
 Well Diameter: 2 in.  
 Total Depth: 18.23 ft.  
 Depth to Water: 7.17 ft.  
11.06 xVF 0.17 = 1.89 x3 case volume = Estimated Purge Volume: 5.5 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 Completed: \_\_\_\_\_ (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): 0715 Weather Conditions: clear  
 Sample Time/Date: 0740 / 8-17-04 Water Color: clear Odor: none  
 Purging Flow Rate: 0.3 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) <sup>182</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0723</u>	<u>1.5</u>	<u>7.47</u>	<u>5.10</u>	<u>65.1</u>	_____	_____
<u>0726</u>	<u>3</u>	<u>7.40</u>	<u>4.32</u>	<u>65.7</u>	_____	_____
<u>0730</u>	<u>5.5</u>	<u>7.46</u>	<u>4.35</u>	<u>65.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

COMMENTS: See enclosed picture of broken/missing flanges.

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509  
 Site Address: 3369 Castro Valley Blvd. Event Date: 8-17-04 (inclusive)  
 City: Castro Valley, CA Sampler: Joe

Well ID: MW-2 Date Monitored: 8-17-04 Well Condition: ~~OK~~ See comments  
 Well Diameter: 2 in.  
 Total Depth: 16.41 ft.  
 Depth to Water: 6.03 ft.  
10.41 xVF 0.17 = 1.78 x3 case volume = Estimated Purge Volume: 5.5 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 Completed: \_\_\_\_\_ (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): 0630 Weather Conditions: clear  
 Sample Time/Date: 0702 x 8-17-04 Water Color: clear Odor: none  
 Purging Flow Rate: 0.9 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) x 10 <sup>2</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0637</u>	<u>1.5</u>	<u>7.12</u>	<u>2.87</u>	<u>64.2</u>	_____	_____
<u>0643</u>	<u>3</u>	<u>7.19</u>	<u>3.02</u>	<u>64.1</u>	_____	_____
<u>0648</u>	<u>5.5</u>	<u>7.21</u>	<u>3.12</u>	<u>64.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

COMMENTS: See enclosed picture of broken/missing flanges.

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509  
 Site Address: 3369 Castro Valley Blvd. Event Date: 8-17-04 (inclusive)  
 City: Castro Valley, CA Sampler: See

Well ID: MW-3 Date Monitored: 8-17-04 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 17.46 ft.  
 Depth to Water: 5.13 ft.  
12.33 xVF 0.17 = 2.10 x3 case volume = Estimated Purge Volume: 6.5 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 Completed: \_\_\_\_\_ (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): 0751 Weather Conditions: Clear  
 Sample Time/Date: 0816, 18-17-04 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 (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0803</u>	<u>2</u>	<u>7.29</u>	<u>4.91</u>	<u>71.0</u>		
<u>0805</u>	<u>4</u>	<u>7.38</u>	<u>4.90</u>	<u>69.6</u>		
<u>0807</u>	<u>6.5</u>	<u>7.30</u>	<u>4.68</u>	<u>70.2</u>		

### LABORATORY INFORMATION

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

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

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509  
 Site Address: 3369 Castro Valley Blvd. Event Date: 8-17-04 (inclusive)  
 City: Castro Valley, CA Sampler: Joe

Well ID: MW-4 Date Monitored: 8-17-04 Well Condition: ~~OK~~ See comment  
 Well Diameter: 2 in.  
 Total Depth: 17.75 ft.  
 Depth to Water: 6.18 ft.  
11.57 xVF @ 0.17 = 1.97 x3 case volume = Estimated Purge Volume: 6 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 Completed: \_\_\_\_\_ (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): 0825 Weather Conditions: clear  
 Sample Time/Date: 0850 18-17-04 Water Color: clear Odor: none  
 Purging Flow Rate: 0.5 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>0833</u>	<u>2</u>	<u>7.41</u>	<u>3.46</u>	<u>64.9</u>	_____	_____
<u>0837</u>	<u>4</u>	<u>7.37</u>	<u>3.50</u>	<u>65.0</u>	_____	_____
<u>0841</u>	<u>6</u>	<u>7.43</u>	<u>3.54</u>	<u>64.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

COMMENTS: See enclosed picture of bucket/missing 4 larger.

