



**Dana R. Thurman**  
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**Chevron Environmental  
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Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Alameda County  
JAN 25 2006  
Environmental Health**

January 23, 2006

Re: Chevron Service Station # 9-4612

Address: 3616 San Leandro Street, Oakland, California

I have reviewed the attached routine groundwater monitoring report dated January 6, 2006

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,

Dana Thurman  
Project Manager

Enclosure: Report



# GETTLER-RYAN INC.

## TRANSMITTAL

January 6, 2006  
G-R #386473

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

Alameda County  
Environmental Health  
JAN 25 2006

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  
MTI: 61H-1996  
RO 0000233

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	January 6, 2006	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 2, 2005

### COMMENTS:

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

Mr. Dana Thurman, ChevronTexaco Company, P.O. Box 6012, Room K2236, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **January 20, 2006**, 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. 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-DT

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.

January 6, 2006  
G-R Job #386473

Mr. Dana Thurman  
ChevronTexaco Company  
P.O. Box 6012, Room K2236  
San Ramon, CA 94583

**RE: Fourth Quarter Event of December 2, 2005**  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-4612  
3616 San Leandro Street  
Oakland, California

Dear Mr. Thurman:

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.

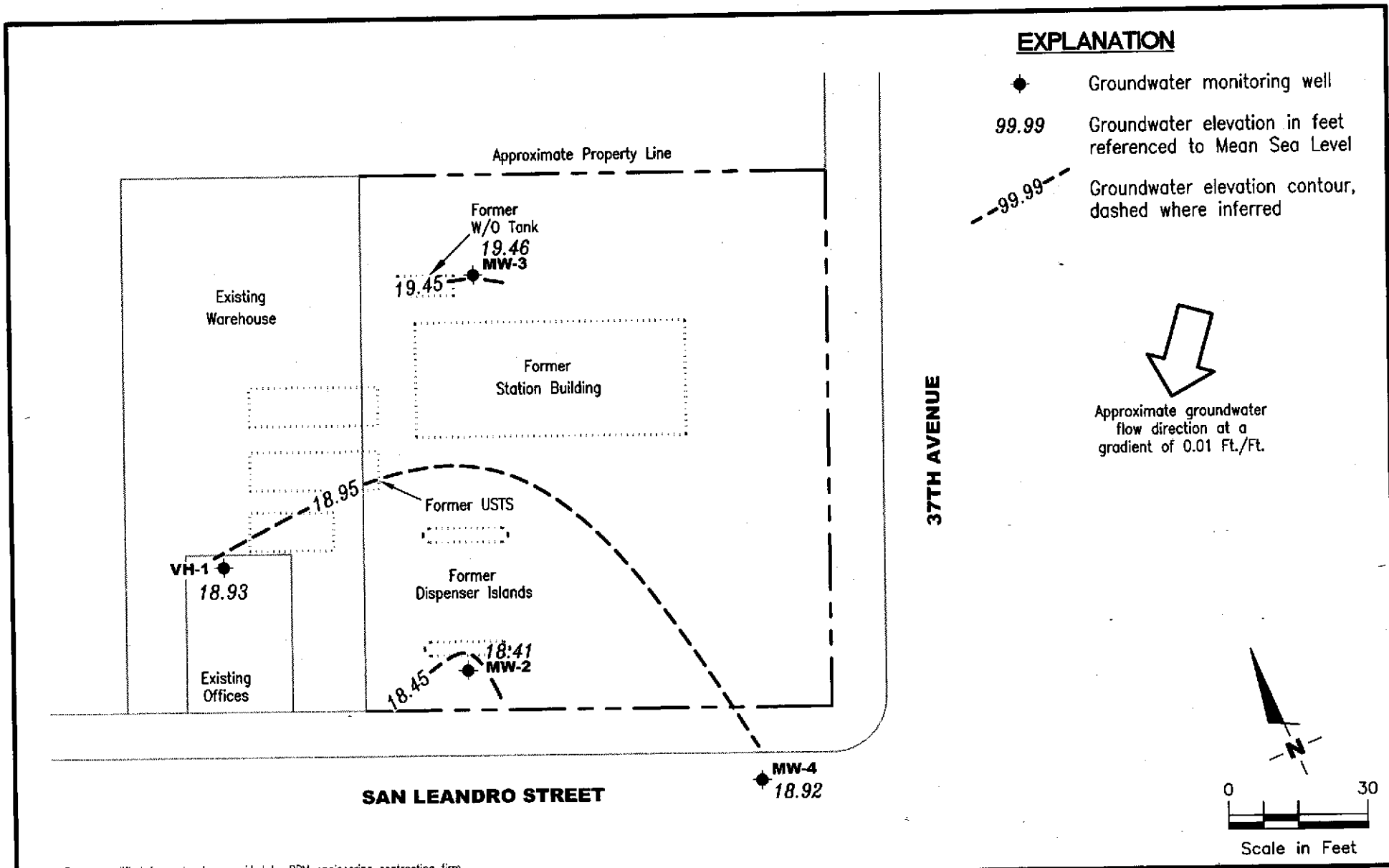
Sincerely,

Deanna L. Harding  
Project Coordinator



Robert A. Lauritzen  
Senior Geologist, P.G. No. 7504

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.

FIGURE

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

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

1

PROJECT NUMBER  
**386473**

REVIEWED BY

DATE  
 December 2, 2005

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* ( <i>fl.</i> )	GWE ( <i>mst</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> )
VH-1											
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>	--
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	433/245 <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>	--

