



# GETTLER-RYAN Inc.

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Alameda County  
Environmental Health



## TRANSMITTAL

October 22, 2007

G-R #386395

TO: Ms. Charlotte Evans  
Conestoga-Rovers & Associates  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

CC: Mr. Satya Sinha  
Chevron Environmental  
Management 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  
RO 0000124**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	October 16, 2007	Groundwater Monitoring and Sampling Report Third Quarter - Event of September 14, 2007

### COMMENTS:

Pursuant to your request, we are providing you with a copy of the above referenced report for **your use and distribution to the following (via PDF):**

Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (**Distributed by Cambria via PDF**)

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **November 5, 2007**, at which time the final report will be distributed to the following:

cc: Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

trans/9-9708-SS

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**Satya P. Sinha**  
Project Manager  
Retail and Terminal  
Business Unit

**Chevron Environmental  
Management Company**  
6001 Bollinger Canyon Road,  
Room K2256  
San Ramon, CA 94583  
Tel (925) 842-9876  
Fax (925) 842-8370  
satyasinha@chevron.com

October 22, 2007

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

RE: Chevron Service Station # 9-9708

Address 5910 MacArthur Blvd., Oakland, California


I have reviewed the attached routine groundwater monitoring report dated October 22, 2007.

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,

  
Satya P. Sinha

Attachment: Report

WELL CONDITION STATUS SHEET

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

Job # 386395  
 Event Date: 9-14-07  
 Sampler: Joe

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient)	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-1	O.K	"0" m	O.K	O.K	O.K	O.K	O.K	✓		8" Boert-Longy / (3)	/
MW-2		"0" m		A11(3)S				X	Y	" "	Picture: 3-16-07
MW-3		"0" m		A11(3)S				—	—	" "	Picture: 3-16-07
MW-4		O.K		O.K				Y	Y	6" Morrison / (2)	
MW-5								—	—	8" Morrison / (2)	
MW-6								—	—	8" Morrison / (2)	

Comments Removed asphalt to access mw-5. Well now is 1" below grade  
Can't secure plug and padlock on mw-3 casing. Box has sunk -  
mw-2 box is below grade and in the path of running water.



# GETTLER - RYAN Inc.



October 16, 2007  
G-R Job #386395

Mr. Satya Sinha  
Chevron Environmental Management Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

**RE: Third Quarter Event of September 14, 2007**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-9708  
5910 MacArthur Boulevard  
Oakland, California

Dear Mr. Sinha:

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

Douglas J. Lee  
Senior Geologist, P.G. No. 6882

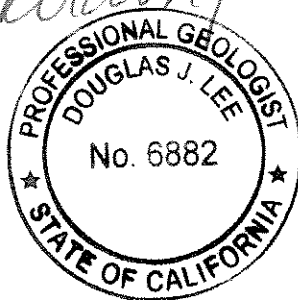
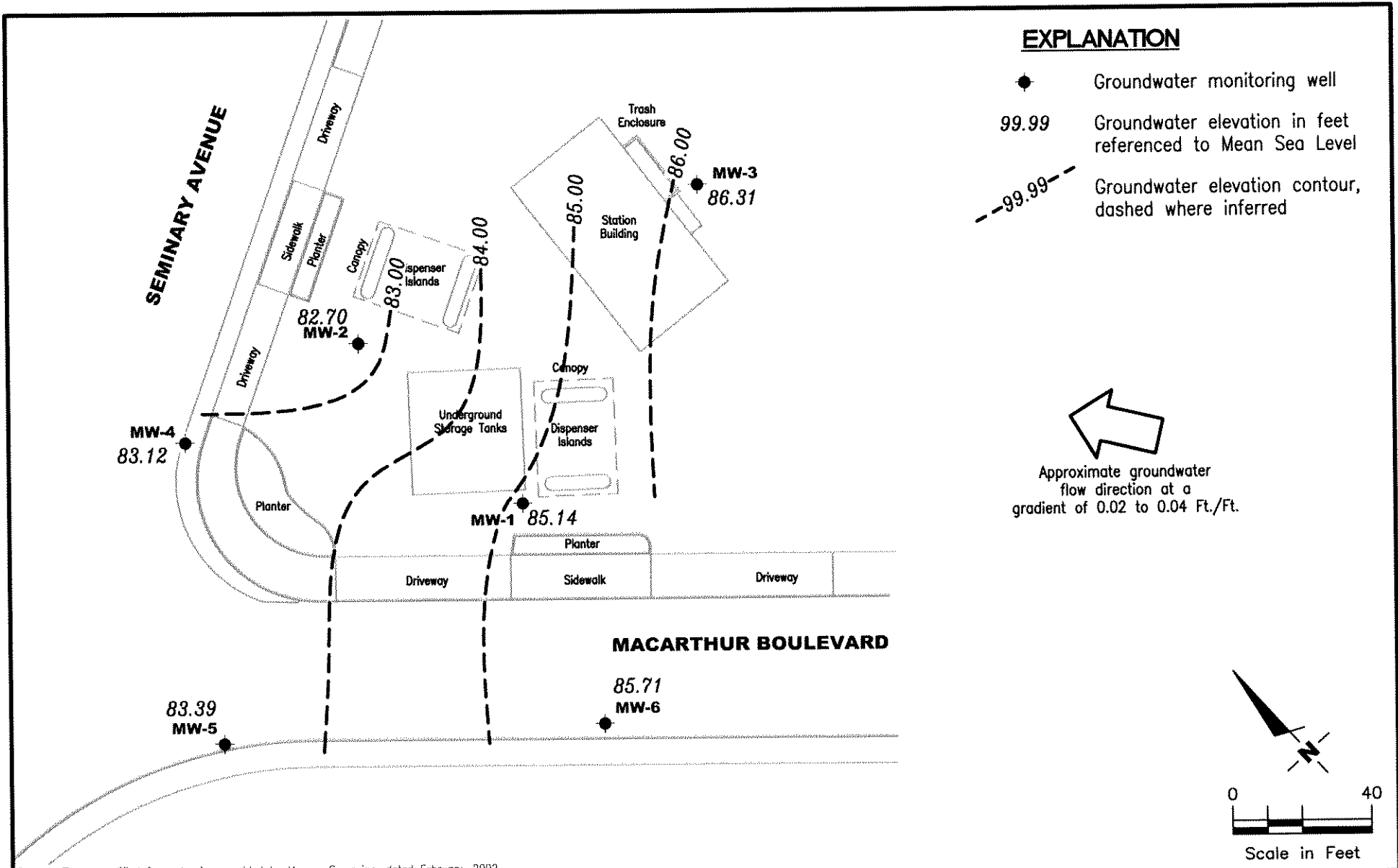


