

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

EC

_____, June 27, 2003

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4/6*

ChevronTexaco

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

Alameda County
JUL 03 2003
Environmental Health

Re: Chevron Service Station # 9-4930

Address: 3369 ~~3969~~ Castro Valley Blvd., Castro Valley, CA

June . , 2003

I have reviewed the attached routine groundwater monitoring report dated _____.

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

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

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

Sincerely,

Karen Streich

Karen Streich
Project Manager

Enclosure: Report



GETTLER-RYAN INC.

TRANSMITTAL

June 12, 2003

G-R #386509

TO: Mr. Robert Foss
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608

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

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

RE: Former Chevron Service Station
#9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Alameda County
JUL 02 2003
Environmental Health

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	June 9, 2003	Groundwater Monitoring and Sampling Report Second Quarter - Event of May 7, 2003

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **June 26, 2003**, at which time the final report will be distributed to the following:

cc: Mr. Amir Gholami, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502
Mr. Chuck Headlee, RWQCB - San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Ms. Anna Counelis and Tula Gallanes, 109 Casa Vieja, Orinda, CA 94563

Enclosures

trans/9-4930-ks



GETTLER-RYAN INC.

June 9, 2003
G-R Job #386509

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

RE: Second Quarter Event of May 7, 2003
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-4930
3369 Castro Valley Boulevard
Castro Valley, California

Dear Ms. Streich:

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

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

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding
Project Coordinator

Robert C. Mallory
Registered Geologist, No. 7285

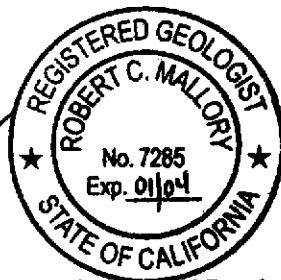
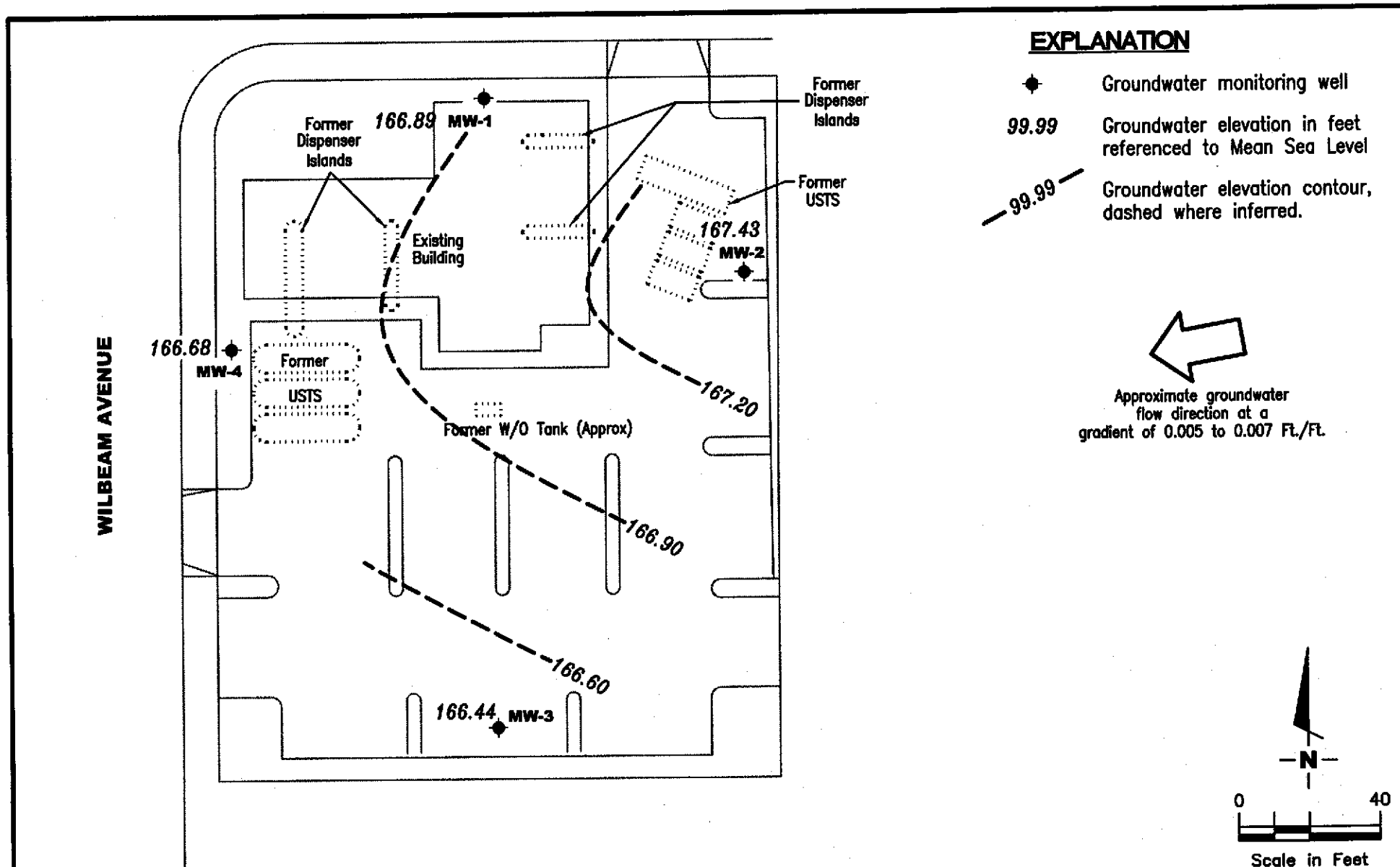


Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



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

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

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

FIGURE

1

PROJECT NUMBER
 386509

REVIEWED BY

DATE
 May 7, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-4930\003-9-4930.DWG | Layout Tab: Pot2

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1													
10/29/93	172.90	166.15	6.75	1,000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	670	35	3.5	43	3.9	--	0.8	16	14	47
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	560	43	9.5	25	5.0	--	1.3	19	13	65
11/11/94	172.90	167.00	5.90	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	240	25	0.6	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	350	36	<0.5	30	<0.5	15	--	--	--	--
01/26/96	172.90	166.85	6.05	210	23	<0.5	12	<0.5	4.7	--	--	--	--
05/08/96	172.90	166.50	6.40	310	42	2.3	56	1.1	52	--	--	--	--
10/03/96	173.53	166.61	6.92	240	31	<0.5	1.7	<0.5	18	--	--	--	--
02/04/97	173.53	167.02	6.51	200	9.9	<0.5	3.7	<0.5	16	--	--	--	--
04/30/97	173.53	166.64	6.89	260	11	<0.5	17	<0.5	13	--	--	--	--
07/22/97	173.53	166.49	7.04	170	5.0	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	173.53	166.55	6.98	230	13	<0.5	7.8	0.68	-- ¹	--	--	--	--
02/11/98	173.53	167.52	6.01	110	3.1	0.63	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	173.53	166.72	6.81	170	4.2	1.8	2.1	<0.5	<2.5	--	--	--	--
08/07/98	173.53	167.01	6.52	110	5.2	<0.5	6.7	<0.5	13	--	--	--	--
11/05/98	173.53	166.58	6.95	160	1.8	<0.5	<0.5	0.53	<2.5	--	--	--	--
03/02/99	173.53	166.97	6.56	119	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	173.53	166.89	6.64	153	3.17	<0.5	0.791	<0.5	<5.0	--	--	--	--
08/24/99	173.53	166.40	7.13	96.2	1.38	<0.5	<0.5	<0.5	14.7	--	--	--	--
11/19/99	173.53	166.92	6.61	209	13.1	1.68	12.3	<0.5	3.79	--	--	--	--
02/03/00	173.53	168.30	5.23	95	1.4	<0.5	<0.5	<0.5	15	--	--	--	--
05/03/00	173.53	166.52	7.01	120 ²	0.92	<0.50	<0.50	<0.50	12	--	--	--	--
07/28/00	173.53	166.45	7.08	100 ²	<0.50	<0.50	<0.50	<0.50	21	--	--	--	--
11/13/00	173.53	169.41	4.12	73.0 ³	1.14	<0.500	<0.500	<0.500	27.0	--	--	--	--
02/15/01	173.53	166.86	6.67	148 ⁴	2.34	<0.500	<0.500	<0.500	<2.50	--	--	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-1 (cont)													
05/31/01	173.53	166.48	7.05	97 ²	1.5	<0.50	<0.50	<0.50	3.0/2.1 ⁵	--	--	--	--
08/30/01 ⁶	173.53	166.21	7.32	410	4.8	<0.50	1.4	<0.50	-/<5.0 ⁵	--	--	--	--
11/29/01	173.53	166.78	6.75	180	5.7	<0.50	2.3	<1.5	<2.5	--	--	--	--
02/05/02	173.53	166.73	6.80	120	1.9	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02 ⁷	173.53	166.43	7.10	120	1.00	<0.50	<0.50	<1.5	2.9	--	41	<2	300
08/15/02	173.53	166.42	7.11	110	1.7	<0.50	<0.50	<1.5	<2.5	--	--	--	--
11/05/02	173.53	166.20	7.33	130	1.9	<0.50	<0.50	<1.5	<5.0	--	--	--	--
02/05/03	173.53	166.51	7.02	120	1.5	<0.50	<0.50	<1.5	<10	--	--	--	--