**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>											
11/24/99	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>	--
08/09/02 <sup>11</sup>	27.91	18.50	9.41	--	2,400	37	2.4	1.2	3.4	86/89 <sup>12</sup>	--
11/07/02 <sup>11</sup>	27.91	17.34	10.57	--	150	1.3	<0.50	<0.50	<1.5	56/50 <sup>12</sup>	--
02/04/03 <sup>11</sup>	27.91	19.63	8.28	--	1,700	40	3.1	7.8	5.0	100/53 <sup>12</sup>	--
05/05/03 <sup>11</sup>	27.91	20.41	7.50	--	2,100	44	3.4	3.7	5.2	96/62 <sup>12</sup>	--
09/06/03 <sup>11,14</sup>	27.91	18.31	9.60	--	690	7	0.6	<0.5	0.6	59	--
11/14/03 <sup>11,14</sup>	27.91	17.99	9.92	--	1,000	3	0.6	2	0.7	47	--
02/13/04 <sup>14,15</sup>	27.91	19.98	7.93	--	2,400	30	2	4	3	47	--
05/13/04 <sup>14</sup>	27.91	19.24	8.67	--	1,900	49	4	3	5	74	--
08/17/04 <sup>14</sup>	27.91	18.26	9.65	--	1,800	11	1	0.9	2	58	--
11/10/04	27.91	INACCESSIBLE	--	--	--	--	--	--	--	--	--
02/08/05 <sup>14</sup>	27.91	20.08	7.83	--	2,700	26	3	4	5	48	--
06/03/05 <sup>14</sup>	27.91	19.71	8.20	--	3,100	40	5	6	9	45	--
08/05/05 <sup>14</sup>	27.91	17.81	10.10	--	2,500	34	4	0.6	6	46	--
12/02/05 <sup>14</sup>	27.91	18.93	8.98	--	3,500	69	7	2	8	57	--
<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	--	--

**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-2 (cont)</b>											
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	--
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>	--
08/09/02 <sup>11</sup>	28.05	17.76	10.29	--	5,700	26	3.7	26	50	100/69 <sup>12</sup>	--
11/07/02 <sup>11</sup>	28.05	16.78	11.27	--	5,900	33	4.4	23	21	<100/69 <sup>12</sup>	--
02/04/03 <sup>11</sup>	28.05	18.92	9.13	--	5,400	22	4.7	13	14	<50/55 <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-2 (cont)</b>											
05/05/03 <sup>11</sup>	28.05	19.67	8.38	--	4,500	23	4.7	12	15	<50/31 <sup>12</sup>	--
09/06/03 <sup>11,14</sup>	28.05	17.65	10.40	--	3,200	13	2	7	7	54	--
11/14/03 <sup>11,14</sup>	28.05	17.43	10.62	--	4,000	11	2	7	6	55	--
02/13/04 <sup>14,15</sup>	28.05	19.26	8.79	--	6,200	6	2	8	8	31	--
05/13/04 <sup>14</sup>	28.05	18.49	9.56	--	3,200	6	3	13	11	34	--
08/17/04 <sup>14</sup>	28.05	17.57	10.48	--	4,300	7	1	6	5	46	--
11/10/04 <sup>14</sup>	28.05	18.52	9.53	--	3,000	5	1	6	7	37	--
02/08/05 <sup>14</sup>	28.05	19.34	8.71	--	4,700	3	2	10	8	22	--
06/03/05 <sup>14</sup>	28.05	19.04	9.01	--	4,100	4	3	15	11	23	--
08/05/05 <sup>14</sup>	28.05	18.29	9.76	--	3,500	4	1	<0.5	8	23	--
12/02/05 <sup>14</sup>	28.05	18.41	9.64	--	2,900	4	2	3	3	24	--
<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	--



