



# GETTLER-RYAN INC.

## TRANSMITTAL

4249/20233

Site has requested closure.

JUL 22 2002

June 28, 2002

G-R #386473

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

CC: Ms. Karen Streich  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

RE: **Former Chevron Service Station  
#9-4612  
3616 San Leandro Street  
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 25, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 13, 2002

### COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **July 17, 2002**, 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. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
- Mr. Leonard B. Ratto, Ratto Land Company, P.O. Box 6104, Oakland, CA 94603-0104
- Mr. Terry McIlraith, 407 Castello Road, Lafayette, CA 94549

Enclosures

trans/9-4612-ks



# GETTLER-RYAN INC.

June 25, 2002  
G-R Job #386473

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

JUL 22 2002

**RE: Second Quarter Event of May 13, 2002**  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

Dear Ms. Streich:

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

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. Dissolved Oxygen Concentrations are presented in Table 2. 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.

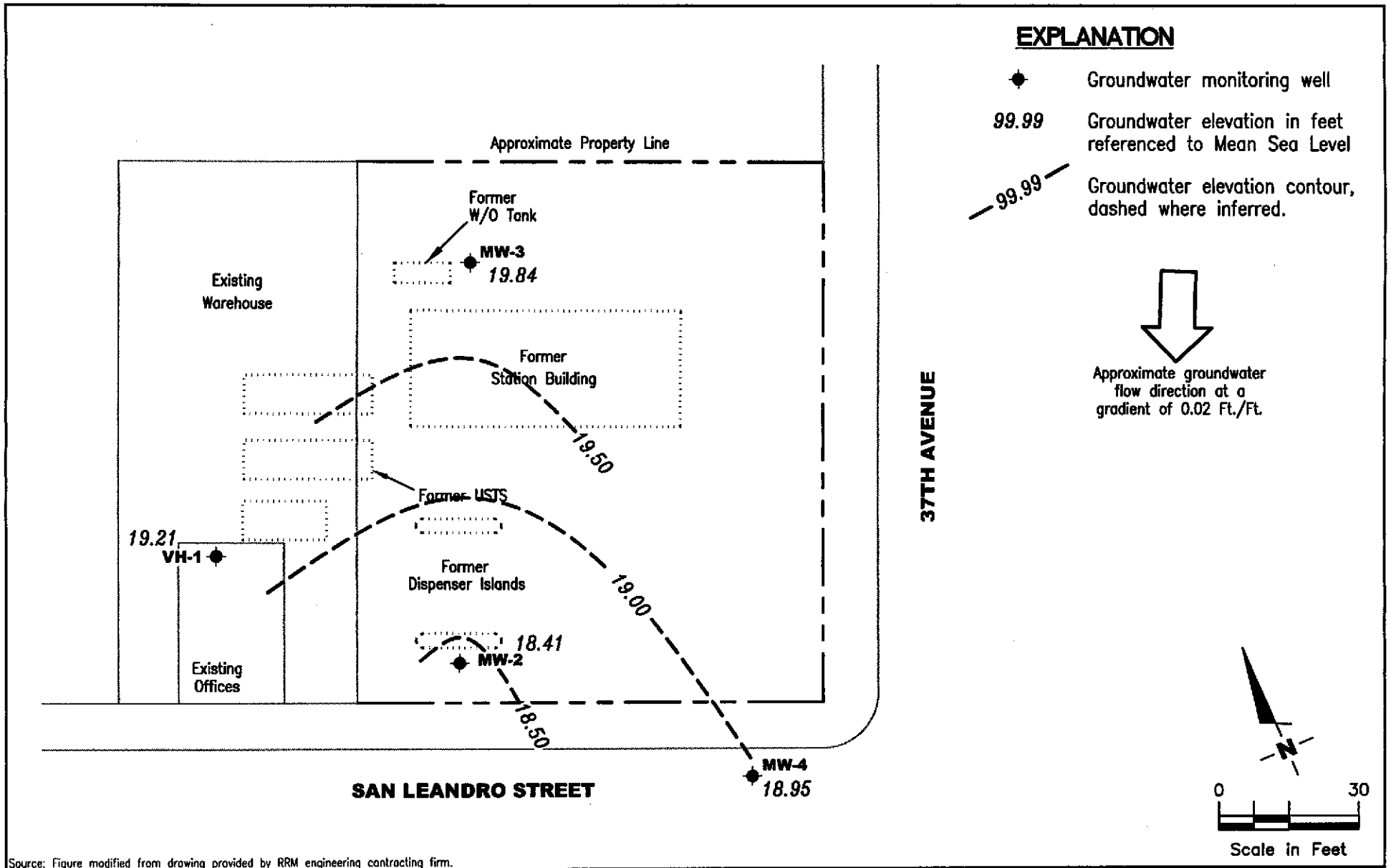
Sincerely,

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: Dissolved Oxygen Concentrations
- Table 3: Groundwater Analytical Results - Oxygenate Compounds
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



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

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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station #9-4612  
 3616 San Leandro Street  
 Oakland, California