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



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

**GETTLER - RYAN INC.**  
 6747 Sierra Court, 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  
 September 14, 2007

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 (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-1</b>														
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 <sup>1</sup>	43	0.61	11	0.61	69	--	--	--	--
03/18/98	96.61	84.59	12.02	--	210 <sup>1</sup>	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 <sup>4</sup>	120	<5.0	22	6.7	5,400	--	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300 <sup>4</sup>	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 <sup>7</sup>	36.6	<0.500	10.1	<0.500	3,360	--	--	--	--
06/19/01	96.61	83.94	12.67	--	610 <sup>4</sup>	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 <sup>11</sup>	97.52	85.96	11.56	--	<50	3	<0.5	<0.5	<0.5	220	--	--	--	--
09/15/03 <sup>11</sup>	97.52	85.21	12.31	--	53	3	<0.5	<0.5	<0.5	580	<50	--	--	--
12/15/03 <sup>11</sup>	97.52	86.35	11.17	--	<50	<0.5	0.7	<0.5	0.8	410	<50	--	--	--
03/05/04 <sup>11</sup>	97.52	86.09	11.43	--	760	110	2	12	2	460	<50	--	--	--
06/18/04 <sup>11</sup>	97.52	85.40	12.12	--	1,400	200	3	7	2	740	<50	--	--	--
09/17/04 <sup>11</sup>	97.52	85.12	12.40	--	920	48	<0.5	<0.5	<0.5	340	<50	--	--	--
12/17/04 <sup>11</sup>	97.52	86.78	10.74	--	190	9	<0.5	<0.5	<0.5	110	<50	--	--	--
03/14/05 <sup>11</sup>	97.52	87.67	9.85	--	120	5	<0.5	<0.5	<0.5	130	<50	--	--	--
06/13/05 <sup>11</sup>	97.52	85.61	11.91	--	110	6	<0.5	<0.5	<0.5	130	<50	--	--	--
09/12/05 <sup>11</sup>	97.52	85.31	12.21	--	290	10	<0.5	<0.5	<0.5	90	<50	--	--	--
12/12/05 <sup>11</sup>	97.52	86.50	11.02	--	150	1	<0.5	<0.5	0.8	53	<50	--	--	--
03/13/06 <sup>11</sup>	97.52	87.97	9.55	--	82	0.8	<0.5	<0.5	<0.5	66	<50	--	--	--

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

WELL ID/ DATE	TOC <sup>6</sup> (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-1 (cont)</b>														
06/12/06 <sup>11</sup>	97.52	86.52	11.00	--	140	4	<0.5	<0.5	<0.5	65	<50	--	--	--
09/11/06 <sup>11</sup>	97.52	85.99	11.53	--	210	3	<0.5	<0.5	<0.5	32	<50	--	--	--
12/15/06 <sup>11</sup>	97.52	88.13	9.39	--	190	1	<0.5	<0.5	<0.5	31	<50	--	--	--
03/16/07 <sup>11</sup>	97.52	86.02	11.50	--	99	0.8	<0.5	<0.5	<0.5	41	<50	--	--	--
06/15/07 <sup>11</sup>	97.52	86.46	11.06	--	210	10	<0.5	<0.5	<0.5	49	<50	--	--	--
<b>09/14/07<sup>11</sup></b>	<b>97.52</b>	<b>85.14</b>	<b>12.38</b>	--	<b>270</b>	<b>6</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>35</b>	<b>&lt;50</b>	--	--	--
<b>MW-2</b>														
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 <sup>1</sup>	650	69	610	69	4,700/2,600 <sup>2</sup>	--	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900 <sup>1</sup>	250	<50	98	<50	12,000/7,100 <sup>2</sup>	--	--	--	--
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000 <sup>2</sup>	--	--	--	--
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400 <sup>2</sup>	--	--	--	--
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 <sup>4</sup>	490	7.5	<5.0	7.7	770	--	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000 <sup>4</sup>	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 <sup>4</sup>	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 <sup>11</sup>	97.81	83.10	14.71	--	200	1	29	<0.5	<0.5	1,400	--	--	--	--
09/15/03 <sup>11</sup>	97.81	82.78	15.03	--	130	<1	<1	<1	<1	2,400	<130	--	--	--
12/15/03 <sup>11</sup>	97.81	84.84	12.97	--	<50	<0.5	<0.5	<0.5	<0.5	63	<50	--	--	--