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

WELL ID/ DATE	TOC* (%)	GWE (mst)	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>											
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>	--	--	--	--	--	--	--
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>	--
08/09/02 <sup>11</sup>	29.04	18.87	10.17	560	2,700	17	<5.0	<5.0	<10	45/33 <sup>12</sup>	--
11/07/02 <sup>11</sup>	29.04	17.91	11.13	660	2,600	24	<5.0	2.0	4.8	51/37 <sup>12</sup>	--
02/04/03 <sup>11</sup>	29.04	20.44	8.60	370	2,200	13	1.5	2.7	5.0	<50/24 <sup>12</sup>	--
05/05/03 <sup>11</sup>	29.04	21.22	7.82	580	2,100	14	1.8	2.0	3.9	<20/19 <sup>12</sup>	--
09/06/03 <sup>11,14</sup>	29.04	18.79	10.25	780	1,800	2	0.6	0.6	1	28	--
11/14/03 <sup>11,14</sup>	29.04	18.52	10.52	860	2,000	1	0.6	0.6	0.9	30	--
02/13/04 <sup>14,15</sup>	29.04	20.76	8.28	590	3,600	1	0.6	1	2	21	--
05/13/04 <sup>14</sup>	29.04	19.87	9.17	670	1,600	1	<0.5	0.5	1	20	--
08/17/04 <sup>14</sup>	29.04	18.79	10.25	900	2,500	1	<0.5	<0.5	0.7	25	--
11/10/04 <sup>14</sup>	29.04	19.81	9.23	780	1,500	1	0.6	0.5	1	27	--
02/08/05 <sup>14</sup>	29.04	20.92	8.12	530	2,500	1	0.6	2	3	11	--
06/03/05 <sup>14</sup>	29.04	20.47	8.57	600	1,700	1	<0.5	0.7	1	9	--
08/05/05 <sup>14</sup>	29.04	18.44	10.60	530 <sup>16</sup>	980	0.6	<0.5	<0.5	0.8	9	--
12/02/05 <sup>14</sup>	29.04	19.46	9.58	1,400 <sup>17</sup>	2,400	1	2	0.8	1	7	--

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

WELL ID/ DATE	TOC <sup>a</sup> (%)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-4											
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>	--
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>	--
08/09/02	27.27	18.02	9.25	--	54	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
11/07/02	27.27	16.85	10.42	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>12</sup>	--
02/04/03	27.27	19.52	7.75	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 <sup>12</sup>	--
05/05/03	27.27	20.37	6.90	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5 <sup>12</sup>	--
09/06/03 <sup>14</sup>	27.27	17.77	9.50	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03 <sup>14</sup>	27.27	17.47	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

**Table 1**  
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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>											
02/13/04 <sup>14</sup>	27.27	19.91	7.36	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04 <sup>14</sup>	27.27	18.99	8.28	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04 <sup>14</sup>	27.27	17.64	9.63	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04 <sup>14</sup>	27.27	18.81	8.46	--	52	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05 <sup>14</sup>	27.27	20.07	7.20	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05 <sup>14</sup>	27.27	19.66	7.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05 <sup>14</sup>	27.27	17.83	9.44	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05 <sup>14</sup>	27.27	18.92	8.35	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
<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	--
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	--/ <2.0 <sup>12</sup>	--
05/08/98	--	--	--	--	--	--	--	--	--	--/ <2.0 <sup>12</sup>	--
07/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--/ <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>	--