FIGURE  
**1**

PROJECT NUMBER  
**386473**

REVIEWED BY

DATE  
 May 13, 2002

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>VH-1</b>											
08/10/88	--	--	13.00	--	11,000	3,300	200	520	540	--	--
06/01/89	--	--	10.32	--	15,000	2,200	120	540	310	--	--
09/15/89	--	--	15.69	--	5,600	1,900	90	350	160	--	--
12/08/89	--	--	14.77	--	11,000	1,900	69	270	99	--	--
03/07/91	--	--	11.26	--	4,500	820	39	120	77	--	--
09/24/91	--	--	12.98	--	3,300	520	19	39	27	--	--
01/08/92	--	--	13.77	--	5,000	600	34	81	76	--	--
04/20/92	--	--	8.18	--	7,400	670	60	110	140	--	--
03/26/93	27.85	21.14	6.71	--	4,900	600	40	72	94	--	--
05/27/93	27.85	19.27	8.58	--	13,000	1,600	120	230	220	--	--
08/18/93	27.85	17.39	10.46	--	2,700	210	10	8.1	18	--	--
11/03/93	27.85	15.28	12.57	--	4,600	680	42	35	68	--	--
02/10/94	27.85	18.77	9.08	--	1,900	260	19	22	29	--	--
05/12/94	27.85	19.76	8.09	--	2,000	390	28	3.9	29	--	--
08/26/94	27.85	17.10	10.75	--	4,900	500	<5.0	23	31	--	--
11/14/94	27.85	18.40	9.45	300	760	69	<2.0	<2.0	2.2	--	--
02/01/95	27.85	21.88	5.97	--	1,300	120	5.9	<0.5	13	--	--
05/12/95	27.85	20.14	7.71	--	4,400	460	31	45	49	--	--
08/22/95	27.85	18.59	9.26	--	2,900	310	15	28	32	--	--
12/19/95	27.85	19.05	8.80	--	930	53	<2.5	<2.5	<2.5	39	--
01/31/96	27.85	22.35	5.50	--	3,700	320	<10	41	40	180	--
04/30/96	27.85	19.81	8.04	--	3,900	270	<20	<20	<20	120	--
08/01/96	27.85	18.67	9.18	--	2,700	140	11	18	28	200	--
10/30/96	27.85	18.67	10.76	--	2,700	140	<12	<12	<12	280	--
02/07/97	27.85	19.75	8.10	--	220	13	0.6	<0.5	1.6	15	--
05/07/97	27.85	18.33	9.52	--	5,200	33	12	21	26	330	--
07/22/97	27.85	17.43	10.42	--	4,200	80	<10	16	24	400	--
11/03/97	27.85	16.85	11.00	--	2,400	150	6.8	6.5	9.5	510	--
01/28/98	27.85	20.75	7.10	--	850	69	4.8	5.0	11	38/48 <sup>12</sup>	--
05/08/98	27.85	20.14	7.71	--	4,200	200	30	40	42	310/200 <sup>12</sup>	--
07/29/98	27.85	18.40	9.45	--	3,800	54	10	27	30	35/290 <sup>12</sup>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>VH-1 (cont)</b>											
11/06/98	27.85	17.15	10.70	--	4,800	100	20	12	23	360/210 <sup>12</sup>	--
02/09/99 <sup>5</sup>	27.85	21.87	5.98	--	2,950	79.5	<10	<10	<10	435/312 <sup>12</sup>	--
05/13/99	27.85	19.71	8.14	--	4,180	147	12.8	16.5	20.3	433245 <sup>12</sup>	--
09/07/99	27.85	17.94	9.91	--	2,750	57.6	<5.0	6.53	<5.0	297/233 <sup>12</sup>	--
11/24/99	27.85	17.36	10.49	--	2,550	38	3.18	2.54	5.21	--/216 <sup>1,12</sup>	--
02/25/00	27.85	21.20	6.65	--	120	2.7	<0.5	<0.5	<0.5	20.5/11.9 <sup>12</sup>	--
05/10/00	27.85	19.76	8.09	--	1,400 <sup>8</sup>	63	3.3	3.1	4.9	230/110 <sup>12</sup>	--
7/31/00 <sup>11</sup>	27.85	18.30	9.55	--	360 <sup>8</sup>	22	2.7	1.6	3.1	100/88 <sup>12</sup>	--
10/30/00 <sup>11</sup>	27.85	17.91	9.94	--	987 <sup>10</sup>	47.0	1.00	<0.500	1.80	153/130 <sup>12</sup>	--
02/05/01	27.91	19.23	8.68	--	2,670	42.7	<5.00	<5.00	<5.00	225/160 <sup>12</sup>	--
05/07/01 <sup>11</sup>	27.91	19.61	8.30	--	1,800 <sup>6</sup>	100	8.2	10	7.9	440/110 <sup>12</sup>	--
08/06/01 <sup>11</sup>	27.91	18.09	9.82	--	1,000 <sup>6</sup>	67	6.1	2.1	7.1	270/140 <sup>12</sup>	--
11/12/01 <sup>11</sup>	27.91	17.29	10.62	--	220	1.2	<0.50	<0.50	<1.5	63/61 <sup>12</sup>	--
02/11/02 <sup>11</sup>	27.91	19.83	8.08	--	1,700	33	<5.0	6.3	3.8	64/52 <sup>12</sup>	--
05/13/02 <sup>11</sup>	27.91	19.21	8.70	--	2,700	54	4.1	5.6	6.2	100/80 <sup>12</sup>	--
<b>MW-2</b>											
02/16/93	27.51	--	--	--	9,200	720	110	250	170	--	--
03/26/93	27.51	19.89	7.62	--	--	--	--	--	--	--	--
05/27/93	27.51	18.04	9.47	--	360	5.3	2.1	1.8	2.5	--	--
08/18/93	27.51	16.46	11.05	--	9,400	1,100	76	110	100	--	--
11/03/93	27.51	14.56	12.95	--	8,600	390	20	2.7	120	--	--
02/10/94	27.51	17.72	9.79	--	2,700	370	38	44	41	--	--
05/12/94	27.51	18.59	8.92	--	3,800	650	76	15	62	--	--
08/26/94	27.51	16.14	11.37	--	16,000	1,300	270	28	120	--	--
11/14/94	27.51	17.48	10.03	--	5,100	390	10	43	27	--	--
02/01/95	27.51	20.47	7.04	--	6,900	520	82	170	110	--	--
05/12/95	27.51	18.76	8.75	--	7,700	510	83	110	100	--	--
08/22/95	27.51	17.35	10.16	--	4,500	220	16	61	47	--	--
12/19/95	27.51	18.05	9.46	--	2,900	240	<10	19	18	220	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* ( <i>ft.</i> )	GWE ( <i>msl</i> )	DTW ( <i>ft.</i> )	TPH-D ( <i>ppb</i> )	TPH-G ( <i>ppb</i> )	B ( <i>ppb</i> )	T ( <i>ppb</i> )	E ( <i>ppb</i> )	X ( <i>ppb</i> )	MTBE ( <i>ppb</i> )	TOG ( <i>ppb</i> )
<b>MW-2 (cont)</b>											
01/31/96	27.51	21.91	5.60	--	3,900	320	18	72	39	<25	--
04/30/96	27.51	18.68	8.83	--	5,600	200	36	55	47	170	--
08/01/96	27.51	17.25	10.26	--	6,200	190	15	62	59	220	--
10/30/96	27.51	17.25	11.48	--	5,700	190	<25	67	36	260	--