05/07/03	173.53	166.89	6.64	110	0.7	<0.5	<0.5	<1.5	<10	--	--	--	--
MW-2													
10/29/93	173.91	166.05	7.86	5,600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	1,100	160	0.8	64	2.0	--	<0.5	0.9	<0.5	2.0
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	190	7.1	4.1	3.1	1.2	--	<0.5	1.1	<0.5	4.5
11/11/94	173.91	167.08	6.83	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	190	46	<0.5	1.6	<0.5	<2.5	--	--	--	--
01/26/96	173.91	168.13	5.78	<50	13	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	173.91	166.76	7.15	<50	4.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	172.67	166.66	6.01	63	4.3	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	172.67	167.40	5.27	<50	1.6	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	172.67	166.74	5.93	<50	5.4	<0.5	0.8	<0.5	<2.5	--	--	--	--
07/22/97	172.67	166.53	6.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/03/97	172.67	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--	--
02/11/98	172.67	167.95	4.72	<50	0.52	0.63	<0.5	<0.5	<2.5	--	--	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-2 (cont)													
05/08/98	172.67	167.07	5.60	<50	1.1	1.2	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	172.67	166.33	6.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	172.67	166.59	6.08	120	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	172.67	167.41	5.26	67	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	172.67	167.71	4.96	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	172.67	165.33	7.34	<50	1.18	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	172.67	166.84	5.83	<50	4.29	0.907	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	172.67	167.24	5.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	172.67	166.81	5.86	100 ²	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	172.67	166.76	5.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	172.67	166.69	5.98	82.8 ³	0.825	<0.500	<0.500	<0.500	25.0	--	--	--	--
02/15/01	172.67	167.25	5.42	161 ⁴	0.808	<0.500	<0.500	<0.500	30.3	--	--	--	--
05/31/01	172.67	166.91	5.76	120 ²	3.0	<0.50	<0.50	<0.50	29/26 ⁵	--	--	--	--
08/30/01 ⁶	172.67	166.55	6.12	450	2.2	<0.50	<0.50	<0.50	--/27 ⁵	--	--	--	--
11/29/01	172.67	167.29	5.38	250	1.3	<0.50	<0.50	<1.5	17	--	--	--	--
02/05/02	172.67	166.97	5.70	190	1.3	<0.50	<0.50	<1.5	7.5	--	--	--	--
05/16/02 ⁸	172.67	166.63	6.04	230	0.87	<0.50	<0.50	<1.5	5.3	--	35	<2	640
08/15/02	172.67	166.73	5.94	200	2.7	<0.50	<0.50	<1.5	3.3	--	--	--	--
11/05/02	172.67	166.42	6.25	340	<0.50	<0.50	<0.50	<1.5	2.7	--	--	--	--
02/05/03	172.67	166.87	5.80	250	3.1	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	172.67	167.43	5.24	170	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
MW-3													
10/29/93	172.60	164.96	7.64	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	2.0	<0.5	220
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	1.6	<0.5	320
11/11/94	172.60	165.73	6.87	SAMPLED SEMI-ANNUALLY									