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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>											
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	--
08/09/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/07/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/04/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/06/03 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05 <sup>14</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
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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	TPH-G = Total Petroleum Hydrocarbons as Gasoline	TOG = Total Oil and Grease
(ft.) = Feet	B = Benzene	(ppb) = Parts per billion
GWE = Groundwater Elevation	T = Toluene	-- = Not Measured/Not Analyzed
(msl) = Mean sea level	E = Ethylbenzene	QA = Quality Assurance/Trip Blank
DTW = Depth to Water	X = Xylenes	
TPH-D = Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	

- \* 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.
- 14 BTEX and MTBE by EPA Method 8260.
- 15 ORC removed from well.
- 16 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier and later than #2 fuel.
- 17 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.

**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	--
	05/13/02	0.70	--
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	--
	05/13/02	0.80	--
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	--
	05/13/02	1.80	--
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	--
	05/13/02	2.90	--

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

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**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	--	--	--
	08/09/02	--	--	89	--	--	--
	11/07/02	--	--	50	--	--	--
	02/04/03	--	--	53	--	--	--
	05/05/03	--	--	62	--	--	--
	09/06/03	--	--	59	--	--	--
	11/14/03	--	--	47	--	--	--
	02/13/04	--	--	47	--	--	--
	05/13/04	--	--	74	--	--	--
	08/17/04	--	--	58	--	--	--
	11/10/04	INACCESSIBLE	--	--	--	--	--
	02/08/05	--	--	48	--	--	--
	06/03/05	--	--	45	--	--	--
08/05/05	--	--	46	--	--	--	
12/02/05	--	--	57	--	--	--	
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	--	--	--
	08/09/02	--	--	69	--	--	--
	11/07/02	--	--	69	--	--	--
	02/04/03	--	--	55	--	--	--
	05/05/03	--	--	31	--	--	--
	09/06/03	--	--	54	--	--	--
	11/14/03	--	--	55	--	--	--
	02/13/04	--	--	31	--	--	--
05/13/04	--	--	34	--	--	--	



**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)
MW-2	08/17/04	--	--	46	--	--	--
(cont)	11/10/04	--	--	37	--	--	--
	02/08/05	--	--	22	--	--	--
	06/03/05	--	--	23	--	--	--
	08/05/05	--	--	23	--	--	--
	12/02/05	--	--	24	--	--	--
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	--	--	--
	08/09/02	--	--	33	--	--	--
	11/07/02	--	--	37	--	--	--
	02/04/03	--	--	24	--	--	--
	05/05/03	--	--	19	--	--	--
	09/06/03	--	--	28	--	--	--
	11/14/03	--	--	30	--	--	--
	02/13/04	--	--	21	--	--	--
	05/13/04	--	--	20	--	--	--
	08/17/04	--	--	25	--	--	--
	11/10/04	--	--	27	--	--	--
	02/08/05	--	--	11	--	--	--
	06/03/05	--	--	9	--	--	--
	08/05/05	--	--	9	--	--	--
	12/02/05	--	--	7	--	--	--
MW-4	05/07/01	--	--	<2.0	--	--	--
	08/06/01	--	--	<2.0	--	--	--
	11/12/01	--	--	<2	--	--	--
	02/11/02	--	--	<2	--	--	--
	05/13/02	--	--	<2	--	--	--
	08/09/02	--	--	<2	--	--	--

**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)
MW-4	11/07/02	--	--	<2	--	--	--
(cont)	02/04/03	--	--	<0.5	--	--	--
	05/05/03	--	--	<0.5	--	--	--
	09/06/03	--	--	<0.5	--	--	--
	11/14/03	--	--	<0.5	--	--	--
	02/13/04	--	--	<0.5	--	--	--
	05/13/04	--	--	<0.5	--	--	--
	08/17/04	--	--	<0.5	--	--	--
	11/10/04	--	--	<0.5	--	--	--
	02/08/05	--	--	<0.5	--	--	--
	06/03/05	--	--	<0.5	--	--	--
	08/05/05	--	--	<0.5	--	--	--
	12/02/05	--	--	<0.5	--	--	--