02/07/97	27.51	18.11	9.40	--	8,300	210	34	70	59	330	--
05/07/97	27.51	17.57	9.94	--	6,900	190	12	38	37	530	--
07/22/97	27.51	16.36	11.15	--	10,000	18	25	62	41	630	--
11/03/97	27.51	15.93	11.58	--	6,500	260	8.5	26	14	590/9.6 <sup>4,12</sup>	--
01/28/98	27.51	19.38	8.13	--	6,700	65	13	67	54	280/94 <sup>12</sup>	--
05/08/98	27.51	18.89	8.62	--	5,500	91	38	43	61	220/62 <sup>12</sup>	--
07/29/98	27.51	17.06	10.45	--	3,600	41	8.9	3.6	14	16/94 <sup>12</sup>	--
11/06/98	27.51	15.89	11.62	--	6,900	77	<5.0	14	17	290/110 <sup>12</sup>	--
02/09/99 <sup>5</sup>	27.51	20.61	6.90	--	8,070	75.6	<10	<10	<10	397/144 <sup>12</sup>	--
05/13/99	27.51	18.21	9.30	--	5,890	120	<5.0	12.5	26.6	401/69.4 <sup>12</sup>	--
09/07/99	27.51	16.57	10.94	--	5,820	41.2	<5.0	14.6	<5.0	260/145 <sup>12</sup>	--
11/24/99	27.51	15.98	11.53	--	5,940	40.9	<10	10.8	<10	--/120 <sup>1,12</sup>	--
02/25/00	27.51	21.00	6.51	--	6,370	101	9.37	39.8	33.2	321/121 <sup>12</sup>	--
05/10/00	27.51	18.49	9.02	--	6,100 <sup>8</sup>	110	13	27	31	560/120 <sup>12</sup>	--
07/31/00 <sup>11</sup>	27.51	17.18	10.33	--	3,000 <sup>8</sup>	75	14	28	28	200/130 <sup>12</sup>	--
10/30/00 <sup>11</sup>	27.51	16.95	10.56	--	6,810 <sup>10</sup>	162	<5.00	8.05	<15.0	372/140 <sup>12</sup>	--
02/05/01 <sup>11</sup>	28.05	18.47	9.58	--	5,860	28.4	6.86	16.2	11.8	285/140 <sup>12</sup>	--
05/07/01 <sup>11</sup>	28.05	18.85	9.20	--	4,700 <sup>6</sup>	120	15	30	42	540/88 <sup>12</sup>	--
08/06/01 <sup>11</sup>	28.05	17.31	10.74	--	3,700 <sup>6</sup>	120	<20	28	33	490/110 <sup>12</sup>	--
11/12/01 <sup>11</sup>	28.05	16.60	11.45	--	7,000	29	<10	27	22	93/98 <sup>12</sup>	--
02/11/02 <sup>11</sup>	28.05	18.99	9.06	--	5,900	43	15	24	27	90/86 <sup>12</sup>	--
05/13/02 <sup>11</sup>	28.05	18.41	9.64	--	5,500	26	5.2	23	26	120/47 <sup>12</sup>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-3</b>											
02/16/93	28.50	--	--	--	3,500	<0.5	8.1	4.6	7.7	--	--
03/26/93	28.50	21.32	7.18	--	--	--	--	--	--	--	--
05/27/93	28.50	19.17	9.33	--	4,200	580	84	150	100	--	--
08/18/93	28.50	16.50	12.00	1,400	910	12	3.7	6.2	3.8	--	<5,000
11/03/93	28.50	15.21	13.29	--	5,300	29	1.9	0.6	27	--	--
02/10/94	28.50	18.87	9.63	<50	63	<0.5	0.7	<0.5	<0.5	--	--
05/12/94	28.50	19.73	8.77	84	<50	<0.5	0.5	<0.5	<0.5	--	--
08/26/94	28.50	17.08	11.42	--	2,100	12	<0.5	5.0	0.5	--	--
11/14/94	28.50	18.43	10.07	--	140	0.78	<0.5	<0.5	<0.5	--	--
02/01/95	28.50	22.21	6.29	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	28.50	20.43	8.07	540 <sup>2</sup>	330	13	1.1	1.9	0.69	--	--
08/22/95	28.50	18.55	9.95	550 <sup>2</sup>	980	32	<1.0	<1.0	<1.0	--	--
12/19/95	28.50	19.10	9.40	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	28.50	23.45	5.05	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	28.50	20.10	8.40	240 <sup>2</sup>	320	2.4	<0.5	0.75	<0.5	7.8	--
08/01/96	28.50	18.70	9.80	470 <sup>2</sup>	980	9.6	<0.5	0.98	2.2	54	--
10/30/96	28.50	18.70	11.48	760 <sup>2</sup>	2,000	14	<10	<10	<10	140	--
02/07/97	28.50	19.90	8.60	61 <sup>2</sup>	200 <sup>2</sup>	<0.5	<0.5	<0.5	<0.5	8.9	--
05/07/97	28.50	19.49	9.01	550 <sup>2</sup>	3,500	14	3.9	3.6	8.0	160	--
07/22/97	28.50	17.38	11.12	800 <sup>2</sup>	3,500	55	<10	<10	<10	150	--
11/03/97	28.50	16.99	11.51	910 <sup>2</sup>	4,100	140	<5.0	<5.0	<5.0	380	--
01/28/98	28.50	21.16	7.34	--	1,100	24	<1.2	<1.2	2.8	33/6.1 <sup>12</sup>	--
05/08/98	28.50	20.44	8.06	250 <sup>2</sup>	990	3.6	7.7	0.7	2.2	37/7.5 <sup>12</sup>	--
07/29/98	28.50	18.25	10.25	290 <sup>2</sup>	1,200	13	<0.5	<0.5	1.4	11/28 <sup>12</sup>	--
11/06/98	28.50	17.11	11.39	390 <sup>2</sup>	2,600	5.3	<2.5	<2.5	3.0	91/41 <sup>12</sup>	--
02/09/99 <sup>5</sup>	28.50	22.40	6.10	184 <sup>2</sup>	406	<1.0	4.03	<1.0	<1.0	17.7/1.97 <sup>12</sup>	--
05/13/99	28.50	19.38	9.12	--	615	13.8	1.05	<0.5	<0.5	43.5/21.2 <sup>12</sup>	--
09/07/99	28.50	17.77	10.73	528 <sup>2</sup>	2,710	<5.0	<5.0	<5.0	<5.0	96.3/57.9 <sup>12</sup>	--
11/24/99	28.50	17.37	11.13	1,070 <sup>2</sup>	5,530	<5.0	<5.0	5.59	<5.0	--/66 <sup>1,12</sup>	--
02/25/00	28.50	22.22	6.28	--	189	4.68	<0.5	<0.5	<0.5	11.9/<2.0 <sup>12</sup>	--
03/01/00	28.50	21.80	6.70	380 <sup>2</sup>	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-3 (cont)</b>											
05/10/00	28.50	19.90	8.60	830 <sup>7</sup>	1,600 <sup>6</sup>	22	<10	<10	<10	100/51 <sup>12</sup>	--
07/31/00 <sup>11</sup>	28.50	18.43	10.07	490 <sup>7</sup>	2,200 <sup>6</sup>	76	10	<5.0	13	230/52 <sup>12</sup>	--
10/30/00 <sup>11</sup>	28.50	17.97	10.53	580 <sup>9</sup>	3,320 <sup>10</sup>	<5.00	<5.00	<5.00	<15.0	147/64 <sup>12</sup>	--
02/05/01 <sup>11</sup>	29.04	19.78	9.26	--	3,960	<5.00	6.02	<5.00	<5.00	159/70 <sup>12</sup>	--