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

# Chevron California Region Analysis Request/Chain of Custody



081904-10  
Cambria MTI Project # 61D-1967

For Lancaster Laboratories use only  
Acct. #: 10904    Sample #: 4335375-79    SCR#: 908759

Facility #: SS#9-4930 G-R#386509 Global ID#T0600100137  
 Site Address: 3369 CASTRO VALLEY BLVD., CASTRO VALLEY, CA  
 Chevron PMTI \_\_\_\_\_ Lead Consultant: CAMBRIA  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)  
 Consultant Phone: #925-551-7555 Fax: #925-551-7899  
 Sampler: JOE ASEMIAN  
 Service Order #: \_\_\_\_\_  Non SAR:

### Analyses Requested

Matrix		Preservation Codes																				
Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE	8260	8021	TPH	8015	MOD	GRO	TPH	8015	MOD	DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead	7420	7421	
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
				6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
				6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															
				6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>															

**Preservative Codes**  
 H = HCl    T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>    O = Other

- J value reporting needed
- Must meet lowest detection limits possible for 8260 compounds
- 8021 MTBE Confirmation
- Confirm highest hit by 8260
- Confirm all hits by 8260
- Run \_\_\_ oxy s on highest hit
- Run \_\_\_ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE	8260	8021	TPH	8015	MOD	GRO	TPH	8015	MOD	DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead	7420	7421
QA			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
MW-1	8-17-04	0740	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
MW-2		0702	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
MW-3		0816	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														
MW-4		0850	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>														

**Comments / Remarks**  
 Only one vial received for QA.  
 Only analyze QA for BTEX/MTBE by 8260.  
 MM 8/23

**Turnaround Time Requested (TAT)** (please circle)  
 STD. TAT: 24 hour, 72 hour, 48 hour, 4 day, 5 day  
**Data Package Options** (please circle if required)  
 QC Summary Type I — Full  
 Type VI (Raw Data)  Coelt Deliverable not needed  
 WIP (RWQCB) **EDF/EDD**  
 Disk

Relinquished by: <i>[Signature]</i>	Date: 8-17-04	Time: 1310	Received by: <i>[Signature]</i>	Date: 8/19/04	Time: 1020
Relinquished by: <i>[Signature]</i>	Date: 8/19/04	Time: 1230	Received by: <i>[Signature]</i>	Date: 8/19/04	Time: 1230
Relinquished by: <i>[Signature]</i>	Date: 8/19/04	Time: 1630	Received by: DHL	Date: 8/17/04	Time: [ ]
Relinquished by Commercial Carrier: UPS	FedEx	Other: <input checked="" type="checkbox"/>	Received by: <i>[Signature]</i>	Date: 8/20/04	Time: 0845
Temperature Upon Receipt: 15.4 °C			Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		



# Analysis Report

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

## 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

## SAMPLE GROUP

The sample group for this submittal is 908759. Samples arrived at the laboratory on Friday, August 20, 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-040817	NA	Water	4335375
MW-1-W-040817	Grab	Water	4335376
MW-2-W-040817	Grab	Water	4335377
MW-3-W-040817	Grab	Water	4335378
MW-4-W-040817	Grab	Water	4335379

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](http://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



Lancaster Laboratories Sample No. WW 4335375

QA-T-040817 NA Water  
 Facility# 94930 Job# 386509 MTI# 61D-1967 GRD  
 3369 Castro Valley Castro T0600100137 QA  
 Collected: 08/17/2004

Account Number: 10904

Submitted: 08/20/2004 08:45  
 Reported: 08/29/2004 at 16:14  
 Discard: 09/29/2004

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

37-TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/26/2004 18:42	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2004 18:42	Anita M Dale	n.a.

Lancaster Laboratories Sample No. **WW 4335376**

MW-1-W-040817                      Grab              Water  
 Facility# 94930    Job# 386509    MTI# 61D-1967    GRD  
 3369 Castro Valley Castro T0600100137    MW-1  
 Collected: 08/17/2004 07:40              by JA

Account Number: 10904

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

Submitted: 08/20/2004 08:45  
 Reported: 08/29/2004 at 16:14  
 Discard: 09/29/2004

37--1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	99.	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.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	4.	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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/24/2004 05:05	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/26/2004 19:08	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/24/2004 05:05	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2004 19:08	Anita M Dale	n.a.