**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, 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 Chemical Waste Management located in Kettleman Hill, California.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4612 Job Number: 386473  
 Site Address: 3616 San Leandro Street Event Date: 12-2-05 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: VH-1  
 Well Diameter: 4 in.  
 Total Depth: 28.45 ft.  
 Depth to Water: 8.98 ft.  
19.47

Date Monitored: 12-2-05 Well Condition: OK

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

xVF .66 = 12.85 x3 case volume= Estimated Purge Volume: 38.5 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1400 Weather Conditions: SUNNY  
 Sample Time/Date: 1419 / 12-2-05 Water Color: CLEAN Odor: YES  
 Purging Flow Rate: 3.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1404</u>	<u>13.0</u>	<u>6.84</u>	<u>285</u>	<u>22.0</u>	_____	_____
<u>1408</u>	<u>26.0</u>	<u>6.80</u>	<u>281</u>	<u>21.8</u>	_____	_____
<u>1412</u>	<u>38.5</u>	<u>6.77</u>	<u>275</u>	<u>21.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

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

### COMMENTS:

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4612 Job Number: 386473  
 Site Address: 3616 San Leandro Street Event Date: 12-2-05 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-2 Date Monitored: 12-2-05 Well Condition: MOUL. SON 8' Day  
2 STAPPED FLANGES  
 Well Diameter: 2 1/4 in.  
 Total Depth: 19.50 ft.  
 Depth to Water: 9.64 ft.  
9.86 xVF .17 = 1.67 x3 case volume= Estimated Purge Volume: 5.0 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.60	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: \_\_\_\_\_ 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): 1338 Weather Conditions: SUNNY  
 Sample Time/Date: 1351 / 12-2-05 Water Color: CLEAN Odor: YES  
 Purging Flow Rate: 22.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (OF)	D.O. (mg/L)	ORP (mV)
<u>1339</u>	<u>1.5</u>	<u>6.79</u>	<u>273</u>	<u>21.8</u>		
<u>1340</u>	<u>3.0</u>	<u>6.75</u>	<u>271</u>	<u>22.0</u>		
<u>1341</u>	<u>5.0</u>	<u>6.72</u>	<u>270</u>	<u>21.9</u>		

### LABORATORY INFORMATION

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4612 Job Number: 386473  
 Site Address: 3616 San Leandro Street Event Date: 12.2.05 (inclusive)  
 City: Oakland, CA Sampler: ET

Well ID: MW-3  
 Well Diameter: 2 1/4 in.  
 Total Depth: 18.05 ft.  
 Depth to Water: 9.59 ft.

Date Monitored: 12.2.05

Well Condition: Muddy 8' Box  
15 MINUTE FLAMM

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

8.47 xVF .17 = 1.43 x3 case volume= Estimated Purge Volume: 4.0 gal.

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

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ 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): 1313 Weather Conditions: SUNNY  
 Sample Time/Date: 1326 / 12.2.05 Water Color: MILKY / CR. GMP Odor: Yes  
 Purging Flow Rate: 1.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1314</u>	<u>1.5</u>	<u>6.85</u>	<u>276</u>	<u>22.3</u>		
<u>1315</u>	<u>3.0</u>	<u>6.75</u>	<u>274</u>	<u>22.5</u>		
<u>1316</u>	<u>4.0</u>	<u>6.75</u>	<u>272</u>	<u>22.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)</u>
	<u>2</u> x Amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4612  
 Site Address: 3616 San Leandro Street  
 City: Oakland, CA

Job Number: 386473  
 Event Date: 12.2.05 (inclusive)  
 Sampler: FT

Well ID: MW-4  
 Well Diameter: 2 1/4 in.  
 Total Depth: 19.25 ft.  
 Depth to Water: 9.35 ft.  
10.90 xVF .17 = 1.85 x3 case volume = Estimated Purge Volume: 5.5 gal.

