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GETTLER - RYAN INC.

TRANSMITTAL

July 19, 2004

G-R #386395

TO: Ms. Kristene Tidwell
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

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

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

RE: **Chevron Service Station**
#9-9708
5910 MacArthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	July 13, 2004	Groundwater Monitoring and Sampling Report Second Quarter - Event of June 18, 2004

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **August 11, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

trans/9-9708-KS



GETTLER - RYAN INC.

July 13, 2004
G-R Job #386395

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

RE: **Second Quarter Event of June 18, 2004**
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 MacArthur Boulevard
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. 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.

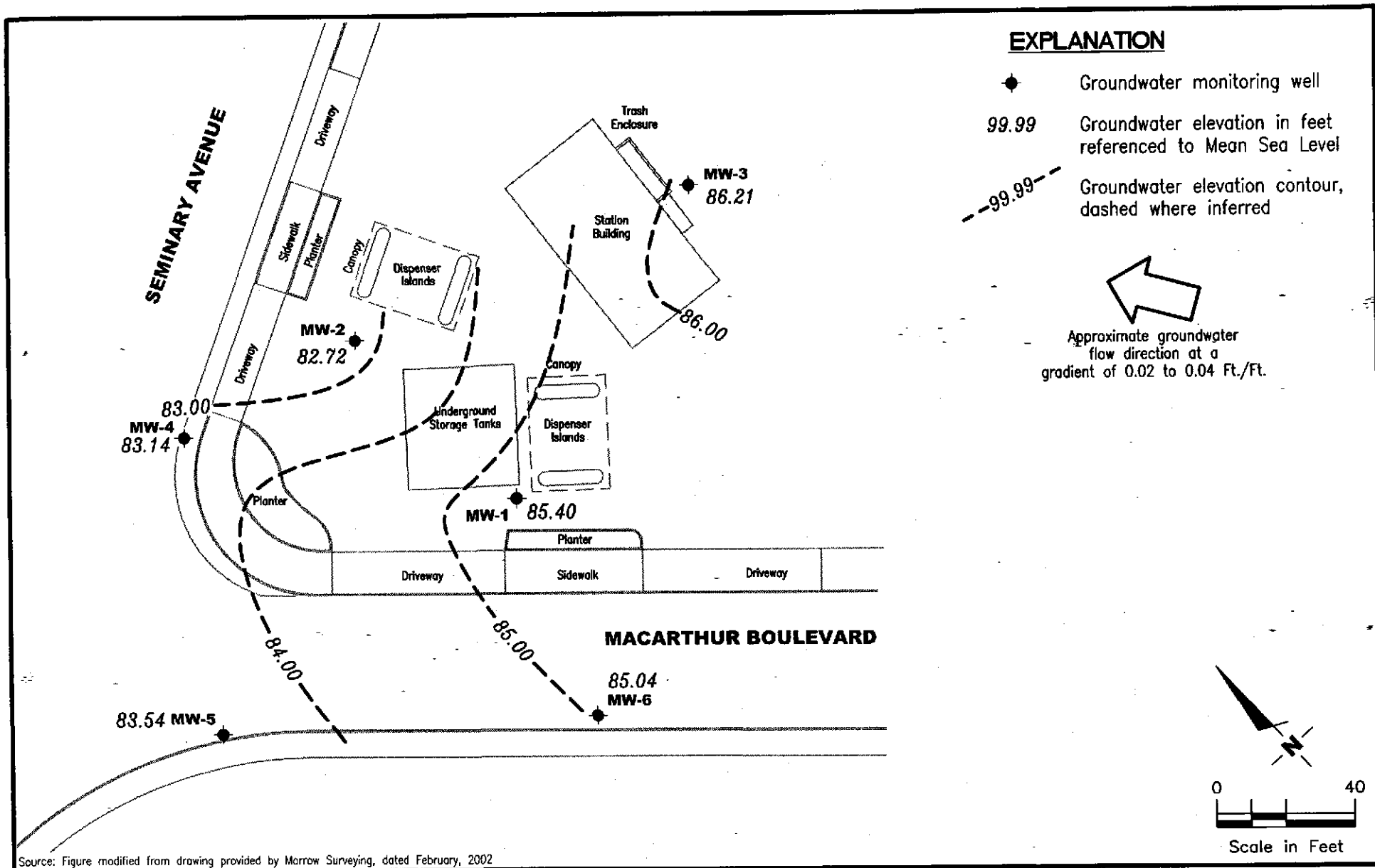
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734



Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by Marrow Surveying, dated February, 2002

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

POTENTIOMETRIC MAP
 Chevron Service Station #9-9708
 5910 MacArthur Boulevard
 Oakland, California