05/07/01 <sup>11</sup>	29.04	20.29	8.75	--	2,800 <sup>6</sup>	61	12	<10	20	230/49 <sup>12</sup>	--
05/10/01 <sup>11</sup>	29.04	20.21	8.83	390 <sup>13</sup>	--	--	--	--	--	--	--
08/06/01 <sup>11</sup>	29.04	18.59	10.45	870 <sup>7</sup>	1,600 <sup>6</sup>	39	14	1.3	5.6	130/43 <sup>12</sup>	--
11/12/01 <sup>11</sup>	29.04	17.82	11.22	1,400	3,100	3.6	23	2.3	5.6	40/46 <sup>12</sup>	--
02/11/02 <sup>11</sup>	29.04	20.66	8.38	700	4,000	10	<5.0	4.2	5.5	44/42 <sup>12</sup>	--
05/13/02 <sup>11</sup>	29.04	19.84	9.20	730	2,500	18	<5.0	<5.0	5.2	44/32 <sup>12</sup>	--
<b>MW-4</b>											
08/22/95	27.27	18.16	9.11	--	9,600	100	<10	<10	<10	--	--
12/19/95	27.27	18.97	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	27.27	21.67	5.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	27.27	20.27	7.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/01/96	27.27	18.12	9.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/30/96	27.27	18.12	10.74	--	110	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	27.27	19.47	7.80	--	80	<0.5	<0.5	<0.5	<0.5	4.1	--
05/07/97	27.27	21.42	5.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/22/97	27.27	17.22	10.05	--	150	<0.5	<0.5	<0.5	<0.5	<2.5	--
11/03/97	27.27	16.55	10.72	--	52	0.9	<0.5	<0.5	<0.5	-- <sup>3</sup>	--
01/28/98	27.27	20.76	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>12</sup>	--
05/08/98	27.27	20.25	7.02	--	56	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>12</sup>	--
07/29/98	27.27	18.32	8.95	--	<50	0.9	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>12</sup>	--
11/06/98	27.27	16.68	10.59	--	72	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>12</sup>	--
02/09/99	27.27	21.41	5.86	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0/<1.1 <sup>12</sup>	--
05/13/99	27.27	19.32	7.95	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 <sup>12</sup>	--
09/07/99	27.27	17.79	9.48	--	70.2	<0.5	<0.5	<0.5	<0.5	<2.0/<1.0 <sup>12</sup>	--
11/24/99	27.27	17.22	10.05	--	227	<0.5	<0.5	<0.5	<0.5	--/<0.5 <sup>12</sup>	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-4 (cont)</b>											
02/25/00	27.27	INACCESSIBLE		--	--	--	--	--	--	--	--
03/01/00	27.27	21.10	6.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0 <sup>12</sup>	--
05/10/00	27.27	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
07/31/00	27.27	17.90	9.37	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>12</sup>	--
10/30/00	27.27	17.80	9.47	--	54.0 <sup>10</sup>	<0.500	<0.500	<0.500	<1.50	<2.50/<2.0 <sup>12</sup>	--
02/05/01	27.27	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--
05/07/01	27.27	19.46	7.81	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 <sup>12</sup>	--
08/06/01	27.27	17.49	9.78	--	<50	1.1	0.52	<0.50	1.1	6.0/<2.0 <sup>12</sup>	--
11/12/01	27.27	16.86	10.41	--	93	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
02/11/02	27.27	19.63	7.64	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
05/13/02	27.27	18.95	8.32	--	54	<0.50	0.84	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
<b>TRIP BLANK</b>											
05/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/18/93	--	--	--	1,400	<50	<0.5	<0.5	<0.5	<1.5	--	<5,000
11/03/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/10/94	--	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/94	--	--	--	84	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/14/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>TRIP BLANK (cont)</b>											
07/22/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	-1<2.0 <sup>12</sup>	--
05/08/98	--	--	--	--	--	--	--	--	--	-1<2.0 <sup>12</sup>	--
07/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	-1<2.0 <sup>12</sup>	--
11/06/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/09/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/13/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 <sup>12</sup>	--
09/07/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
11/24/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/25/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/10/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/31/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
10/30/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50	--
02/05/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
05/07/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/10/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/06/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
<b>QA</b>											
11/12/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/11/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