**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)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-2 (cont)</b>														
03/05/04 <sup>11</sup>	97.81	84.79	13.02	--	<50	0.8	<0.5	<0.5	<0.5	49	<50	--	--	--
06/18/04 <sup>11</sup>	97.81	82.72	15.09	--	60	<0.5	<0.5	<0.5	<0.5	1,900	<50	--	--	--
09/17/04 <sup>11</sup>	97.81	82.46	15.35	--	66	<1	<1	<1	<1	2,100	<130	--	--	--
12/17/04 <sup>11</sup>	97.81	84.61	13.20	--	120	7	<0.5	<0.5	0.7	91	<50	--	--	--
03/14/05 <sup>11</sup>	97.81	84.79	13.02	--	390	69	0.8	10	2	74	<50	--	--	--
06/13/05 <sup>11</sup>	97.81	82.87	14.94	--	<50	6	<0.5	<0.5	<0.5	10	<50	--	--	--
09/12/05 <sup>11</sup>	97.81	82.62	15.19	--	77	<1	<1	<1	<1	1,400	<100	--	--	--
12/12/05 <sup>11</sup>	97.81	84.32	13.49	--	14,000	1,500	1,100	660	3,500	82	<250	--	--	--
03/13/06 <sup>11</sup>	97.81	84.97	12.84	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 <sup>11</sup>	97.81	83.19	14.62	--	<50	<0.5	<0.5	<0.5	<0.5	81	<50	--	--	--
09/11/06 <sup>11</sup>	97.81	82.59	15.22	--	73	<0.5	<0.5	<0.5	<0.5	170	<50	--	--	--
12/15/06 <sup>11</sup>	97.81	84.86	12.95	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--
03/16/07 <sup>11</sup>	97.81	84.41	13.40	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/17/07 <sup>11</sup>	97.81	83.14	14.67	--	<50	0.9	<0.5	<0.5	<0.5	46	<50	--	--	--
<b>09/14/07<sup>11</sup></b>	<b>97.81</b>	<b>82.70</b>	<b>15.11</b>	--	<b>&lt;50</b>	<b>0.7</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>170</b>	<b>&lt;50</b>	--	--	--
<b>MW-3</b>														
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--	--
06/04/97 <sup>3</sup>	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 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/17/97	97.86	87.06	10.80	1,200 <sup>1</sup>	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--	--
03/18/98	97.86	86.98	10.88	820 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
06/28/98	97.86	86.26	11.60	1,100 <sup>1</sup>	<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 <sup>1</sup>	<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 <sup>1</sup>	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 <sup>1</sup>	<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 <sup>1</sup>	<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 <sup>5</sup>	<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 <sup>5</sup>	<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 <sup>5</sup>	<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 <sup>6</sup>	60.9 <sup>7</sup>	<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 <sup>5</sup>	<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 <sup>8</sup>	<2 <sup>8</sup>	<1-<2 <sup>8</sup>



**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)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-3 (cont)</b>														
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<2 <sup>R</sup>	<1-<2.0 <sup>R</sup>
03/06/02	98.78	87.20	11.58	30,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<2 <sup>R</sup>	<1-<2.0 <sup>R</sup>
06/21/02	98.78	86.23	12.55	3,800 <sup>10</sup>	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<2 <sup>R</sup>	<1-<2.0 <sup>R</sup>
09/27/02	98.78	85.93	12.85	2,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<2 <sup>R</sup>	<1-<2.0 <sup>R</sup>
12/26/02	98.78	87.87	10.91	3,600	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<2 <sup>R</sup>	<1-<2.0 <sup>R</sup>
03/28/03	98.78	86.77	12.01	2,100	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 <sup>R</sup>	<1 <sup>R</sup>	<0.8-<2 <sup>R</sup>
06/16/03 <sup>11</sup>	98.78	86.79	11.99	2,400	<50	<0.5	<0.5	<0.5	<1	<0.5	--	<1 <sup>R</sup>	0.8 <sup>R</sup>	<0.5-<2 <sup>R</sup>
09/15/03 <sup>11</sup>	98.78	86.07	12.71	4,300	<50	<0.5	<0.5	<0.5	<1	<0.5	<50	<1 <sup>R</sup>	0.8 <sup>R</sup>	<0.8-<2 <sup>R</sup>
12/15/03 <sup>11</sup>	98.78	87.23	11.55	3,200	<50	<0.5	0.7	<0.5	<1	<0.5	<50	<1 <sup>R</sup>	0.8 <sup>R</sup>	<0.8-<2 <sup>R</sup>
03/05/04 <sup>11</sup>	98.78	87.66	11.12	8,000	<50	<0.5	0.6	<0.5	<1	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
06/18/04 <sup>11</sup>	98.78	86.21	12.57	3,100	<50	<0.5	<0.5	<0.5	<1	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
09/17/04 <sup>11</sup>	98.78	85.92	12.86	3,200	<50	<0.5	<0.7	<0.8	<1.6	<0.5	<50	<1 <sup>R</sup>	<1 <sup>R</sup>	<0.8-<2 <sup>R</sup>
12/17/04 <sup>11</sup>	98.78	87.63	11.15	2,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
03/14/05 <sup>11</sup>	98.78	88.21	10.57	1,300	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
06/13/05 <sup>11</sup>	98.78	86.45	12.33	2,700	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
09/12/05 <sup>11</sup>	98.78	85.89	12.89	2,000 <sup>12</sup>	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
12/12/05 <sup>11</sup>	98.78	87.40	11.38	3,900 <sup>12</sup>	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
03/13/06 <sup>11</sup>	98.78	88.43	10.35	2,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
06/12/06 <sup>11</sup>	98.78	87.05	11.73	3,600	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
09/11/06 <sup>11</sup>	98.78	86.42	12.36	4,000	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
12/15/06 <sup>11</sup>	98.78	86.91	11.87	3,100	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
03/16/07 <sup>11</sup>	98.78	87.55	11.23	1,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
06/15/07 <sup>11</sup>	98.78	86.97	11.81	2,000	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<2 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
09/14/07 <sup>11</sup>	98.78	86.31	12.47	1,600	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 <sup>R</sup>	<0.5 <sup>R</sup>	<0.8-<2 <sup>R</sup>
<b>MW-4</b>														
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 <sup>7</sup>	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	--	--	--	--