FIGURE
1

PROJECT NUMBER
 386395

REVIEWED BY

DATE
 June 18, 2004

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msf)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-1													
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--
12/17/97	96.61	85.43	11.18	--	210 ¹	43	0.61	11	0.61	69	--	--	--
03/18/98	96.61	84.59	12.02	--	210 ¹	47	<0.5	8.2	<0.5	92	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1,570	--	--	--
12/08/99	96.61	85.70	10.91	--	481	121	1.16	17.9	11	3,910	--	--	--
03/01/00	96.61	85.46	11.15	--	2,580	481	6.84	86.6	41.9	5,460	--	--	--
06/23/00	96.61	83.68	12.93	--	900 ⁴	120	<5.0	22	6.7	5,400	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300 ⁴	450	5.5	170	11	2,000	--	--	--
12/08/00	96.61	83.63	12.98	--	<1,000	41.7	<10.0	11.5	<10.0	6,030	--	--	--
03/01/01	96.61	84.94	11.67	--	340 ⁷	36.6	<0.500	10.1	<0.500	3,360	--	--	--
06/19/01	96.61	83.94	12.67	--	610 ⁴	110	<5.0	9.2	<5.0	110	--	--	--
09/18/01	96.61	83.48	13.13	--	200	32	0.55	3.0	<1.5	1,600	--	--	--
12/26/01	96.61	85.14	11.47	--	140	9.1	<0.50	1.2	<1.5	1,900	--	--	--
03/06/02	97.52	86.38	11.14	--	93	7.0	<0.50	0.72	<1.5	1,000	--	--	--
06/21/02	97.52	84.92	12.60	--	93	8.2	<0.50	1.2	<1.5	1,300	--	--	--
09/27/02	97.52	84.38	13.14	--	78	1.5	<0.50	<0.50	<1.5	1,200	--	--	--
12/26/02	97.52	87.74	9.78	--	86	1.7	<0.50	<0.50	<1.5	600	--	--	--
03/28/03	97.52	85.96	11.56	--	190	24	<0.50	2.4	<1.5	1,200	--	--	--
06/16/03 ¹¹	97.52	85.96	11.56	--	<50	3	<0.5	<0.5	<0.5	220	--	--	--
09/15/03 ^{11,12}	97.52	85.21	12.31	--	53	3	<0.5	<0.5	<0.5	580	--	--	--
12/15/03 ^{11,12}	97.52	86.35	11.17	--	<50	<0.5	0.7	<0.5	0.8	410	--	--	--
03/05/04 ^{11,12}	97.52	86.09	11.43	--	760	110	2	12	2	460	--	--	--
06/18/04^{11,12}	97.52	85.40	12.12	--	1,400	200	3	7	2	740	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msf)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-2													
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1,600	120	5.9	32	15	2,100	--	--	--
09/16/97	96.91	83.92	12.99	--	1,100	23	3.2	7.0	2.5	1,200	--	--	--
12/17/97	96.91	84.73	12.18	--	7,100 ¹	650	69	610	69	4,700/2,600 ²	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900 ¹	250	<50	98	<50	12,000/7,100 ²	--	--	--
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000 ²	--	--	--
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400 ²	--	--	--
12/29/98	96.91	83.99	12.92	--	6,500	573	26.8	131	33.9	2,660	--	--	--
03/11/99	96.91	84.04	12.87	--	4,970	651	30.8	60.3	<5.0	2,600	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2,030	238	11.6	8.98	<5.0	540	--	--	--
09/29/99	96.91	84.02	12.89	--	2,000	320	10.4	16.5	20.3	642	--	--	--
12/08/99	96.91	86.18	10.73	--	96.8	2.74	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	96.91	84.31	12.60	--	<50	6.92	<0.5	<0.5	<0.5	254	--	--	--
06/23/00	96.91	83.98	12.93	--	1,700 ⁴	490	7.5	<5.0	7.7	770	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000 ⁴	420	14	<10	<10	380	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700 ⁴	250	9.2	<5.0	6.9	410	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--
12/26/01	96.91	83.88	13.03	--	<50	0.50	<0.50	<0.50	<1.5	120	--	--	--
03/06/02	97.81	84.82	12.99	--	670	170	2.5	<0.50	<1.5	410	--	--	--
06/21/02	97.81	84.10	13.71	--	1,800	120	7.3	2.0	3.1	440	--	--	--
09/27/02	97.81	82.51	15.30	--	180	11	1.0	<0.50	<1.5	4,700	--	--	--
12/26/02	97.81	84.81	13.00	--	<50	<0.50	<0.50	<0.50	<1.5	160	--	--	--
03/28/03	97.81	84.46	13.35	--	580	88	2.2	22	12	280	--	--	--
06/16/03 ¹¹	97.81	83.10	14.71	--	200	1	29	<0.5	<0.5	1,400	--	--	--
09/15/03 ^{11,13}	97.81	82.78	15.03	--	130	<1	<1	<1	<1	2,400	--	--	--
12/15/03 ^{11,12}	97.81	84.84	12.97	--	<50	<0.5	<0.5	<0.5	<0.5	63	--	--	--
03/05/04 ^{11,12}	97.81	84.79	13.02	--	<50	0.8	<0.5	<0.5	<0.5	49	--	--	--
06/18/04 ^{11,12}	97.81	82.72	15.09	--	60	<0.5	<0.5	<0.5	<0.5	1,900	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-9708
 5910 MacArthur Boulevard
 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)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-3													
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--
06/04/97 ³	97.86	86.58	11.28	1200	<50	<0.5	<0.5	<0.5	<0.5	<5.0	ND	1.0	--
09/16/97	97.86	85.67	12.19	2,700 ¹	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	97.86	87.06	10.80	1,200 ¹	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--
03/18/98	97.86	86.98	10.88	820 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	97.86	86.26	11.60	1,100 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	1,100 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.79	0.54	--
12/29/98	97.86	86.06	11.80	1,760 ¹	185	<0.5	<0.5	<0.5	0.669	<2.0	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	1440	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0-<2.0
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--
06/29/99	97.86	85.71	12.15	690 ¹	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/08/99	97.86	88.43	9.43	1,000 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	0.66	<0.5-<5.0
03/01/00	97.86	87.16	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.821	0.984	<0.5-<5.0
06/23/00	97.86	85.96	11.90	2,600 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.0	<2.0	<0.5-<2.0
09/30/00	97.86	85.45	12.41	1,100 ⁵	<50	<0.50	0.61	<0.50	0.82	2.7	<2.0	<2.0	<0.50-<2.0
12/08/00	97.86	85.78	12.08	870 ⁵	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	<2.0	<0.50-<10
03/01/01	97.86	87.09	10.77	1,060 ⁶	60.9 ⁷	<0.500	<0.500	<0.500	<0.500	<2.50	0.545	0.528	<0.500-<5.00
06/19/01	97.86	85.87	11.99	120 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.2	<1.6	<0.50-<2.0
09/18/01	97.86	85.19	12.67	4,800	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2 ⁸