# Analysis Report

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Lancaster Laboratories Sample No. WW 4335377

MW-2-W-040817 Grab Water  
 Facility# 94930 Job# 386509 MTI# 61D-1967 GRD  
 3369 Castro Valley Castro T0600100137 MW-2  
 Collected: 08/17/2004 07:02 by JA

Account Number: 10904

Submitted: 08/20/2004 08:45  
 Reported: 08/29/2004 at 16:14  
 Discard: 09/29/2004

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

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CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	270.	Detection Limit 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.						
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5	ug/l	1
05401	Benzene	71-43-2	2.	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 Method	1	08/24/2004 05:36	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/26/2004 19:34	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/24/2004 05:36	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2004 19:34	Anita M Dale	n.a.



# Analysis Report

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Lancaster Laboratories Sample No. WW 4335378

MW-3-W-040817 Grab Water  
 Facility# 94930 Job# 386509 MTI# 61D-1967 GRD  
 3369 Castro Valley Castro T0600100137 MW-3  
 Collected: 08/17/2004 08:16 by JA

Account Number: 10904

Submitted: 08/20/2004 08:45  
 Reported: 08/29/2004 at 16:14  
 Discard: 09/29/2004

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

37--3

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
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.	Detection Limit 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	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/24/2004 06:06	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/26/2004 20:00	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/24/2004 06:06	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/26/2004 20:00	Anita M Dale	n.a.

Lancaster Laboratories Sample No. WW 4335379

MW-4-W-040817 Grab Water  
 Facility# 94930 Job# 386509 MTI# 61D-1967 GRD  
 3369 Castro Valley Castro T0600100137 MW-4  
 Collected: 08/17/2004 08:50 by JA

Account Number: 10904

Submitted: 08/20/2004 08:45  
 Reported: 08/29/2004 at 16:14  
 Discard: 09/29/2004

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

37--4

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.						
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/24/2004 06:37	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/27/2004 04:58	Marc S Neal	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/24/2004 06:37	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/27/2004 04:58	Marc S Neal	n.a.

## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 08/29/04 at 04:14 PM

Group Number: 908759

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: 04236A16A TPH-GRO - Waters	Sample number(s): 4335376-4335379							
	N.D.	50.	ug/l	94	94	70-130	0	30
Batch number: Z042392AA Methyl Tertiary Butyl Ether	Sample number(s): 4335375-4335378							
Benzene	N.D.	0.5	ug/l	93		77-127		
Toluene	N.D.	0.5	ug/l	94		85-117		
Ethylbenzene	N.D.	0.5	ug/l	94		85-115		
Xylene (Total)	N.D.	0.5	ug/l	94		82-119		
	N.D.	0.5	ug/l	92		83-113		
Batch number: Z042394AA Methyl Tertiary Butyl Ether	Sample number(s): 4335379							
Benzene	N.D.	0.5	ug/l	92		77-127		
Toluene	N.D.	0.5	ug/l	88		85-117		
Ethylbenzene	N.D.	0.5	ug/l	88		85-115		
Xylene (Total)	N.D.	0.5	ug/l	88		82-119		
	N.D.	0.5	ug/l	87		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: 04236A16A TPH-GRO - Waters	Sample number(s): 4335376-4335379								
	113		63-154						
Batch number: Z042392AA Methyl Tertiary Butyl Ether	Sample number(s): 4335375-4335378								
Benzene	93	88	69-134	2	30				
Toluene	95	93	83-128	1	30				
Ethylbenzene	95	93	83-127	2	30				
Xylene (Total)	96	95	82-129	1	30				
	93	92	82-130	2	30				
Batch number: Z042394AA Methyl Tertiary Butyl Ether	Sample number(s): 4335379								
Benzene	96	96	69-134	0	30				
Toluene	94	94	83-128	0	30				
Ethylbenzene	98	99	83-127	2	30				
Xylene (Total)	98	100	82-129	2	30				
	96	97	82-130	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: 08/29/04 at 04:14 PM

Group Number: 908759

### Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04236A16A  
 Trifluorotoluene-F

4335376	107
4335377	117
4335378	110
4335379	108
Blank	108
LCS	110
LCSD	112
MS	117

Limits: 57-146

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: Z042392AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4335375	101	105	98	96
4335376	102	104	96	95
4335377	98	102	95	94
4335378	101	104	98	96
Blank	100	104	99	95
LCS	98	101	99	100
MS	100	103	99	99
MSD	100	104	100	100

Limits: 81-120      82-112      85-112      83-113

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: Z042394AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4335379	103	104	98	95
Blank	101	105	98	96
LCS	100	105	100	100
MS	100	104	100	99
MSD	99	103	101	100

Limits: 81-120      82-112      85-112      83-113

\*- 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

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<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.

Test 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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