---

---

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to May 10, 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-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

-- = Not Measured/Not Analyzed

QA = Quality Assurance

\* TOC elevations were re-surveyed on March 8, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, being a cut square top of curb at the centerline return at the northwest corner of East 14th and 37th Avenue, (Benchmark Elevation = 38.21 feet, NGVD 29).

1 Lab could not get a good ion chromatogram match for MTBE. See laboratory report.

2 Chromatogram pattern indicates an unidentified hydrocarbon.

3 No value for MTBE could be determined; see lab report for analyses.

4 Confirmation run.

5 ORC was installed.

6 Laboratory report indicates gasoline C6-C12.

7 Laboratory report indicates unidentified hydrocarbons <C16.

8 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

9 Laboratory report indicates unidentified hydrocarbons >C16.

10 Laboratory report indicates hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

11 ORC in well.

12 MTBE by EPA Method 8260.

13 Laboratory report indicates unidentified hydrocarbons C9-C17.

**Table 2**  
**Dissolved Oxygen Concentrations**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID	DATE	Before Purging (mg/L)	After Purging (mg/L)
VH-1	05/10/00	0.90	--
	07/31/00	1.25	--
	10/30/00	1.97	--
	05/07/01	1.10	--
	08/06/01	1.40	--
	11/12/01	0.90	--
	02/11/02	1.10	--
	<b>05/13/02</b>	<b>0.70</b>	--
MW-2	05/10/00	0.57	--
	07/31/00	1.26	--
	10/30/00	1.25	--
	05/07/01	0.90	--
	08/06/01	1.10	--
	11/12/01	0.80	--
	02/11/02	0.60	--
	<b>05/13/02</b>	<b>0.80</b>	--
MW-3	05/10/00	1.56	--
	07/31/00	1.46	--
	10/30/00	1.18	--
	05/07/01	0.70	--
	08/06/01	0.90	--
	11/12/01	0.50	--
	02/11/02	0.80	--
	<b>05/13/02</b>	<b>1.80</b>	--
MW-4	05/10/00	INACCESSIBLE - CAR PARKED OVER WELL	
	07/31/00	0.64	--
	10/30/00	0.97	--
	02/05/01	INACCESSIBLE - CAR PARKED OVER WELL	
	05/07/01	0.50	--
	08/06/01	0.70	--
	11/12/01	1.00	--
	02/11/02	1.00	--
	<b>05/13/02</b>	<b>2.90</b>	--

**Table 2**  
**Dissolved Oxygen Concentrations**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

---

**EXPLANATIONS:**

(mg/L) = Milligrams per liter

-- = Not Measured

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
VH-1	02/05/01	<500	<50	160	<2.0	<2.0	<2.0
	05/07/01	--	--	110	--	--	--
	08/06/01	--	--	140	--	--	--
	11/12/01	--	--	61	--	--	--
	02/11/02	--	--	52	--	--	--
	05/13/02	--	--	80	--	--	--
MW-2	02/05/01	<500	<50	140	<2.0	<2.0	<2.0
	05/07/01	--	--	88	--	--	--
	08/06/01	--	--	110	--	--	--
	11/12/01	--	--	98	--	--	--
	02/11/02	--	--	86	--	--	--
	05/13/02	--	--	47	--	--	--
MW-3	02/05/01	<500	<50	70	<2.0	<2.0	<2.0
	05/07/01	--	--	49	--	--	--
	08/06/01	--	--	43	--	--	--
	11/12/01	--	--	46	--	--	--
	02/11/02	--	--	42	--	--	--
	05/13/02	--	--	32	--	--	--
MW-4	05/07/01	--	--	<2.0	--	--	--
	08/06/01	--	--	<2.0	--	--	--
	11/12/01	--	--	<2	--	--	--
	02/11/02	--	--	<2	--	--	--
	05/13/02	--	--	<2	--	--	--

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, 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  
(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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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

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

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

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

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/CHEVRON

Facility # 9-4612

Job#: 386473

Address: 3616 San Leandro St.

Date: 5/13/02

City: Oakland, CA

Sampler: TC

Well ID VH-1

Well Condition: o.k

Well Diameter 4 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)

Total Depth 26.52 ft.

Depth to Water 8.70 ft.

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

17.82 x VF .66 = 11.7 X 3 (case volume) = Estimated Purge Volume: 35 1/2 (gal.)