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
03/06/02	98.78	87.20	11.58	30,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
06/21/02	98.78	86.23	12.55	3,800 ¹⁰	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
09/27/02	98.78	85.93	12.85	2,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
12/26/02	98.78	87.87	10.91	3,600	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
03/28/03	98.78	86.77	12.01	2,100	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ⁸	<1 ⁸	<0.8-<2 ⁸
06/16/03 ¹¹	98.78	86.79	11.99	2,400	<50	<0.5	<0.5	<0.5	<1	<0.5	<1 ⁸	0.8 ⁸	<0.5-<2 ⁸
09/15/03 ^{11,12}	98.78	86.07	12.71	4,300	<50	<0.5	<0.5	<0.5	<1	<0.5	<1 ⁸	0.8 ⁸	<0.8-<2 ⁸
12/15/03 ^{11,12}	98.78	87.23	11.55	3,200	<50	<0.5	0.7	<0.5	0.7	<0.5	<1 ⁸	0.8 ⁸	<0.8-<2 ⁸
03/05/04 ^{11,12}	98.78	87.66	11.12	8,000	<50	<0.5	0.6	<0.5	0.7	<0.5	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/18/04 ^{11,12}	98.78	86.21	12.57	3,100	<50	<0.5	<0.5	<0.5	<1	<0.5	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
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)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-4													
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--
12/08/99	96.25	83.81	12.44	--	91.2	0.589	<0.5	0.52	<0.5	86	--	--	--
03/01/00	96.25	84.55	11.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	96.25	84.12	12.13	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	96.25	84.30	11.95	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	96.25	83.85	12.40	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	96.25	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/19/01	96.25	82.83	13.42	--	210 ⁷	7.6	1.4	<0.50	<0.50	10	--	--	--
09/18/01	96.25	83.17	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/01	96.25	83.36	12.89	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	97.14	84.06	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	97.14	83.63	13.51	--	<50	<0.50	12	<0.50	<1.5	<2.5	--	--	--
09/27/02	97.14	83.47	13.67	--	110	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/02	97.14	84.12	13.02	--	<50	<0.50	2.6	<0.50	<1.5	<2.5	--	--	--
03/28/03	97.14	83.71	13.43	--	<50	<0.50	<0.50	<0.50	<1.5	18	--	--	--
06/16/03 ¹¹	97.14	83.10	14.04	--	250	<0.5	31	<0.5	<0.5	<0.5	--	--	--
09/15/03 ^{11,12}	97.14	82.93	14.21	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
12/15/03 ^{11,12}	97.14	84.30	12.84	--	310	<0.5	21	<0.5	1	<0.5	--	--	--
03/05/04 ^{11,12}	97.14	84.00	13.14	--	<50	<0.5	0.7	<0.5	0.6	5	--	--	--
06/18/04 ^{11,12}	97.14	83.14	14.00	--	220	<0.5	<0.5	<0.5	<0.5	1	--	--	--
MW-5													
03/06/02 ⁹	95.71	84.31	11.40	--	4,900	18	2.7	29	9.8	290	--	--	--
06/21/02	95.71	83.29	12.42	--	1,400	3.6	1.4	<0.50	1.6	190	--	--	--
09/27/02	95.71	83.00	12.71	--	540	1.3	<0.50	<0.50	<1.5	190	--	--	--
12/26/02	95.71	85.55	10.16	--	2,600	5.0	0.86	3.6	3.7	170	--	--	--
03/28/03	95.71	84.25	11.46	--	920	3.8	<0.50	2.1	1.7	160	--	--	--
06/16/03 ¹¹	95.71	83.92	11.79	--	600	3	0.9	0.7	0.9	150	--	--	--
09/15/03 ^{11,12}	95.71	83.28	12.43	--	760	<0.5	<0.5	<0.5	<0.5	180	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
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)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-5 (cont)													
12/15/03 ^{11,12}	95.71	85.01	10.70	--	1,200	0.7	0.5	0.6	0.8	120	--	--	--
03/05/04 ^{11,12}	95.71	84.65	11.06	--	1,800	2	0.7	0.7	2	60	--	--	--
06/18/04 ^{11,12}	95.71	83.54	12.17	--	1,700	<0.5	<0.5	<0.5	<0.5	77	--	--	--
MW-6													
03/06/02 ⁹	95.84	85.67	10.17	--	220	<0.50	<0.50	<0.50	<1.5	53	--	--	--
06/21/02	95.84	84.86	10.98	--	<50	<0.50	<0.50	<0.50	<1.5	15	--	--	--
09/27/02	95.84	84.61	11.23	--	<50	<0.50	<0.50	<0.50	<1.5	11	--	--	--
12/26/02	95.84	87.47	8.37	--	57	<0.50	<0.50	<0.50	<1.5	19	--	--	--
03/28/03	95.84	85.53	10.31	--	<50	<0.50	<0.50	<0.50	<1.5	11	--	--	--
06/16/03 ¹¹	95.84	85.50	10.34	--	<50	<0.5	0.6	<0.5	<0.5	5	--	--	--
09/15/03 ^{11,12}	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	6	--	--	--
12/15/03 ^{11,12}	95.84	86.49	9.35	--	<50	<0.5	<0.5	<0.5	<0.5	4	--	--	--
03/05/04 ^{11,12}	95.84	87.04	8.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
06/18/04 ^{11,12}	95.84	85.04	10.80	--	<50	<0.5	<0.5	<0.5	<0.5	2	--	--	--
TRIP BLANK													
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
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)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
TRIP BLANK (cont)													
06/23/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
QA													
12/26/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
09/27/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/28/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/16/03 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
09/15/03 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
12/15/03 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
03/05/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
06/18/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene	1,2-DCB = 1,2-Dichlorobenzene 1,2-DCA = 1,2-Dichloroethane
GWE = Groundwater Elevation (msl) = Mean sea level	T = Toluene E = Ethylbenzene	HVOCs = Halogenated Volatile Organic Compounds ND = Not Detected
DTW = Depth to Water	X = Xylenes	-- = Not Measured/Not Analyzed
TPH-D Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed in February 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark; a standard city of Oakland disc stamped "SEC 50 STA F" set under a standard casting on the monument line of Camden Street and 72 feet westerly of the monument at Seminary and Camden, (Elevation = 90.63 feet).