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-4 (cont)</b>														
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 <sup>11</sup>	97.14	83.10	14.04	--	250	<0.5	31	<0.5	<0.5	<0.5	--	--	--	--
09/15/03 <sup>11</sup>	97.14	82.93	14.21	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/15/03 <sup>11</sup>	97.14	84.30	12.84	--	310	<0.5	21	<0.5	1	<0.5	<50	--	--	--
03/05/04 <sup>11</sup>	97.14	84.00	13.14	--	<50	<0.5	0.7	<0.5	0.6	5	<50	--	--	--
06/18/04 <sup>11</sup>	97.14	83.14	14.00	--	220	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
09/17/04 <sup>11</sup>	97.14	83.06	14.08	--	97	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/17/04 <sup>11</sup>	97.14	83.77	13.37	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
03/14/05 <sup>11</sup>	97.14	83.69	13.45	--	<50	<0.5	0.8	<0.5	<0.5	1	<50	--	--	--
06/13/05 <sup>11</sup>	97.14	83.53	13.61	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
09/12/05 <sup>11</sup>	97.14	83.34	13.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/12/05 <sup>11</sup>	97.14	83.54	13.60	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
03/13/06 <sup>11</sup>	97.14	83.95	13.19	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 <sup>11</sup>	97.14	83.27	13.87	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/11/06 <sup>11</sup>	97.14	82.98	14.16	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
12/15/06 <sup>11</sup>	97.14	83.96	13.18	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
03/16/07 <sup>11</sup>	97.14	83.44	13.70	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
06/15/07 <sup>11</sup>	97.14	83.23	13.91	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
<b>09/14/07<sup>11</sup></b>	<b>97.14</b>	<b>83.12</b>	<b>14.02</b>	<b>--</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>MW-5</b>														
03/06/02 <sup>9</sup>	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 <sup>11</sup>	95.71	83.92	11.79	--	600	3	0.9	0.7	0.9	150	--	--	--	--
09/15/03 <sup>11</sup>	95.71	83.28	12.43	--	760	<0.5	<0.5	<0.5	<0.5	180	<50	--	--	--
12/15/03 <sup>11</sup>	95.71	85.01	10.70	--	1,200	0.7	0.5	0.6	0.8	120	<50	--	--	--
03/05/04 <sup>11</sup>	95.71	84.65	11.06	--	1,800	2	0.7	0.7	2	60	<50	--	--	--
06/18/04 <sup>11</sup>	95.71	83.54	12.17	--	1,700	<0.5	<0.5	<0.5	<0.5	77	<50	--	--	--
09/17/04 <sup>11</sup>	95.71	83.35	12.36	--	1,900	<0.5	<0.5	<0.5	0.6	73	<50	--	--	--