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)	
MW-3 (cont)														
02/01/95	172.60	167.03	5.57	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--	
08/22/95	172.60	165.35	7.25	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--	
01/26/96	172.60	167.35	5.25	160	<2.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
05/08/96	172.60	165.55	7.05	--	--	--	--	--	--	--	--	--	--	
10/03/96	170.47	165.29	5.18	150	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
02/04/97	170.47	166.27	4.20	88	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
04/30/97	170.47	165.37	5.10	--	--	--	--	--	--	--	--	--	--	
07/22/97	170.47	165.15	5.32	180	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
11/03/97	170.47	165.12	5.35	--	--	--	--	--	--	--	--	--	--	
02/11/98	170.47	167.47	3.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
05/08/98	170.47	165.96	4.51	--	--	--	--	--	--	--	--	--	--	
08/07/98	170.47	165.26	5.21	110	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
11/05/98	170.47	165.35	5.12	--	--	--	--	--	--	--	--	--	--	
03/02/99	170.47	166.19	4.28	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	
05/17/99	170.47	165.82	4.65	--	--	--	--	--	--	--	--	--	--	
08/24/99	170.47	164.76	5.71	352	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
11/19/99	170.47	164.64	5.83	--	--	--	--	--	--	--	--	--	--	
02/03/00	170.47	165.55	4.92	140	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--	
05/03/00	170.47	165.54	4.93	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--	--
07/28/00	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--
11/13/00	170.47	165.29	5.18	--	--	--	--	--	--	--	--	--	--	
02/15/01	170.47	166.10	4.37	310 ⁴	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--	
05/31/01	170.47	165.62	4.85	230 ²	<1.0	<1.0	<1.0	<1.0	5.2/2.4 ⁵	--	--	--	--	
08/30/01	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--
11/29/01	170.47	166.12	4.35	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--	--
02/05/02	170.47	165.63	4.84	360	<0.50	<0.50	<0.50	<1.5	2.8	--	--	--	--	
05/16/02 ⁹	170.47	165.37	5.10	340	<0.50	<0.50	<0.50	<1.5	3.4	--	37	<2	990	
08/15/02	170.47	164.91	5.56	370	<0.50	<0.50	<0.50	<1.5	3.1	--	--	--	--	
11/05/02	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--
02/05/03	170.47	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--	--	--
05/07/03	170.47	166.44	4.03	SAMPLED SEMI-ANNUALLY				--	--	--	--	--	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-4													
10/29/93	170.68	165.18	5.50	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	1,700	130	1.4	100	11	--	22	59	13	180
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	800	17	3.5	9.3	4.4	--	25	53	22	510
11/11/94	170.68	165.46	5.22	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	1,600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	1,300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	320	3.3	<0.5	4.1	<0.5	--	--	--	--	--
01/26/96	170.68	166.40	4.28	1,400	65	<2.5	98	71	100	--	--	--	--
05/08/96	170.68	165.33	5.35	610	28	1.2	58	4.4	70	--	--	--	--
10/03/96	171.70	165.48	6.22	210	4.2	<0.5	<0.5	<0.5	12	--	--	--	--
02/04/97	171.70	166.57	5.13	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	--
04/30/97	171.70	165.60	6.10	870	49	<2.0	100	<2.0	18	--	--	--	--
07/22/97	171.70	165.36	6.34	420	16	<0.5	23	<0.5	9.4	--	--	--	--
11/03/97	171.70	165.35	6.35	370	8.1	0.54	10	7.6	30	--	--	--	--
02/11/98	171.70	167.16	4.54	<50	2.0	0.58	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	171.70	166.25	5.45	230	13	2.3	37	4.3	15	--	--	--	--
08/07/98	171.70	166.57	5.13	85	4.8	<0.5	11	0.87	57	--	--	--	--
11/05/98	171.70	165.31	6.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	171.70	166.65	5.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	171.70	166.40	5.30	<50	0.9	<0.5	0.843	<0.5	<5.0	--	--	--	--
08/24/99	171.70	164.35	7.35	<50	0.893	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/19/99	171.70	INACCESSIBLE	--	--	--	--	--	--	--	--	--	--	--
02/03/00	171.70	166.35	5.35	<50	<0.5	<0.5	<0.5	<0.5	2.9	--	--	--	--
05/03/00	171.70	165.72	5.98	110 ²	1.1	<0.50	0.51	<0.50	12	--	--	--	--
07/28/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING											
11/13/00	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING											
02/15/01	171.70	UNABLE TO LOCATE - DUE TO LANDSCAPING											