◆ Analysis by EPA Method 8010.

- 1 Chromatogram pattern indicates an unidentified hydrocarbon.
- 2 Confirmation run.
- 3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND;
Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.
- 4 Laboratory report indicates gasoline C6-C12.
- 5 Laboratory report indicates unidentified hydrocarbons >C16.
- 6 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 7 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 8 Volatile Organic Compounds (VOCs) by EPA Method 8260.
- 9 Well development performed.
- 10 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- 11 BTEX and MTBE by EPA Method 8260.
- 12 Ethanol by EPA Method 8260 was reported as <50 ppb.
- 13 Ethanol by EPA Method 8260 was reported as <130 ppb.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708
 Site Address: 5910 Macarthur Blvd.
 City: Oakland, CA

Job Number: 386395
 Event Date: 6-18-09 (inclusive)
 Sampler: Joe

Well ID: MW-1 Date Monitored: 6-18-09 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 20.25 ft.
 Depth to Water: 12.12 ft.

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

8.13 xVF 0.17 = 1.38 x3 case volume= Estimated Purge Volume: 4.5 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 Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0.2 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): 1008 Weather Conditions: clear
 Sample Time/Date: 1030 6-18-09 Water Color: clear Odor: mild
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ¹⁰⁰⁰	Temperature (C/R)	D.O. (mg/L)	ORP (mV)
<u>1015</u>	<u>1.3</u>	<u>7.29</u>	<u>0.44</u>	<u>63.8</u>	_____	_____
<u>1018</u>	<u>3.5</u>	<u>7.36</u>	<u>0.43</u>	<u>63.9</u>	_____	_____
<u>1022</u>	<u>4.5</u>	<u>7.30</u>	<u>0.43</u>	<u>64.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708
 Site Address: 5910 Macarthur Blvd.
 City: Oakland, CA

Job Number: 386395
 Event Date: 6-18-04 (inclusive)
 Sampler: 502

Well ID: MW-2
 Well Diameter: 2 in.
 Total Depth: 20.20 ft.
 Depth to Water: 15.09 ft.
5.11 xVF = 0.17 = 0.87

Date Monitored: 6.18.04 Well Condition: O.K.

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

x3 case volume = Estimated Purge Volume: 3 gal.