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>MW-5 (cont)</b>														
12/17/04 <sup>11</sup>	95.71	84.91	10.80	--	1,200	1	<0.5	<0.5	0.6	41	<50	--	--	--
03/14/05 <sup>11</sup>	95.71	85.26	10.45	--	1,400	9	<0.5	<0.5	<0.5	19	<50	--	--	--
06/13/05 <sup>11</sup>	95.71	83.82	11.89	--	760	<0.5	<0.5	<0.5	<0.5	16	<50	--	--	--
09/12/05 <sup>11</sup>	95.71	83.43	12.28	--	610	<0.5	<0.5	<0.5	<0.5	22	<50	--	--	--
12/12/05 <sup>11</sup>	95.71	84.63	11.08	--	630	<0.5	<0.5	<0.5	<0.5	13	63	--	--	--
03/13/06 <sup>11</sup>	95.71	85.45	10.26	--	1,100	1	<0.5	<0.5	0.5	9	<50	--	--	--
06/12/06 <sup>11</sup>	95.71	83.91	11.80	--	460	<0.5	<0.5	<0.5	<0.5	10	<50	--	--	--
09/11/06 <sup>11</sup>	95.71	83.30	12.41	--	510	<0.5	<0.5	<0.5	<0.5	10	<50	--	--	--
12/15/06 <sup>11</sup>	95.71	85.21	10.50	--	1,000	0.7	<0.5	<0.5	<0.5	6	<50	--	--	--
03/16/07 <sup>11</sup>	95.71	84.71	11.00	--	430	<0.5	<0.5	<0.5	<0.5	8	<50	--	--	--
06/15/07 <sup>11</sup>	95.71	83.83	11.88	--	420	<0.5	<0.5	<0.5	<0.5	5	<50	--	--	--
<b>09/14/07<sup>11</sup></b>	<b>95.71</b>	<b>83.39</b>	<b>12.32</b>	--	<b>380</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>6</b>	<b>&lt;50</b>	--	--	--
<b>MW-6</b>														
03/06/02 <sup>0</sup>	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 <sup>11</sup>	95.84	85.50	10.34	--	<50	<0.5	0.6	<0.5	<0.5	5	--	--	--	--
09/15/03 <sup>11</sup>	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	6	<50	--	--	--
12/15/03 <sup>11</sup>	95.84	86.49	9.35	--	<50	<0.5	<0.5	<0.5	<0.5	4	<50	--	--	--
03/05/04 <sup>11</sup>	95.84	87.04	8.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
06/18/04 <sup>11</sup>	95.84	85.04	10.80	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
09/17/04 <sup>11</sup>	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
12/17/04 <sup>11</sup>	95.84	86.32	9.52	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
03/14/05 <sup>11</sup>	95.84	86.94	8.90	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--
06/13/05 <sup>11</sup>	95.84	85.37	10.47	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
09/12/05 <sup>11</sup>	95.84	85.16	10.68	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
12/12/05 <sup>11</sup>	95.84	86.15	9.69	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
03/13/06 <sup>11</sup>	95.84	87.16	8.68	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 <sup>11</sup>	95.84	85.03	10.81	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/11/06 <sup>11</sup>	95.84	84.80	11.04	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
12/15/06 <sup>11</sup>	95.84	86.82	9.02	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
03/16/07 <sup>11</sup>	95.84	86.06	9.78	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/15/07 <sup>11</sup>	95.84	84.99	10.85	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
<b>09/14/07<sup>11</sup></b>	<b>95.84</b>	<b>85.71</b>	<b>10.13</b>	--	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>0.9</b>	<b>&lt;50</b>	--	--	--

**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)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
<b>TRIP BLANK</b>														
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	--	--	--	--
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	--	--	--	--
<b>QA</b>														
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 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/15/03 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/15/03 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/05/04 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/18/04 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/17/04 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/17/04 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/14/05 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/13/05 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/12/05 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/12/05 <sup>11</sup>	--	--	--	--	<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

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)	ETHANOL (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
QA (cont)														
03/13/06 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/12/06 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/11/06 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/15/06 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/16/07 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/15/07 <sup>11</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/14/07 <sup>11</sup>	--	--	--	--	<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	TPH-G = Total Petroleum Hydrocarbons as Gasoline	1,2-DCB = 1,2-Dichlorobenzene
(ft.) = Feet	B = Benzene	1,2-DCA = 1,2-Dichloroethane
GWE = Groundwater Elevation	T = Toluene	HVOCs = Halogenated Volatile Organic Compounds
(msl) = Mean sea level	E = Ethylbenzene	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.

- <sup>1</sup> Chromatogram pattern indicates an unidentified hydrocarbon.
- <sup>2</sup> Confirmation run.
- <sup>3</sup> 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.
- <sup>4</sup> Laboratory report indicates gasoline C6-C12.
- <sup>5</sup> Laboratory report indicates unidentified hydrocarbons >C16.
- <sup>6</sup> Laboratory report indicates unidentified hydrocarbons C9-C24.
- <sup>7</sup> Laboratory report indicates unidentified hydrocarbons C6-C12.
- <sup>8</sup> Volatile Organic Compounds (VOCs) by EPA Method 8260.
- <sup>9</sup> Well development performed.
- <sup>10</sup> Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- <sup>11</sup> BTEX and MTBE by EPA Method 8260.
- <sup>12</sup> Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.

## 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 Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hill, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9-14-07 (inclusive)  
 City: Oakland, CA Sampler: Jac

Well ID: MW-1 Date Monitored: 9-14-07 Well Condition: See wcss  
 Well Diameter: 2 in.  
 Total Depth: 20.25 ft.  
 Depth to Water: 12.38 ft.  
 $7.87 \times VF 0.17 = 1.34$  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

Check if water column is less than 0.50 ft.