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
MW-4 (cont)													
05/31/01	171.70	166.62	5.08	<50	0.63	<0.50	<0.50	<0.50	<2.5/<2.0 ⁵	--	--	--	--
08/30/01 ⁶	171.70	165.30	6.40	560	3.6	<0.50	21	1.3	-/<5.0 ⁵	--	--	--	--
11/29/01	171.70	166.05	5.65	210	1.5	<0.50	6.6	<1.5	<5.0	--	--	--	--
02/05/02	171.70	165.83	5.87	71	<0.50	<0.50	1.0	<1.5	<2.5	--	--	--	--
05/16/02 ¹⁰	171.70	165.49	6.21	160	<0.50	<0.50	<0.50	<1.5	4.9	--	46	<2	420
08/15/02	171.70	165.49	6.21	150	2.8	<0.50	2.5	<1.5	2.5	--	--	--	--
11/05/02	171.70	165.24	6.46	290	<0.50	<0.50	<0.50	<1.5	6.5	--	--	--	--
02/05/03	171.70	165.64	6.06	68	1.2	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	171.70	166.68	5.02	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--
TRIP BLANK													
02/25/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
01/26/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
10/03/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/04/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
04/30/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
07/22/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/11/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/08/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
08/07/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
11/05/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
05/17/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
08/24/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCE (ppb)	TCE (ppb)	DCFM (ppb)	PCE (ppb)
TRIP BLANK (cont)													
11/19/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
02/03/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
05/03/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
07/28/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
11/13/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
02/15/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--	--
05/31/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--	--
08/30/01 ⁶	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	-/<5.0 ⁵	--	--	--	--
QA													
11/29/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/16/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
08/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
11/05/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
02/05/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--
05/07/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--

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

WELL ID	DATE	METHANOL (ppm)	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
MW-1	05/31/01	<1.000	<500	<20	2.1	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
MW-2	05/31/01	<1.000	<500	<20	26	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	27	--	--	--	--	--
MW-3	05/31/01	<1.000	<500	<20	2.4	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	INACCESSIBLE - TRUCK PARKED OVER WELL				--	--	--	--	--
MW-4	05/31/01	<1.000	<500	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
	08/30/01	--	--	--	<5.0	--	--	--	--	--
TRIP BLANK	08/30/01	--	--	--	<5.0	--	--	--	--	--

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 1,2-DCA = 1,2-Dichloroethane
 EDB = Ethylene dibromide
 (ppm) = Parts per million
 (ppb) = Parts per billion
 -- = Not Analyzed

ANALYTICAL METHODS:

EPA Method 8015 (Modified) for Methanol
 EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509
 Site Address: 3369 Castro Valley Blvd. Event Date: 5/7/03 (inclusive)
 City: Castro Valley, CA Sampler: G.R.