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

Time Started:	_____ (2400 hrs)
Time Bailed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>0</u> 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): 0940 Weather Conditions: clear
 Sample Time/Date: 1002 / 6.18.04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ^{x1000}	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0944</u>	<u>1</u>	<u>7.72</u>	<u>3.97</u>	<u>64.1</u>	_____	_____
<u>0947</u>	<u>2</u>	<u>7.61</u>	<u>4.04</u>	<u>64.0</u>	_____	_____
<u>0950</u>	<u>3</u>	<u>7.66</u>	<u>4.08</u>	<u>64.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 6-18-04 (inclusive)
 City: Oakland, CA Sampler: Soc

Well ID: MW-3 Date Monitored: 6.18.04 Well Condition: o.k.
 Well Diameter: 2 in.
 Total Depth: 20.15 ft.
 Depth to Water: 12.57 ft.
7.58 xVF 0.17 = 1.29 x3 case volume = Estimated Purge Volume: 4 gal.

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

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 0637 Weather Conditions: clear
 Sample Time/Date: 071216-18-04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) ^{x1000}	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0645</u>	<u>1.5</u>	<u>7.18</u>	<u>0.41</u>	<u>65.0</u>	_____	_____
<u>0649</u>	<u>3</u>	<u>7.20</u>	<u>0.38</u>	<u>64.9</u>	_____	_____
<u>0653</u>	<u>4</u>	<u>7.19</u>	<u>0.43</u>	<u>64.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	HVOC'S(8260)
	<u>2</u> 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 #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 6-18-09 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-4 Date Monitored: 6-18-09 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.65 ft.
 Depth to Water: 14.00 ft.
5.65 x VF 0.17 = 0.96 x3 case volume = Estimated Purge Volume: 3 gal.

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

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 0815 Weather Conditions: clear
 Sample Time/Date: 0822 6-18-09 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0825</u>	<u>1</u>	<u>7.20</u>	<u>6.00</u>	<u>64.2</u>	_____	_____
<u>0828</u>	<u>2</u>	<u>7.20</u>	<u>5.71</u>	<u>64.3</u>	_____	_____
<u>0832</u>	<u>3</u>	<u>7.22</u>	<u>5.74</u>	<u>64.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 6-18-04 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-5 Date Monitored: 6-18-04 Well Condition: o.k.

Well Diameter: 2 in.
 Total Depth: 18.70 ft.
 Depth to Water: 12.17 ft.
6.53

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 0.17 = 1.11 x3 case volume = Estimated Purge Volume: 3.5 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 Bailed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 0900 Weather Conditions: clear
 Sample Time/Date: 0933 6-18-04 Water Color: clear Odor: yes
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) ¹⁵⁰⁰	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0912</u>	<u>1</u>	<u>6.75</u>	<u>0.26</u>	<u>63.6</u>	_____	_____
<u>0916</u>	<u>2</u>	<u>6.70</u>	<u>0.30</u>	<u>63.9</u>	_____	_____
<u>0919</u>	<u>3.5</u>	<u>6.73</u>	<u>0.27</u>	<u>63.9</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6 x vva vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 6-18-04 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-6 Date Monitored: 6-18-04 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 18.90 ft.
 Depth to Water: 10.80 ft.
8.10 xVF 0.17 = 1.38 x3 case volume = Estimated Purge Volume: 4.5 gal.

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

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 0730 Weather Conditions: clear
 Sample Time/Date: 0755 6-18-04 Water Color: clear Odor: none
 Purging Flow Rate: 0.5 gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/E)	D.O. (mg/L)	ORP (mV)
<u>0738</u>	<u>1.5</u>	<u>7.10</u>	<u>4.71</u>	<u>64.6</u>	_____	_____
<u>0742</u>	<u>3</u>	<u>7.15</u>	<u>4.67</u>	<u>64.8</u>	_____	_____
<u>0746</u>	<u>4.5</u>	<u>7.20</u>	<u>4.63</u>	<u>64.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10904 Sample #: 4897012-18 SCR#: 900706

061804-02

Facility #: SS#9-9708 G-R#386395 Global ID#T0600102093
 Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA
 Chevron PMS _____ Lead Consultant: GAMBRIAKW
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone: 925-551-7555 Fax: 925-551-7899
 Sampler: JOE ASEMIAN
 Service Order #: _____ Non SAR:

Matrix		Analyses Requested									
		Preservation Codes									
Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 ML scan	Oxygenates	Lead 7420	_____
					<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> 8021	<input type="checkbox"/> GRO	<input type="checkbox"/> Salicyl Gel Cleanup	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> HVOCs (8260)	

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed

Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation

Confirm highest hit by 8260

Confirm all hits by 8260

Run _____ oxy s on highest hit

Run _____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD	TPH 8015 MOD DRO	8260 ML scan	Oxygenates	Lead 7420	_____
<u>QA</u>	<u>-</u>	<u>-</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-1</u>	<u>6-18-04</u>	<u>1030</u>							<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-2</u>		<u>1002</u>							<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-3</u>		<u>0712</u>							<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>MW-4</u>		<u>0842</u>							<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-5</u>	<input checked="" type="checkbox"/>	<u>0933</u>							<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-6</u>		<u>0755</u>							<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