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

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

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

Start Time (purge): 0905 Weather Conditions: clear  
 Sample Time/Date: 0930/19-14-07 Water Color: clear Odor: none  
 Purging Flow Rate: 0.7 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0913</u>	<u>1.5</u>	<u>7.16</u>	<u>1281</u>	<u>66.7</u>		
<u>0916</u>	<u>3</u>	<u>7.41</u>	<u>1287</u>	<u>67.2</u>		
<u>0920</u>	<u>4</u>	<u>7.46</u>	<u>1254</u>	<u>67.1</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	1 x voa vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)

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

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





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386395  
 Event Date: 9-14-07 (inclusive)  
 Sampler: Joe

Well ID: MW-2  
 Well Diameter: 2 in.  
 Total Depth: 20.25 ft.  
 Depth to Water: 15.11 ft.

Date Monitored: 9-14-07 Well Condition: See wcss

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

5.14 x VF 0.17 = 0.87 x3 case volume = Estimated Purge Volume: 3 gal.  
 Check if water column is less than 0.50 ft.

### Purge Equipment:

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

### Sampling Equipment:

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 8 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0630 Weather Conditions: clear  
 Sample Time/Date: 0655/9-14-07 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 / F)	D.O. (mg/L)	ORP (mV)
<u>0637</u>	<u>1</u>	<u>6.90</u>	<u>854</u>	<u>65.5</u>	_____	_____
<u>0640</u>	<u>2</u>	<u>6.75</u>	<u>878</u>	<u>66.2</u>	_____	_____
<u>0644</u>	<u>3</u>	<u>6.76</u>	<u>870</u>	<u>66.9</u>	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x vva vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x vva vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)

### COMMENTS:

\_\_\_\_\_

Add/Replaced Lock:  Add/Replaced Plug:  Size: 2



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9-19-07 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-3 Date Monitored: 9-19-07 Well Condition: SEA WESS  
 Well Diameter: 2 in.  
 Total Depth: 20.15 ft.  
 Depth to Water: 12.47 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

7.68 xVF 0.17 = 1.31 x3 case volume= Estimated Purge Volume: 4 gal.  
 Check if water column is less than 0.50 ft.

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

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

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

Start Time (purge): 0940 Weather Conditions: clear  
 Sample Time/Date: 100819-19-07 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 (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0950</u>	<u>1.5</u>	<u>6.57</u>	<u>1208</u>	<u>64.4</u>	_____	_____
<u>0954</u>	<u>3</u>	<u>6.62</u>	<u>1213</u>	<u>65.2</u>	_____	_____
<u>0957</u>	<u>4</u>	<u>6.71</u>	<u>1194</u>	<u>65.3</u>	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	3 x voa vial	YES	HCL	LANCASTER	HVOC's (8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-D (8015)

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9-14-07 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-4 Date Monitored: 9-14-07 Well Condition: See wcss

Well Diameter: 2 in.  
 Total Depth: 19.65 ft.  
 Depth to Water: 14.02 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

5.63 x VF 0.17 = 0.96 x3 case volume = Estimated Purge Volume: 3 gal.  
 Check if water column is less than 0.50 ft.

### Purge Equipment:

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

### Sampling Equipment:

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

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

Start Time (purge): 0815 Weather Conditions: clear  
 Sample Time/Date: 0845 / 9-14-07 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 (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0825</u>	<u>1</u>	<u>7.20</u>	<u>1237</u>	<u>65.8</u>	_____	_____
<u>0828</u>	<u>2</u>	<u>7.32</u>	<u>1249</u>	<u>67.5</u>	_____	_____
<u>0833</u>	<u>3</u>	<u>7.36</u>	<u>1243</u>	<u>67.0</u>	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x vov vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ambers	YES	NR	LANCASTER	TPH-D (8015)

### COMMENTS:

Add/Replaced Lock:

Add/Replaced Plug:  Size: 2"



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9.14.07 (inclusive)  
 City: Oakland, CA Sampler: See

Well ID: MW-5 Date Monitored: 9.14.07 Well Condition: See wcss  
 Well Diameter: 2 in.  
 Total Depth: 18.75 ft.  
 Depth to Water: 12.32 ft.  
6.43 xVF 0.17 = 1.09 x3 case volume = Estimated Purge Volume: 3.5 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

Check if water column is less than 0.50 ft.

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

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

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

Start Time (purge): 0740 Weather Conditions: clear  
 Sample Time/Date: 0805/9-14-07 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 (umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0748</u>	<u>1</u>	<u>6.84</u>	<u>995</u>	<u>67.2</u>		
<u>0752</u>	<u>2</u>	<u>6.80</u>	<u>1038</u>	<u>66.7</u>		
<u>0755</u>	<u>3.5</u>	<u>6.76</u>	<u>1027</u>	<u>67.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x vva vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x vva vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ampers	YES	NP	LANCASTER	TPH-D (8015)

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: Chevron #9-9708 Job Number: 386395  
 Site Address: 5910 Macarthur Blvd. Event Date: 9-14-07 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: MW-6 Date Monitored: 9.14.07 Well Condition: See wcss  
 Well Diameter: 2 in.  
 Total Depth: 18.91 ft.  
 Depth to Water: 10.13 ft.  
8.78 x VF 0.17 = 1.49 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

Check if water column is less than 0.50 ft.