Purge Equipment: Disposable Bailer Bailer  
Stack Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1216

Weather Conditions: INDOORS

Sampling Time: 1247

Water Color: CLEAR Odor: YES

Purging Flow Rate: 2.0 gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1222</u>	<u>11.0</u>	<u>7.29</u>	<u>758</u>	<u>67.8</u>	<u>2.7</u>		
<u>1228</u>	<u>24.0</u>	<u>7.53</u>	<u>753</u>	<u>70.3</u>			
<u>1234</u>	<u>35.5</u>	<u>7.46</u>	<u>762</u>	<u>71.2</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VH-1</u>	<u>6 X VDA VARS</u>	<u>Y</u>	<u>TC</u>	<u>LANCASTER</u>	<u>TPHIG/btex/mtbe/mtbx</u> 2860

COMMENTS: ORC IN well, Took TOTAL well depth, well IS LOCATED IN RESTROOM.  
D.O = .7

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/ CHEVRON

Facility # 9-4612

Job#: 386473

Address: 3616 San Leandro St.

Date: 5/13/02

City: Oakland, CA

Sampler: TL

Well ID MW-2

Well Condition: o.k

Well Diameter 2 in.

Hydrocarbon Thickness: 0 (feet) Amount Bailed 0 (Gallons)

Total Depth 19.60 ft.

Depth to Water 9.64 ft.

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

9.96 X VF .17 = 1.6 X 3 (case volume) = Estimated Purge Volume: 5 (gal.)

Purge Equipment: Disposable Bailer  
 Bailer  
 Stack  
 Suction  
 Grundfos  
 Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
 Bailer  
 Pressure Bailer  
 Grab Sample  
 Other: \_\_\_\_\_

Starting Time: 1304

Weather Conditions: SUNNY

Sampling Time: 1318

Water Color: CLOUDY Odor: YES

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1307</u>	<u>1.5</u>	<u>7.31</u>	<u>768</u>	<u>73.7</u>	<u>.8</u>		
<u>1309</u>	<u>3.0</u>	<u>6.80</u>	<u>675</u>	<u>68.9</u>			
<u>1311</u>	<u>5.0</u>	<u>6.82</u>	<u>680</u>	<u>62.8</u>			
_____	_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESEV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>6 x VOA VIALS</u>	<u>Y</u>	<u>ICL</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe/mtbe</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: ORC IN WELL, TOOK TOTAL well Depth.

D.O = .8

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/CHEVRON

Facility # 9-4612

Job#: 386473

Address: 3616 San Leandro St.

Date: 5/8/02

City: Oakland, CA

Sampler: TL

Well ID MW-3

Well Condition: O.K.

Well Diameter 2 in.

Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 18.10 ft.

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

Depth to Water 9.20 ft.

8.90 X VF .17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1138

Weather Conditions: SUNNY

Sampling Time: 1152

Water Color: cloudy Odor: YES

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1142</u>	<u>1.5</u>	<u>7.25</u>	<u>1279</u>	<u>67.1</u>	<u>1.8</u>		
<u>1144</u>	<u>3.0</u>	<u>7.16</u>	<u>1121</u>	<u>67.2</u>			
<u>1146</u>	<u>4.5</u>	<u>7.12</u>	<u>1118</u>	<u>66.9</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESE RV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6 X 1/2 GAL BALS</u>	<u>Y</u>	<u>ICL</u>	<u>LANCASTER</u>	<u>TPH(GI)/btex/mtbe/mtbz</u>
<u>MW-3</u>	<u>2 X AMBER</u>	<u>Y</u>	<u>ND</u>	<u>" "</u>	<u>TPH-D</u>

COMMENTS: Took total well depth, ORC IN WELL.

D.O = 1.8

**WELL MONITORING/SAMPLING  
FIELD DATA SHEET.**

Client/CHEVRON

Facility # 9-4612

Job#: 386473

Address: 3616 San Leandro St.

Date: 5/13/02

City: Oakland, CA

Sampler: T.C.

Well ID MW-4

Well Condition: o.k

Well Diameter 2 in.

Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)

Total Depth 19.00 ft.

Depth to Water 8.32 ft.

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

10.68 x VF .17 = 1.8 x 3 (case volume) = Estimated Purge Volume: 5 1/2 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 1341

Weather Conditions: Sunny

Sampling Time: 1354

Water Color: 6.5 BROWN Odor: NO

Purging Flow Rate: \_\_\_\_\_ gpm.

Sediment Description: \_\_\_\_\_

Did well de-water? NO

If yes: Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>1343</u>	<u>2.0</u>	<u>7.92</u>	<u>429</u>	<u>71.6</u>	<u>2.9</u>		
<u>1346</u>	<u>4.0</u>	<u>7.20</u>	<u>382</u>	<u>67.7</u>			
<u>1348</u>	<u>5.5</u>	<u>7.18</u>	<u>364</u>	<u>67.2</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6 x VOA VIALS</u>	<u>Y</u>	<u>HC</u>	<u>LANCASTER</u>	<u>TPH(G)/btex/mtbe/mtol</u>

COMMENTS: upon arrival well was parked over, sampled the other 3 wells then monitored and sampled this well.  
Took total well depth. D.O = 2.9





## Lancaster Laboratories

Where quality is a science.

### ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

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

RECEIVED

MAY 1 1 2002

GETTLER-RYAN, INC.  
GENERAL CONTRACTOR

### SAMPLE GROUP

The sample group for this submittal is 807743. Samples arrived at the laboratory on Thursday, May 16, 2002. The PO# for this group is 99011184 and the release number is STREICH.

### Client Description

QA-T-020513	NA	Water
VH-1-W-020513	Grab	Water
MW-2-W-020513	Grab	Water
MW-3-W-020513	Grab	Water
MW-4-W-020513	Grab	Water

### Lancaster Labs Number

3820734
3820735
3820736
3820737
3820738

### METHODOLOGY

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

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding



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



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

Respectfully Submitted,



**Robert E. Mellinger**  
Sr Chemist/Coordinator



Lancaster Laboratories Sample No. WW 3820734

Collected: 05/13/2002 00:00

Account Number: 10905

Submitted: 05/16/2002 09:20  
 Reported: 05/29/2002 at 14:23  
 Discard: 06/29/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

QA-T-020513 NA Water  
 Facility# 94612 Job# 386473 GRD  
 3616 SAN LEANDRO-OAKLAND T0600100333 QA

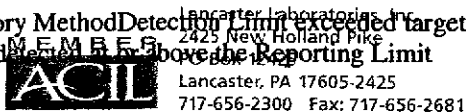
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/17/2002 02:50	Anastasia Papadopoulos	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/17/2002 02:50	Anastasia Papadopoulos	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/17/2002 02:50	Anastasia Papadopoulos	n.a.