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
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>6-18-04</u>	Time: <u>1200</u>	Received by: <u>[Signature]</u>	Date: <u>6/18/04</u>	Time: <u>1200</u>
Relinquished by: <u>[Signature]</u>	Date: <u>6/18/04</u>	Time: <u>600</u>	Received by: <u>[Signature]</u>	Date: <u>6/18/04</u>	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by Commercial Carrier: UPS FedEx Other _____	Temperature Upon Receipt: <u>2</u> °C		Received by: <u>[Signature]</u>	Date: <u>6/19/04</u>	Time: <u>0940</u>
Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					



Analysis Report

2425 New Holland Pike PO Box 19425 Lancaster PA 17605-2425 Tel: 717-466-2500 Fax: 717-466-2501 www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

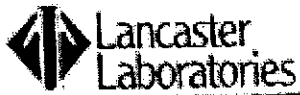
SAMPLE GROUP

The sample group for this submittal is 900706. Samples arrived at the laboratory on Saturday, June 19, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-040618	NA Water	4297012
MW-1-W-040618	Grab Water	4297013
MW-2-W-040618	Grab Water	4297014
MW-3-W-040618	Grab Water	4297015
MW-4-W-040618	Grab Water	4297016
MW-5-W-040618	Grab Water	4297017
MW-6-W-040618	Grab Water	4297018

1 COPY TO Cambria C/O Gettler- Ryan
ELECTRONIC Gettler-Ryan
COPY TO

Attn: Deanna L. Harding
Attn: Cheryl Hansen



Analysis Report

2425 New Holland Plaza, PO Box 19426 Lancaster, Pa. 17602-2425 • 717-656-2600 Fax 717-656-2601 • www.lancasterlab.com

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

Respectfully Submitted,

A handwritten signature in cursive script that reads "Michele M. Turner".

Michele M. Turner
Manager



Analysis Report

2425 New Holland Pk., PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-3601 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 4297012

QA-T-040618 NA Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 QA
Collected: 06/18/2004

Account Number: 10904

Submitted: 06/19/2004 09:40
Reported: 07/01/2004 at 13:07
Discard: 08/01/2004

ChevronTexaco
6001 Hollinger Canyon Rd L4310
San Ramon CA 94583

MBOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/22/2004 19:18	Victoria M Martell	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	06/24/2004 19:51	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004 19:18	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/24/2004 19:51	Shawn J Rice	n.a.



Analysis Report

2425 New Holland Pike, PO Box 12426, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2601 • www.lancasterlab.com

Lancaster Laboratories Sample No. WW 4297013

MW-1-W-040618 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-1
Collected: 06/18/2004 10:30 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
Reported: 07/01/2004 at 13:07
Discard: 08/01/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MBO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.	n.a.	1,400.	250.	ug/l	5
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	740.	3.	ug/l	5
05401	Benzene	71-43-2	200.	3.	ug/l	5
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	7.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	2.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/22/2004 19:46	Victoria M Martell	5
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/23/2004 20:32	Shawn J Rice	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/23/2004 20:58	Shawn J Rice	5
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004 19:46	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/23/2004 20:32	Shawn J Rice	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4297014

MW-2-W-040618 Grab Water GRD
Facility# 99708 Job# 386395
5910 MacArthur-Oakland T0600102093 MW-2
Collected: 06/18/2004 10:02 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
Reported: 07/01/2004 at 13:07
Discard: 08/01/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MBO02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	60.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	1,900.	5.	ug/l	10
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/23/2004 09:43	Victoria M Martell	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/24/2004 03:11	Elizabeth M Taylor	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/24/2004 03:38	Elizabeth M Taylor	10
01146	GC VOA Water Prep	SW-846 5030B	1	06/23/2004 09:43	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/24/2004 03:11	Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. WW 4297015

MW-3-W-040618 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-3
 Collected: 06/18/2004 07:12 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
 Reported: 07/01/2004 at 13:08
 Discard: 08/01/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MBO03

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.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,100.	130.	ug/l	5
	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).					
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05383	EPA SW846/8260 (water) cont					
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. WW 4297015

MW-3-W-040618 Grab Water GRD
 Facility# 99708 Job# 386395
 5910 MacArthur-Oakland T0600102093 MW-3
 Collected: 06/18/2004 07:12 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
 Reported: 07/01/2004 at 13:08
 Discard: 08/01/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MBO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
08203	Freon 113	76-13-1	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		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	06/22/2004	20:44	Victoria M Martell	1
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	06/29/2004	12:44	Devin M Hetrick	5
05382	EPA SW846/8260 (water)	SW-846 8260B	1	06/26/2004	14:07	Joshua P Schaeffer	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	06/26/2004	14:07	Joshua P Schaeffer	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	06/26/2004	14:07	Joshua P Schaeffer	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004	20:44	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/26/2004	14:07	Joshua P Schaeffer	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	06/22/2004	04:00	Eryn E Landis	1



Analysis Report

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Lancaster Laboratories Sample No. WW 4297016

MW-4-W-040618 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-4
Collected: 06/18/2004 08:42 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
Reported: 07/01/2004 at 13:08
Discard: 08/01/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MBO04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	220.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
01594	ETEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	1.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/22/2004 21:13	Victoria M Martell	1
01594	ETEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/24/2004 04:04	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004 21:13	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/24/2004 04:04	Elizabeth M Taylor	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4297017