### Purge Equipment:

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

### Sampling Equipment:

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

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

Start Time (purge): 0705 Weather Conditions: clear  
 Sample Time/Date: 0730 / 9-14-07 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 / F)	D.O. (mg/L)	ORP (mV)
<u>0714</u>	<u>1.5</u>	<u>7.55</u>	<u>1209</u>	<u>68.1</u>		
<u>0718</u>	<u>3</u>	<u>7.42</u>	<u>1175</u>	<u>67.2</u>		
<u>0723</u>	<u>4.5</u>	<u>7.53</u>	<u>1171</u>	<u>67.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x vov vial	YES	NCL	LANCASTER	HVOC's (8260)
	x 500ml ampers	YES	NP	LANCASTER	TPH-D (8015)

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

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

# Chevron California Region Analysis Request/Chain of Custody



091407-04

Acct. #: 10904    For Lancaster Laboratories use only    Sample #: 5157401-07    Group #: 002836

G# 1056421

Facility #: SS#9-9708-OML G-R#386395 Global ID#10600102093  
 Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA  
 Chevron PM: SS    CRACE  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568    Lead Consultant:  
Deanna L. Harding (deanna@grinc.com)  
 Consultant Prj. Mgr.:  
925-551-7555    Fax #: 925-551-7899  
 Sampler: JOE AJEMIAN

### Analyses Requested

Preservation Codes		
H H	H H	H H
<input type="checkbox"/> 8021	<input type="checkbox"/> 8260	<input type="checkbox"/> Silica Gel Cleanup
<input type="checkbox"/> TPH 8015 MOD GPO	<input type="checkbox"/> TPH 8015 MOD DRO	<input type="checkbox"/> 8260 full scan
<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Total Lead	<input type="checkbox"/> Method
<input type="checkbox"/> Dissolved Lead	<input type="checkbox"/> Method	<input type="checkbox"/> Ethanol (8260)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> #VOC's (8260)

**Preservative Codes**  
 H = HCl    T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>    O = Other  
 J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds  
 8021 MTBE Confirmation  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy's on highest hit  
 Run \_\_\_ oxy's on all hits

Sample Identification	Date Collected	Time Collected	Matrix			Total Number of Containers	Analyses Requested							Comments / Remarks			
			Soil	Water	Oil <input type="checkbox"/> Air <input type="checkbox"/>		BTEX + MTBE 8260 <th>TPH 8015 MOD GPO <th>TPH 8015 MOD DRO <th>8260 full scan</th> <th>Oxygenates</th> <th>Total Lead</th> <th>Dissolved Lead</th> <th>Ethanol (8260)</th> <th>#VOC's (8260)</th> </th></th>	TPH 8015 MOD GPO <th>TPH 8015 MOD DRO <th>8260 full scan</th> <th>Oxygenates</th> <th>Total Lead</th> <th>Dissolved Lead</th> <th>Ethanol (8260)</th> <th>#VOC's (8260)</th> </th>	TPH 8015 MOD DRO <th>8260 full scan</th> <th>Oxygenates</th> <th>Total Lead</th> <th>Dissolved Lead</th> <th>Ethanol (8260)</th> <th>#VOC's (8260)</th>	8260 full scan	Oxygenates	Total Lead	Dissolved Lead		Ethanol (8260)	#VOC's (8260)	
QA			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
MW-1	9-14-07	0930	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
MW-2		0655	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
MW-3		1008	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
MW-4		0845	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
MW-5		0805	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
MW-6		0730	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									

**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    **EDF/EDD**  
 Type VI (Raw Data)     Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <i>[Signature]</i>	Date: <u>9-14-07</u>	Time:	Received by: <u>Les Metzger</u>	Date: <u>9/14/07</u>	Time: <u>1110</u>
Relinquished by: <i>[Signature]</i>	Date: <u>9/14/07</u>	Time:	Received by: <i>[Signature]</i>	Date: <u>9/14/07</u>	Time:
Relinquished by: _____	Date:	Time:	Received by: _____	Date:	Time:
Relinquished by Commercial Carrier: UPS <u>EdEx</u> Other <u>DHL</u>	Temperature Upon Receipt: <u>025-54</u> °C		Received by: <u>[Signature]</u>	Date: <u>9/14/07</u>	Time: <u>1030</u>
Custody Seals Intact? <u>Yes</u>					

## ANALYTICAL RESULTS

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

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

The sample group for this submittal is 1056421. Samples arrived at the laboratory on Saturday, September 15, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
QA-T-070914 NA Water	5157401
MW-1-W-070914 Grab Water	5157402
MW-2-W-070914 Grab Water	5157403
MW-3-W-070914 Grab Water	5157404
MW-4-W-070914 Grab Water	5157405
MW-5-W-070914 Grab Water	5157406
MW-6-W-070914 Grab Water	5157407

ELECTRONIC    CRA c/o Gettler-Ryan  
COPY TO

Attn: Cheryl Hansen

Questions? Contact your Client Services Representative  
Angela M Miller at (717) 656-2300

Respectfully Submitted,



**Maria S. Lord**  
Senior Specialist





# Analysis Report

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

Lancaster Laboratories Sample No. WW 5157401

QA-T-070914 NA Water  
Facility# 99708 Job# 386395 GRD  
5910 MacArthur Blvd-Oakland T0600102093 QA  
Collected: 09/14/2007

Account Number: 10904

Submitted: 09/15/2007 10:30  
Reported: 10/02/2007 at 14:44  
Discard: 11/02/2007