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







Lancaster Laboratories Sample No. **WW 3820735**

Collected: 05/13/2002 12:47 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20  
 Reported: 05/29/2002 at 14:23  
 Discard: 06/29/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

VH-1-W-020513 Grab Water  
 Facility# 94612 Job# 386473 GRD  
 3616 SAN LEANDRO-OAKLAND T0600100333 VH-1

VH1--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,700.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	54.	0.50	ug/l	1
00777	Toluene	108-88-3	4.1	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	5.6	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	6.2	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	100.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	80.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/17/2002 20:04	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/17/2002 20:04	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	05/20/2002 18:09	Nicole S Albright	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/17/2002 20:04	Anastasia Papadoplos	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/20/2002 18:09	Nicole S Albright	n.a.

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



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



## Lancaster Laboratories

Where quality is a science.

Page 2 of 2

Lancaster Laboratories Sample No. WW 3820735

Collected: 05/13/2002 12:47 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20

Reported: 05/29/2002 at 14:23

Discard: 06/29/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

VH-1-W-020513

Grab

Water

Facility# 94612 Job# 386473

GRD

3616 SAN LEANDRO-OAKLAND T0600100333 VH-1

VH1--

#=Laboratory Method Detection Limit exceeded target detection limit

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



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



Lancaster Laboratories Sample No. **WW 3820736**

Collected: 05/13/2002 13:18 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20  
 Reported: 05/29/2002 at 14:23  
 Discard: 06/29/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-2-W-020513 Grab Water GRD  
 Facility# 94612 Job# 386473  
 3616 SAN LEANDRO-OAKLAND T0600100333 MW-2

M2616

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	5,500.	500.	ug/l	10
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	26.	2.0	ug/l	10
00777	Toluene	108-88-3	5.2	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	23.	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	26.	6.0	ug/l	10
00780	Methyl tert-Butyl Ether	1634-04-4	120.	3.0	ug/l	10
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	47.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/17/2002 18:21	Melissa D Mann	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/17/2002 18:21	Melissa D Mann	10
01595	Oxygenates by 8260B	SW-846 8260B	1	05/20/2002 18:36	Nicole S Albright	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/17/2002 18:21	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/20/2002 18:36	Nicole S Albright	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected  
 M.F.M.S.E. Above the Reporting Limit



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



Lancaster Laboratories Sample No. WW 3820736

Collected: 05/13/2002 13:18 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20

Reported: 05/29/2002 at 14:23

Discard: 06/29/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-2-W-020513

Grab

Water

Facility# 94612 Job# 386473

GRD

3616 SAN LEANDRO-OAKLAND T0600100333 MW-2

M2616

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected or below the Reporting Limit



Lancaster Laboratories  
2425 New Holland Pike  
PO Box 1242  
Lancaster, PA 17605-2425  
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. **WW 3820737**

Collected: 05/13/2002 11:52 by **TC**

Account Number: 10905

Submitted: 05/16/2002 09:20

ChevronTexaco

Reported: 05/29/2002 at 14:23

6001 Bollinger Canyon Rd L4310

Discard: 06/29/2002

San Ramon CA 94583

MW-3-W-020513 Grab Water GRD  
 Facility# 94612 Job# 386473  
 3616 SAN LEANDRO-OAKLAND T0600100333 MW-3

M3616

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	730.	50.	ug/l	1
According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	2,500.	100.	ug/l	2
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	18.	0.50	ug/l	2
00777	Toluene	108-88-3	N.D. #	5.0	ug/l	2
00778	Ethylbenzene	100-41-4	N.D. #	5.0	ug/l	2
00779	Total Xylenes	1330-20-7	5.2	1.5	ug/l	2
00780	Methyl tert-Butyl Ether	1634-04-4	44.	2.5	ug/l	2
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.  Due to the presence of interferents near their retention time, normal reporting limits were not attained for toluene and ethylbenzene. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.						
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	32.	2.	ug/l	1

State of California Lab Certification No. 2116

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



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



Lancaster Laboratories Sample No. **WW 3820737**

Collected: 05/13/2002 11:52 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20  
Reported: 05/29/2002 at 14:23  
Discard: 06/29/2002

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

MW-3-W-020513                      Grab              Water  
Facility# 94612      Job# 386473                      GRD  
3616 SAN LEANDRO-OAKLAND T0600100333 MW-3

M3616

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	05/20/2002 14:14	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/17/2002 18:55	Melissa D Mann	2
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/17/2002 18:55	Melissa D Mann	2
01595	Oxygenates by 8260B	SW-846 8260B	1	05/17/2002 20:24	Nicole S Albright	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/17/2002 18:55	Anastasia Papadoplos	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002 20:24	Nicole S Albright	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	05/17/2002 16:30	Elia R Botrous	1

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



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



Lancaster Laboratories Sample No. **WW 3820738**

Collected: 05/13/2002 13:54 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20  
 Reported: 05/29/2002 at 14:23  
 Discard: 06/29/2002

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MW-4-W-020513 Grab Water GRD  
 Facility# 94612 Job# 386473  
 3616 SAN LEANDRO-OAKLAND T0600100333 MW-4

M4616

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	54.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	0.84	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/17/2002	23:18	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	05/17/2002	23:18	Melissa D Mann	1
01595	Oxygenates by 8260B	SW-846 8260B	1	05/17/2002	13:31	Roy R Mellott Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/17/2002	23:18	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/17/2002	13:31	Roy R Mellott Jr	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not Detected  
 Method # 5 is above the Reporting Limit



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



## Lancaster Laboratories

Where quality is a science.