MW-5-W-040618 Grab Water GRD
Facility# 99708 Job# 386395
5910 MacArthur-Oakland T0600102093 MW-5
Collected: 06/18/2004 09:33 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
Reported: 07/01/2004 at 13:08
Discard: 08/01/2004

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MBO05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	1,700.	50.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH						
01587	Ethanol	64-17-5	N.D.	50.		ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	77.	0.5		ug/l	1
05401	Benzene	71-43-2	N.D.	0.5		ug/l	1
05407	Toluene	108-88-3	N.D.	0.5		ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5		ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5		ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/22/2004 21:42		Victoria M Martell	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/24/2004 04:31		Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004 21:42		Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/24/2004 04:31		Elizabeth M Taylor	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4297018

MW-6-W-040618 Grab Water GRD
 Facility# 99708 Job# 386395
 5910 MacArthur-Oakland T0600102093 MW-6
 Collected: 06/18/2004 07:55 by JA

Account Number: 10904

Submitted: 06/19/2004 09:40
 Reported: 07/01/2004 at 13:08
 Discard: 08/01/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MBO06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	06/22/2004 22:11	Victoria M Martell	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	06/24/2004 00:06	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/22/2004 22:11	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/24/2004 00:06	Elizabeth M Taylor	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 07/01/04 at 01:08 PM

Group Number: 900706

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: 041730013A TPH - DRO CA LUFT (Waters)	Sample number(s): 4297015 N.D.	50.	ug/l	90	90	61-126	0	20
Batch number: 04174A08B TPH-GRO - Waters	Sample number(s): 4297012-4297013, 4297015-4297018 N.D.	50.	ug/l	108	114	70-130	5	30
Batch number: 04174A08D TPH-GRO - Waters	Sample number(s): 4297014 N.D.	50.	ug/l	108	114	70-130	5	30
Batch number: N041781AA	Sample number(s): 4297015							
Ethanol	N.D.	50.	ug/l	96		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		77-127		
Chloromethane	N.D.	1.	ug/l	103		69-136		
Vinyl Chloride	N.D.	1.	ug/l	104		71-129		
Bromomethane	N.D.	1.	ug/l	110		46-138		
Chloroethane	N.D.	1.	ug/l	108		59-133		
Trichlorofluoromethane	N.D.	2.	ug/l	104		59-137		
1,1-Dichloroethene	N.D.	0.8	ug/l	107		79-130		
Methylene Chloride	N.D.	2.	ug/l	105		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	108		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	106		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	103		84-117		
Chloroform	N.D.	0.8	ug/l	108		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	109		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	109		77-130		
Benzene	N.D.	0.5	ug/l	107		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	108		77-132		
Trichloroethene	N.D.	1.	ug/l	106		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	104		80-117		
Bromodichloromethane	N.D.	1.	ug/l	106		83-121		
Toluene	N.D.	0.5	ug/l	100		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	97		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	103		82-126		
Dibromochloromethane	N.D.	1.	ug/l	99		78-119		
Chlorobenzene	N.D.	0.8	ug/l	102		85-115		
Ethylbenzene	N.D.	0.5	ug/l	100		82-119		
m+p-Xylene	N.D.	0.5	ug/l	100		84-120		
o-Xylene	N.D.	0.5	ug/l	100		84-120		
Bromoform	N.D.	1.	ug/l	97		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	90		72-119		
1,3-Dichlorobenzene	N.D.	1.	ug/l	98		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	99		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	98		81-112		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	101		79-114		

*- 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

Group Number: 900706

Reported: 07/01/04 at 01:08 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,2-Dichloropropene	N.D.	1.	ug/l	106		78-114		
Freon 113	N.D.	2.	ug/l	104		73-140		
Batch number: P041752AA								
Sample number(s): 4297013								
Ethanol	N.D.	50.	ug/l	83		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		77-127		
Benzene	N.D.	0.5	ug/l	104		85-117		
Toluene	N.D.	0.5	ug/l	105		85-115		
Ethylbenzene	N.D.	0.5	ug/l	107		82-119		
Xylene (Total)	N.D.	0.5	ug/l	107		84-120		
Batch number: P041754AA								
Sample number(s): 4297014, 4297016-4297018								
Ethanol	N.D.	50.	ug/l	89		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		77-127		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	100		82-119		
Xylene (Total)	N.D.	0.5	ug/l	100		84-120		
Batch number: P041761AA								
Sample number(s): 4297012								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		77-127		
Benzene	N.D.	0.5	ug/l	107		85-117		
Toluene	N.D.	0.5	ug/l	105		85-115		
Ethylbenzene	N.D.	0.5	ug/l	103		82-119		
Xylene (Total)	N.D.	0.5	ug/l	104		84-120		