Date Monitored: 12.2.05

Well Condition: LOWLY ENH 8" BAR  
BROKEN FLANGE / 1 STAINLESS PUMP

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: \_\_\_\_\_ 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): 1245 Weather Conditions: SUNNY  
 Sample Time/Date: 1300 / 12.2.05 Water Color: CLEAN Odor: NO  
 Purging Flow Rate: 1 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1248</u>	<u>2.0</u>	<u>7.04</u>	<u>262</u>	<u>22.0</u>	_____	_____
<u>1251</u>	<u>4.0</u>	<u>6.76</u>	<u>241</u>	<u>21.5</u>	_____	_____
<u>1254</u>	<u>5.5</u>	<u>6.92</u>	<u>273</u>	<u>21.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial x Amber	YES YES	HCL NP	LANCASTER LANCASTER	TPH-G(8015)/BTEX+MTBE(8260) TPH-D

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

Add/Replaced Lock: \_\_\_\_\_

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



# Chevron California Region Analysis Request/Chain of Custody



Cambria MTI Project #: 61H-1996

Acct. #: 10904

For Lancaster Laboratories use only  
Sample #: 41d02304-08

SCR#: G196A711

Facility #: SS#9-4612 G-R#386473 Global ID#T0600100333  
 Site Address: 3616 SAN LEANDRO STREET, OAKLAND, CA  
 Chevron PM: MTI Lead Consultant: CAMBRIABE  
 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: FRANK TERRANONI  
 Service Order #: \_\_\_\_\_  Non SAR:

Matrix

Soil  Potable   
 Water  NPDES   
 Oil  Air

Total Number of Containers

Analyses Requested		Preservation Codes	
<input type="checkbox"/> BITEX + MTBE 8260	<input type="checkbox"/> 8021	<input type="checkbox"/> H	<input type="checkbox"/> H
<input type="checkbox"/> TPH 8015 MOD. GRO			
<input type="checkbox"/> TPH 8015 MOD DRO	<input type="checkbox"/> Silica Gel Cleanup		
<input type="checkbox"/> 8260 full scan			
<input type="checkbox"/> Oxygenates			
<input type="checkbox"/> Lead 7420	<input type="checkbox"/> 7421		

**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	BITEX + MTBE 8260	8021	TPH 8015 MOD. GRO	TPH 8015 MOD DRO	Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420	7421	
QA	12-2-05					W			2	+	+								
MW-2		1357	X						6	+	+								
MW-3		1326	X						8	+	+	X							
MW-4		1300	X						6	+	+								
VH-1		1419	X						6	+	+								

Comments / Remarks

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

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

Relinquished by: <u>[Signature]</u>	Date: <u>12-2-05</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>12/2/05</u>	Time: <u>1500</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12-2-05</u>	Time: <u>1530</u>	Received by: <u>[Signature]</u>	Date: <u>12-2-05</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: _____	UPS	FedEx	Other: _____	Received by: <u>[Signature]</u>	Date: <u>12/3/05</u>
Temperature Upon Receipt: <u>6 codes 0°/10°-45°</u>	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: 717-656-2681 • www.lancasterlabs.com

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria  
Suite 12  
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 969711. Samples arrived at the laboratory on Saturday, December 03, 2005. The PO# for this group is 99011184 and the release number is MTI.

### Client Description

QA-T-051202	NA	Water
MW-2-W-051202	Grab	Water
MW-3-W-051202	Grab	Water
MW-4-W-051202	Grab	Water
VH-1-W-051202	Grab	Water

### Lancaster Labs Number

4662304
4662305
4662306
4662307
4662308

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: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative  
Lynn M Frederiksen at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

**Susan M. Goshert**  
**Group Leader**

Lancaster Laboratories Sample No. WW 4662304

 QA-T-051202 NA Water  
 Facility# 94612 Job# 386473 MTI# 61H-1996 GRD  
 3616 San Leandro-Oakland T0600100333 QA  
 Collected: 12/02/2005

Account Number: 10904

 Submitted: 12/03/2005 10:00  
 Reported: 12/15/2005 at 13:00  
 Discard: 01/15/2006

 ChevronTexaco c/o Cambria  
 Suite 12  
 4111 Citrus Avenue  
 Rocklin CA 95677

SLOQA

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		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	N. CA LUFT GRO	1	12/06/2005	10:25	K. Robert Caulfeild-James	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/08/2005	21:00	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/06/2005	10:25	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/08/2005	21:00	Ginelle L Feister	n.a.