Well ID: MW-1 Date Monitored: 5/7/03 Well Condition: OK

Well Diameter: 2 in.
 Total Depth: 18.25 ft.
 Depth to Water: 6.64 ft.
11.61 xVF 0.17 = 1.97 x3 (case volume) = Estimated Purge Volume: 6 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	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
 Product Transferred to: _____

Start Time (purge): 0945 Weather Conditions: Overcast
 Sample Time/Date: 1010 5/7/03 Water Color: light Brown Odor: NO
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°C)	D.O. (mg/L)	ORP (mV)
<u>0951</u>	<u>2</u>	<u>7.53</u>	<u>408</u>	<u>16.7</u>	_____	_____
<u>0955</u>	<u>4</u>	<u>7.39</u>	<u>396</u>	<u>16.5</u>	_____	_____
<u>0958</u>	<u>6</u>	<u>7.42</u>	<u>394</u>	<u>16.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New well Depth

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509
 Site Address: 3369 Castro Valley Blvd. Event Date: 5/7/03 (inclusive)
 City: Castro Valley, CA Sampler: G.R.

Well ID: MW-2 Date Monitored: 5/7/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 16.60 ft.

Depth to Water: 5.24 ft.

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

11.36 x VF 0.17 = 1.93 x3 (case volume) = Estimated Purge Volume: 6 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
 Product Transferred to: _____

Start Time (purge): 1020 Weather Conditions: Overcast
 Sample Time/Date: 1055 5/7/03 Water Color: _____ Odor: _____
 Purging Flow Rate: _____ 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>1024</u>	<u>2</u>	<u>7.29</u>	<u>784</u>	<u>16.4</u>	_____	_____
<u>1030</u>	<u>4</u>	<u>7.24</u>	<u>776</u>	<u>16.5</u>	_____	_____
<u>1034</u>	<u>6</u>	<u>7.22</u>	<u>778</u>	<u>16.5</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x vov vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New well Depth

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930 Job Number: 386509
 Site Address: 3369 Castro Valley Blvd. Event Date: 5/7/03 (inclusive)
 City: Castro Valley, CA Sampler: G.R.

Well ID: MW-3
 Well Diameter: 2 in.
 Total Depth: 17.50 ft.
 Depth to Water: 4.03 ft.

Date Monitored: 5/7/03 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 = _____ x3 (case volume) = Estimated Purge Volume: _____ 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 / Absorbent Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Product Transferred to: _____

Start Time (purge): _____ Weather Conditions: _____
 Sample Time/Date: 1 Water Color: _____ Odor: _____
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voc vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8021)

COMMENTS:

New well Depth Monitor Only - this event

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-4930
 Site Address: 3369 Castro Valley Blvd.
 City: Castro Valley, CA

Job Number: 386509
 Event Date: 5/7/03 (inclusive)
 Sampler: G.B.

Well ID: MW-4 Date Monitored: 5/7/03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 17.80 ft.
 Depth to Water: 5.02 ft
12.78 x VF 0.17 = 2.17 x3 (case volume) = Estimated Purge Volume: 6.5 gal.

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

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

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

Time Started: _____ (2400 hrs)
 Time 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
 Product Transferred to: _____

Start Time (purge): 0905 Weather Conditions: Overcast
 Sample Time/Date: 0935 / 5/7/03 Water Color: Clear Odor: No
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? No If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>0911</u>	<u>2</u>	<u>7.28</u>	<u>486</u>	<u>16.6</u>	_____	_____
<u>0914</u>	<u>4</u>	<u>7.21</u>	<u>479</u>	<u>16.5</u>	_____	_____
<u>0919</u>	<u>6.5</u>	<u>7.21</u>	<u>480</u>	<u>16.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8021)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: New well Dept