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: 04174A08B									
Sample number(s): 4297012-4297013, 4297015-4297018									
TPH-GRO - Waters			123 63-154						
Batch number: 04174A08D									
Sample number(s): 4297014									
TPH-GRO - Waters			123 63-154						
Batch number: N041761AA									
Sample number(s): 4297015									
Ethanol	72	84	41-155	15	30				
Methyl Tertiary Butyl Ether	107	107	69-134	0	30				
Chloromethane	114	111	70-148	2	30				
Vinyl Chloride	116	114	70-151	1	30				
Bromomethane	116	116	52-140	0	30				
Chloroethane	118	117	63-142	1	30				
Trichlorofluoromethane	126	123	67-163	3	30				
1,1-Dichloroethene	125	121	78-146	3	30				
Methylene Chloride	112	109	79-133	2	30				
trans-1,2-Dichloroethene	115	114	82-133	1	30				
1,1-Dichloroethane	112	112	85-135	0	30				
cis-1,2-Dichloroethene	135*	132*	83-126	2	30				
Chloroform	114	115	82-131	1	30				
1,1,1-Trichloroethane	122	122	82-135	0	30				
Carbon Tetrachloride	124	124	73-144	0	30				

*- Outside of specification

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/01/04 at 01:08 PM

Group Number: 900706

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	PPD MAX	PKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	115	112	83-128	1	30				
1,2-Dichloroethane	111	108	73-136	2	30				
Trichloroethene	116	117	75-135	1	30				
1,2-Dichloropropane	109	108	81-121	2	30				
Bromodichloromethane	113	110	83-121	2	30				
Toluene	106	106	83-127	0	30				
1,1,2-Trichloroethane	100	101	77-125	1	30				
Tetrachloroethene	109	107	75-143	1	30				
Dibromochloromethane	102	100	73-119	2	30				
Chlorobenzene	(2)	(2)	83-120	1	30				
Ethylbenzene	107	107	82-129	0	30				
m+p-Xylene	106	105	82-130	1	30				
o-Xylene	105	104	82-130	1	30				
Bromoform	97	99	64-119	1	30				
1,1,2,2-Tetrachloroethane	92	90	69-121	2	30				
1,3-Dichlorobenzene	102	100	79-123	2	30				
1,4-Dichlorobenzene	101	102	81-122	1	30				
1,2-Dichlorobenzene	101	98	82-117	2	30				
trans-1,3-Dichloropropene	105	102	75-117	3	30				
cis-1,3-Dichloropropene	112	109	76-117	2	30				
Freon 113	129	129	73-166	0	30				

Batch number: P041752AA
Ethanol
Methyl Tertiary Butyl Ether
Benzene
Toluene
Ethylbenzene
Xylene (Total)

Sample number(s): 4297013
79 83 41-155 5 30
101 103 69-134 1 30
108 110 83-128 1 30
110 110 83-127 0 30
109 109 82-129 1 30
107 107 82-130 0 30

Batch number: P041754AA
Ethanol
Methyl Tertiary Butyl Ether
Benzene
Toluene
Ethylbenzene
Xylene (Total)

Sample number(s): 4297014, 4297016-4297018
104 76 41-155 31* 30
103 100 69-134 2 30
107 106 83-128 1 30
108 109 83-127 1 30
109 108 82-129 0 30
107 107 82-130 0 30

Batch number: P041761AA
Methyl Tertiary Butyl Ether
Benzene
Toluene
Ethylbenzene
Xylene (Total)

Sample number(s): 4297012
99 97 69-134 1 30
105 105 83-128 0 30
102 99 83-127 3 30
101 103 82-129 1 30
102 101 82-130 1 30

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 041730013A
Orthoterphenyl

4297015 103

*- 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
Reported: 07/01/04 at 01:08 PM

Group Number: 900706

Surrogate Quality Control

Blank 89
LCS 119
LCSD 123

Limits: 57-128

Analysis Name: TPH-GRO - Waters
Batch number: 04174A08B
Trifluorotoluene-F

4297012 105
4297013 107
4297015 105
4297016 109
4297017 121
4297018 105
Blank 105
LCS 109
LCSD 108
MS 110

Limits: 57-146

Analysis Name: TPH-GRO - Waters
Batch number: 04174A08D
Trifluorotoluene-F

4297014 107
Blank 106
LCS 109
LCSD 108
MS 110

Limits: 57-146

Analysis Name: EPA SW846/8260 (water)
Batch number: N041781AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4297015	100	96	100	103
Blank	100	95	100	102
LCS	99	98	100	104
MS	101	102	99	105
MSD	101	99	100	106

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: P041752AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4297013	106	109	107	105
Blank	107	107	107	106
LCS	107	106	107	106
MS	108	108	107	107
MSD	107	106	106	107

Limits: 81-120

82-112

85-112

83-113

*- Outside of specification

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

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/01/04 at 01:08 PM

Group Number: 900706

Surrogate Quality Control

Analysis Name: BTEX+5 Oxygenates+EDC+EDE+ETOH
Batch number: P041754AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4297014	106	107	105	105
4297016	106	104	105	110
4297017	109	107	105	109
4297018	107	105	108	106
Blank	107	106	107	105
LCS	106	104	108	106
MS	107	107	106	105
MSD	108	107	107	106
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: P041761AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4297012	109	107	107	104
Blank	110	107	107	106
LCS	108	107	107	105
MS	109	108	107	105
MSD	109	108	107	105
Limits:	81-120	82-112	85-112	83-113

*- Outside of specification

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

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>$ 25%	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	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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