# Analysis Report

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

Lancaster Laboratories Sample No. WW 4662308

VH-1-W-051202 Grab Water  
Facility# 94612 Job# 386473 MTI# 61H-1996 GRD  
3616 San Leandro-Oakland T0600100333 VH-1  
Collected: 12/02/2005 14:19 by FT

Account Number: 10904

Submitted: 12/03/2005 10:00  
Reported: 12/15/2005 at 13:01  
Discard: 01/15/2006

ChevronTexaco c/o Cambria  
Suite 12  
4111 Citrus Avenue  
Rocklin CA 95677

SLOV1

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
01728	TPH-GRO - Waters	n.a.	3,500.	250.	ug/l	5
	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	57.	0.5	ug/l	1
05401	Benzene	71-43-2	69.	0.5	ug/l	1
05407	Toluene	108-88-3	7.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	8.	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 GRO	1	12/06/2005 13:46	K. Robert Caulfeild-James	5
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/12/2005 10:28	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/06/2005 13:46	K. Robert Caulfeild-James	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2005 10:28	Ginelle L Feister	n.a.



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4662305

MW-2-W-051202 Grab Water  
 Facility# 94612 Job# 386473 MTI# 61H-1996 GRD  
 3616 San Leandro-Oakland T0600100333 MW-2  
 Collected: 12/02/2005 13:51 by FT

Account Number: 10904

Submitted: 12/03/2005 10:00  
 Reported: 12/15/2005 at 13:00  
 Discard: 01/15/2006

ChevronTexaco c/o Cambria  
 Suite 12  
 4111 Citrus Avenue  
 Rocklin CA 95677

SLO02

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	2,900.	Detection Limit 250.	ug/l	5
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	24.	0.5	ug/l	1
05401	Benzene	71-43-2	4.	0.5	ug/l	1
05407	Toluene	108-88-3	2.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	3.	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 GRO	1	12/06/2005 12:49	K. Robert Caulfeild-James	5
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/09/2005 09:36	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/06/2005 12:49	K. Robert Caulfeild-James	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/09/2005 09:36	Ginelle L Feister	n.a.

Lancaster Laboratories Sample No. **WW 4662306**

 MW-3-W-051202                      **Grab              Water**  
 Facility# 94612    Job# 386473    MTI# 61H-1996              **GRD**  
 3616 San Leandro-Oakland    T0600100333    MW-3  
 Collected: 12/02/2005 13:26              by FT

Account Number: 10904

 Submitted: 12/03/2005 10:00  
 Reported: 12/15/2005 at 13:01  
 Discard: 01/15/2006

 ChevronTexaco c/o Cambria  
 Suite 12  
 4111 Citrus Avenue  
 Rocklin CA 95677

SLO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	2,400.		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.						
06609	TPH-DRO CALUFT(Waters)	n.a.	1,400.		59.	ug/l	2
	The observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range earlier than #2 fuel.						
06054	BTEX+MTBE by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	7.		0.5	ug/l	1
05401	Benzene	71-43-2	1.		0.5	ug/l	1
05407	Toluene	108-88-3	2.		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.8		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	1.		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 GRO	1	12/06/2005	13:18	K. Robert Caulfeild-James	10
06609	TPH-DRO CALUFT(Waters)	CA LUFT DRO/SW-846 8015B mod	1	12/13/2005	13:44	Tracy A Cole	2
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/09/2005	10:00	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/06/2005	13:18	K. Robert Caulfeild-James	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/09/2005	10:00	Ginelle L Feister	n.a.
02135	Extraction - DRO Water Special	CA LUFT TPH	1	12/12/2005	03:30	Sherry L Morrow	1

Lancaster Laboratories Sample No. WW 4662307

 MW-4-W-051202 Grab Water  
 Facility# 94612 Job# 386473 MTI# 61H-1996 GRD  
 3616 San Leandro-Oakland T0600100333 MW-4  
 Collected: 12/02/2005 13:00 by FT

Account Number: 10904

 Submitted: 12/03/2005 10:00  
 Reported: 12/15/2005 at 13:01  
 Discard: 01/15/2006

 ChevronTexaco c/o Cambria  
 Suite 12  
 4111 Citrus Avenue  
 Rocklin CA 95677

SLO04

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	N.D.	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	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 GRO	1	12/06/2005 12:20	K. Robert Caulfeild-James	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/09/2005 02:52	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/06/2005 12:20	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/09/2005 02:52	Dawn M Harle	n.a.



## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 12/15/05 at 01:01 PM

Group Number: 969711

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: 05337A16B TPH-GRO - Waters	N.D.	50.	Sample number(s): 4662304-4662308 ug/l	105	107	70-130	1	30
Batch number: 05344009A TPH-DRO CALUPT(Waters)	N.D.	50.	Sample number(s): 4662306 ug/l	94	83	59-131	13	20
Batch number: Z053422AA Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4662304 ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	87		85-117		
Toluene	N.D.	0.5	ug/l	93		85-115		
Ethylbenzene	N.D.	0.5	ug/l	92		82-119		
Xylene (Total)	N.D.	0.5	ug/l	97		83-113		
Batch number: Z053423AA Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4662307 ug/l	90		77-127		
Benzene	N.D.	0.5	ug/l	92		85-117		
Toluene	N.D.	0.5	ug/l	93		85-115		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		
Batch number: Z053432AA Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4662305-4662306 ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	87		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		83-113		
Batch number: Z053432AB Methyl Tertiary Butyl Ether	N.D.	0.5	Sample number(s): 4662308 ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	87		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		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: 05337A16B TPH-GRO - Waters			Sample number(s): 4662304-4662308 125 63-154						

\*- 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: 12/15/05 at 01:01 PM

Group Number: 969711

### 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: Z053422AA									
Sample number(s): 4662304									
Methyl Tertiary Butyl Ether	96	102	69-134	2	30				
Benzene	98	97	83-128	1	30				
Toluene	103	101	83-127	1	30				
Ethylbenzene	102	102	82-129	0	30				
Xylene (Total)	106	105	82-130	0	30				
Batch number: Z053423AA									
Sample number(s): 4662307									
Methyl Tertiary Butyl Ether	93	93	69-134	1	30				
Benzene	100	99	83-128	1	30				
Toluene	100	99	83-127	1	30				
Ethylbenzene	101	100	82-129	1	30				
Xylene (Total)	104	102	82-130	2	30				
Batch number: Z053432AA									
Sample number(s): 4662305-4662306									
Methyl Tertiary Butyl Ether	97	96	69-134	1	30				
Benzene	96	94	83-128	1	30				
Toluene	104	102	83-127	2	30				
Ethylbenzene	104	102	82-129	2	30				
Xylene (Total)	107	106	82-130	1	30				
Batch number: Z053432AB									
Sample number(s): 4662308									
Methyl Tertiary Butyl Ether	97	96	69-134	1	30				
Benzene	96	94	83-128	1	30				
Toluene	104	102	83-127	2	30				
Ethylbenzene	104	102	82-129	2	30				
Xylene (Total)	107	106	82-130	1	30				

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
 Batch number: 05337A16B  
 Trifluorotoluene-F

4662304	91
4662305	102
4662306	92
4662307	91
4662308	105
Blank	90
LCS	91
LCSD	91
MS	93

Limits: 63-135

Analysis Name: TPH-DRO CALUFT(Waters)  
 Batch number: 053440009A  
 Orthoterphenyl

4662306	85
Blank	78

\*- 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: 12/15/05 at 01:01 PM

Group Number: 969711

### Surrogate Quality Control

 LCS 114  
 LCSD 100

Limits: 59-131

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z053422AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4662304	103	92	95	90
Blank	102	92	95	91
LCS	100	92	95	93
MS	103	91	95	93
MSD	103	94	95	93

Limits: 80-116      77-113      80-113      78-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z053423AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4662307	95	85	91	88
Blank	96	86	90	87
LCS	94	85	90	89
MS	95	86	90	90
MSD	95	85	91	90

Limits: 80-116      77-113      80-113      78-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z053432AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4662305	102	91	96	95
4662306	101	96	99	95
Blank	103	95	96	91
LCS	102	93	97	95
MS	103	93	97	94
MSD	102	93	96	93

Limits: 80-116      77-113      80-113      78-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z053432AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4662308	97	92	101	101
Blank	98	95	100	92
LCS	102	93	97	95
MS	103	93	97	94
MSD	102	93	96	93

Limits: 80-116      77-113      80-113      78-113

\*- 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)

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**J** estimated value - The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

**ppm** 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.

**ppb** parts per billion

**Dry weight basis** 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.

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

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