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

Chevron California Region Analysis Request/Chain of Custody



61P # 851212
For Lancaster Laboratories use only

Acct. #: 10904 Sample #: 4040681-84 SCR#: _____

050703-008

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

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

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 GRO	TPH 8015 MOD DRO	8260 Full scan	Oxygenates	Lead 7420	7421
QA	5/7/03					X				X	X					
MW-1		1010	X			X			3	X	X					
MW-2		1055	X			X			3	X	X					
MW-4		0935	X			X			3	X	X					

Comments / Remarks

050703-008

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>5/7/03</u>	Time: _____	Received by: <u>[Signature]</u>	Date: <u>5/7/03</u>	Time: <u>1830</u>
Relinquished by: _____	Date: <u>5/7/03</u>	Time: <u>1330</u>	Received by: <u>Andres Amaya</u>	Date: <u>5/7/03</u>	Time: <u>1330</u>
Relinquished by: <u>Andres Amaya</u>	Date: <u>5/7/03</u>	Time: <u>1530</u>	Received by: <u>Airborne</u>	Date: <u>5/7/03</u>	Time: _____
Relinquished by Commercial Carrier: _____	UPS FedEx Other: <u>Airborne</u>		Received by: <u>Dennis Miller</u>	Date: <u>5/8/03</u>	Time: <u>0930</u>
Temperature Upon Receipt: <u>3.5 °C</u>	Custody Seals Intact? <u>Yes</u> No				

ANALYTICAL RESULTS

RECEIVED

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583
925-842-8582

GETTLER-RYAN INC
GENERAL CONTRACTORS

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 851212. Samples arrived at the laboratory on Thursday, May 08, 2003. The PO# for this group is 99011184 and the release number is STREICH.

Client Description

QA-T-030507	NA	Water
MW-1-W-030507	Grab	Water
MW-2-W-030507	Grab	Water
MW-4-W-030507	Grab	Water

Lancaster Labs Number

4040681
4040682
4040683
4040684

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

Attn: Cheryl Hansen

Attn: Deanna L. Harding

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

Respectfully Submitted,



Victoria M. Nardi
Chemist

Lancaster Laboratories Sample No. WW 4040681

Collected: 05/07/2003 00:00

Account Number: 10904

Submitted: 05/08/2003 09:30

ChevronTexaco

Reported: 05/14/2003 at 11:52

6001 Bollinger Canyon Rd L4310

Discard: 06/14/2003

QA-T-030507

NA

Water

San Ramon CA 94583

Facility# 94930

Job# 386509

GRD

3369 Castro Valley Blvd T0600100137 QA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	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
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/12/2003 19:23	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	05/12/2003 19:23	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/12/2003 19:23	Linda C Pape	n.a.

Lancaster Laboratories Sample No. WW 4040682

Collected: 05/07/2003 10:10 by GR

Account Number: 10904

 Submitted: 05/08/2003 09:30
 Reported: 05/14/2003 at 11:52
 Discard: 06/14/2003
 MW-1-W-030507

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Grab Water

 Facility# 94930 Job# 386509 GRD
 3369 Castro Valley Blvd T0600100137 MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	110.	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.						
02159	BTEX, MTBE					
02161	Benzene	71-43-2	0.7	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	10.	ug/l	1
Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent.						

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	05/13/2003	01:24	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	05/13/2003	01:24	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/13/2003	01:24	Linda C Pape	n.a.

Lancaster Laboratories Sample No. **WW 4040683**

Collected: 05/07/2003 10:55 by GR

Account Number: 10904

Submitted: 05/08/2003 09:30

ChevronTexaco

Reported: 05/14/2003 at 11:52

6001 Bollinger Canyon Rd L4310

Discard: 06/14/2003

MW-2-W-030507

Grab Water

San Ramon CA 94583

Facility# 94930

Job# 386509

GRD

3369 Castro Valley Blvd T0600100137 MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	170.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/13/2003 12:02	Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	05/13/2003 12:02	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/13/2003 12:02	Linda C Pape	n.a.