Page 2 of 2

Lancaster Laboratories Sample No. WW 3820738

Collected: 05/13/2002 13:54 by TC

Account Number: 10905

Submitted: 05/16/2002 09:20

Reported: 05/29/2002 at 14:23

Discard: 06/29/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-4-W-020513

Grab

Water

Facility# 94612 Job# 386473

GRD

3616 SAN LEANDRO-OAKLAND T0600100333 MW-4

M4616

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected Above the Reporting Limit



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





## Lancaster Laboratories

*Where quality is a science.*

### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 05/29/02 at 02:23 PM

Group Number: 807743

#### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02136A53A      Sample number(s): 3820734								
Benzene	N.D.	0.5	ug/l	115	106	80-118	8	30
Toluene	N.D.	0.5	ug/l	114	104	82-119	9	30
Ethylbenzene	N.D.	0.5	ug/l	115	105	81-119	9	30
Total Xylenes	N.D.	1.5	ug/l	110	105	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	118	109	79-127	7	30
TPH-GRO - Waters	N.D.	50.	ug/l	111	105	76-126	6	30
Batch number: 02136A53B      Sample number(s): 3820735-3820737								
Benzene	N.D.	0.5	ug/l	115	106	80-118	8	30
Toluene	N.D.	0.5	ug/l	114	104	82-119	9	30
Ethylbenzene	N.D.	0.5	ug/l	115	105	81-119	9	30
Total Xylenes	N.D.	1.5	ug/l	110	105	82-120	5	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	118	109	79-127	7	30
TPH-GRO - Waters	N.D.	50.	ug/l	111	105	76-126	6	30
Batch number: 021370003A      Sample number(s): 3820737								
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	106	103	54-120	4	20
Batch number: 02137A56A      Sample number(s): 3820738								
Benzene	N.D.	0.5	ug/l	111	99	80-118	12	30
Toluene	N.D.	0.5	ug/l	110	98	82-119	11	30
Ethylbenzene	N.D.	0.5	ug/l	109	97	81-119	12	30
Total Xylenes	N.D.	1.5	ug/l	110	99	82-120	11	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	106	103	79-127	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	96	91	76-126	5	30
Batch number: V021341AB      Sample number(s): 3820737-3820738								
Methyl t-butyl ether	N.D.	2.	ug/l	105		77-127		
Batch number: V021341AC      Sample number(s): 3820735-3820736								
Methyl t-butyl ether	N.D.	2.	ug/l	105		77-127		

#### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02136A53A      Sample number(s): 3820734								
Benzene	108		77-131					
Toluene	112		80-128					
Ethylbenzene	117		76-132					
Total Xylenes	116		76-132					
Methyl tert-Butyl Ether	115		61-144					
TPH-GRO - Waters	84		74-132					
Batch number: 02136A53B      Sample number(s): 3820735-3820737								
Benzene	108		77-131					
Toluene	112		80-128					
Ethylbenzene	117		76-132					
Total Xylenes	116		76-132					
Methyl tert-Butyl Ether	115		61-144					
TPH-GRO - Waters	84		74-132					
Batch number: 02137A56A      Sample number(s): 3820738								
Benzene	104		77-131					

\*- 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.



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



## Lancaster Laboratories

*Where quality is a science.*

### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 05/29/02 at 02:23 PM

Group Number: 807743

#### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Toluene	109		80-128					
Ethylbenzene	112		76-132					
Total Xylenes	111		76-132					
Methyl tert-Butyl Ether	98		61-144					
TPH-GRO - Waters	110		74-132					
Batch number: V021341AB		Sample number(s): 3820737-3820738						
Methyl t-butyl ether	112	117	69-134	2	30			
Batch number: V021341AC		Sample number(s): 3820735-3820736						
Methyl t-butyl ether	112	117	69-134	2	30			

#### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
Batch number: 02136A53A

	Trifluorotoluene-F	Trifluorotoluene-P
3820734	104	101
Blank	99	104
LCS	109	109
LCSD	108	104
MS	99	105
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters  
Batch number: 02136A53B

	Trifluorotoluene-F	Trifluorotoluene-P
3820735	128	116
3820736	104	101
3820737	108	88
Blank	107	104
LCS	109	109
LCSD	108	104
MS	99	105
Limits:	67-135	71-130

Analysis Name: TPH - DRO CA LUFT (Waters)  
Batch number: 021370003A  
Orthoterphenyl

3820737	88
Blank	98
LCS	96
LCSD	93
Limits:	59-139

Analysis Name: TPH-GRO - Waters  
Batch number: 02137A56A

	Trifluorotoluene-F	Trifluorotoluene-P
3820738	93	96

\*- 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.



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



## Lancaster Laboratories

Where quality is a science.

### Quality Control Summary

Client Name: ChevronTexaco  
Reported: 05/29/02 at 02:23 PM

Group Number: 807743

#### Surrogate Quality Control

Blank	98	99
LCS	106	98
LCSD	102	98
MS	113	99

Limits: 67-135 71-130

Analysis Name: Oxygenates by 8260B  
Batch number: V021341AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3820737	106	104	107	108
3820738	104	103	102	101
Blank	106	105	104	105
LCS	114	107	100	96
MS	113	104	100	98
MSD	112	106	101	99

Limits: 86-118 80-120 88-110 86-115

Analysis Name: Oxygenates by 8260B  
Batch number: V021341AC

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3820735	101	105	101	103
3820736	103	103	106	107
Blank	103	105	101	102
LCS	114	107	100	96
MS	113	104	100	98
MSD	112	106	101	99

Limits: 86-118 80-120 88-110 86-115

\*- Outside of specification

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



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