Lancaster Laboratories Sample No. **WW 4040684**

Collected: 05/07/2003 09:35 by GR

Account Number: 10904

Submitted: 05/08/2003 09:30

Reported: 05/14/2003 at 11:52

Discard: 06/14/2003

MW-4-W-030507

Grab Water

 ChevronTexaco
6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Facility# 94930 Job# 386509

GRD

3369 Castro Valley Blvd T0600100137 MW-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
02159	BTEX, MTBE					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02172	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	05/13/2003 12:35		Linda C Pape	1
02159	BTEX, MTBE	SW-846 8021B	1	05/13/2003 12:35		Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	05/13/2003 12:35		Linda C Pape	n.a.

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 851212

Reported: 05/14/03 at 11:52 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03132A51A Sample number(s): 4040681								
TPH-GRO - Waters	N.D.	50.	ug/l	77	76	70-130	1	30
Benzene	N.D.	0.5	ug/l	91	90	80-118	1	30
Toluene	N.D.	0.5	ug/l	91	90	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	90	89	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	91	90	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	89	92	79-127	3	30
Batch number: 03132A51B Sample number(s): 4040682								
TPH-GRO - Waters	N.D.	50.	ug/l	77	76	70-130	1	30
Benzene	N.D.	0.5	ug/l	91	90	80-118	1	30
Toluene	N.D.	0.5	ug/l	91	90	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	90	89	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	91	90	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	89	92	79-127	3	30
Batch number: 03133A51A Sample number(s): 4040683-4040684								
TPH-GRO - Waters	N.D.	50.	ug/l	100	99	70-130	1	30
Benzene	N.D.	0.5	ug/l	99	99	80-118	0	30
Toluene	N.D.	0.5	ug/l	100	99	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	100	98	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	101	99	82-120	2	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	97	99	79-127	2	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03132A51A Sample number(s): 4040681								
TPH-GRO - Waters	99	94	70-130	3	30			
Benzene	109	75	67-136	8	20			
Toluene	104	94	78-129	9	30			
Ethylbenzene	104	78	75-133	8	30			
Total Xylenes	101	92	86-132	8	30			
Methyl tert-Butyl Ether	187*	172*	66-136	8	30			
Batch number: 03132A51B Sample number(s): 4040682								
TPH-GRO - Waters	99	94	70-130	3	30			
Benzene	109	75	67-136	8	20			
Toluene	104	94	78-129	9	30			
Ethylbenzene	104	78	75-133	8	30			
Total Xylenes	101	92	86-132	8	30			
Methyl tert-Butyl Ether	187*	172*	66-136	8	30			
Batch number: 03133A51A Sample number(s): 4040683-4040684								
TPH-GRO - Waters	100		70-130					
Benzene	103		67-136					
Toluene	103		78-129					
Ethylbenzene	102		75-133					
Total Xylenes	102		86-132					
Methyl tert-Butyl Ether	107		66-136					

*- 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: 05/14/03 at 11:52 AM

Group Number: 851212

Surrogate Quality Control

Analysis Name: BTEX, MTBE

Batch number: 03132A51A

Trifluorotoluene-F

Trifluorotoluene-P

4040681	85	94
Blank	89	93
LCS	91	94
LCSD	90	95
MS	97	124
MSD	95	122

Limits: 57-146

66-136

Analysis Name: BTEX, MTBE

Batch number: 03132A51B

Trifluorotoluene-F

Trifluorotoluene-P

4040682	89	96
Blank	91	94
LCS	91	94
LCSD	90	95
MS	97	124
MSD	95	122

Limits: 57-146

66-136

Analysis Name: BTEX, MTBE

Batch number: 03133A51A

Trifluorotoluene-F

Trifluorotoluene-P

4040683	90	96
4040684	91	94
Blank	90	93
LCS	94	94
LCSD	93	94
MS	88	94

Limits: 57-146

66-136

*- 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 falls within the Method Detection Limit (MDL) and 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 ≥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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