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

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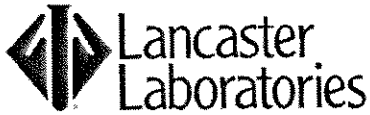
CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015E modified	1	09/20/2007 01:11	Steven A Skiles	1
06054	BTEX+MTBE by 8260B	SW-846 8260E	1	09/26/2007 18:59	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007 01:11	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/26/2007 18:59	Ginelle L Feister	1



# Analysis Report

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Lancaster Laboratories Sample No. WW 5157402

MW-1-W-070914 Grab Water  
Facility# 99708 Job# 386395 GRD  
5910 MacArthur Blvd-Oakland T0600102093 MW-1  
Collected: 09/14/2007 09:30 by JA

Account Number: 10904

Submitted: 09/15/2007 10:30  
Reported: 10/02/2007 at 14:44  
Discard: 11/02/2007

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	270.	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.					
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	35.	0.5	ug/l	1
05401	Benzene	71-43-2	6.	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007 10:35	Steven A Skiles	1
06067	BTEX, MTBE, ETOH	SW-846 8260E	1	09/27/2007 13:17	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007 10:35	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/27/2007 13:17	Ginelle L Feister	1



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 5157403

MW-2-W-070914 Grab Water  
Facility# 99708 Job# 386395 GRD  
5910 MacArthur Blvd-Oakland T0600102093 MW-2  
Collected: 09/14/2007 06:55 by JA

Account Number: 10904

Submitted: 09/15/2007 10:30  
Reported: 10/02/2007 at 14:44  
Discard: 11/02/2007

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

CAT	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.					
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	170.	0.5	ug/l	1
05401	Benzene	71-43-2	0.7	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007	11:04	Steven A Skiles	1
06067	BTEX, MTBE, ETOH	SW-846 8260E	1	09/27/2007	13:40	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007	11:04	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/27/2007	13:40	Ginelle L Feister	1



# Analysis Report

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

Lancaster Laboratories Sample No. WW 5157404

MW-3-W-070914 Grab Water  
Facility# 99708 Job# 386395 GRD  
5910 MacArthur Blvd-Oakland T0600102093 MW-3  
Collected: 09/14/2007 10:08 by JA

Account Number: 10904

Submitted: 09/15/2007 10:30  
Reported: 10/02/2007 at 14:44  
Discard: 11/02/2007

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

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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.					
06609	TPH-DRO (Waters)	n.a.	1,600.	63.	ug/l	2
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
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
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					

Lancaster Laboratories Sample No. WW 5157404

MW-3-W-070914 Grab Water  
 Facility# 99708 Job# 386395 GRD  
 5910 MacArthur Blvd-Oakland T0600102093 MW-3  
 Collected: 09/14/2007 10:08 by JA

Account Number: 10904

Submitted: 09/15/2007 10:30  
 Reported: 10/02/2007 at 14:44  
 Discard: 11/02/2007

Chevron  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MBO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01587	Ethanol	64-17-5	N.D.	Detection Limit 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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007	11:34	Steven A Skiles	1
06609	TPH-DRO (Waters)	SW-846 8015B	1	09/25/2007	04:56	Diane V De	2
05382	EPA SW846/8260 (water)	SW-846 8260E	1	09/22/2007	12:41	Sara E Wolf	1
08202	EPA SW 846/8260 - Water	SW-846 8260E	1	09/22/2007	12:41	Sara E Wolf	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007	11:34	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/22/2007	12:41	Sara E Wolf	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	09/19/2007	17:15	JoElla L Rice	1

Lancaster Laboratories Sample No. WW 5157405

 MW-4-W-070914 Grab Water  
 Facility# 99708 Job# 386395 GRD  
 5910 MacArthur Blvd-Oakland T0600102093 MW-4  
 Collected: 09/14/2007 08:45 by JA

Account Number: 10904

 Submitted: 09/15/2007 10:30  
 Reported: 10/02/2007 at 14:45  
 Discard: 11/02/2007

 Chevron  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

 MBO04  
 I 5E w

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.	N.D.	50.	ug/l	1
06067	BTEX, MTBE, ETOH					
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
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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007 12:12	Steven A Skiles	1
06067	BTEX, MTBE, ETOH	SW-846 8260E	1	09/27/2007 14:03	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007 12:12	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/27/2007 14:03	Ginelle L Feister	1

Lancaster Laboratories Sample No. WW 5157406

 MW-5-W-070914 Grab Water  
 Facility# 99708 Job# 386395 GRD  
 5910 MacArthur Blvd-Oakland T0600102093 MW-5  
 Collected: 09/14/2007 08:05 by JA

Account Number: 10904

 Submitted: 09/15/2007 10:30  
 Reported: 10/02/2007 at 14:45  
 Discard: 11/02/2007

 Chevron  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

 MBO05  
 I 5E w

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
01728	TPH-GRO - Waters	n.a.	380.	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.					
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	6.	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007 12:41	Steven A Skiles	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/27/2007 14:26	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/20/2007 12:41	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/27/2007 14:26	Ginelle L Feister	1

Lancaster Laboratories Sample No. WW 5157407

MW-6-W-070914 Grab Water  
 Facility# 99708 Job# 386395 GRD  
 5910 MacArthur Blvd-Oakland T0600102093 MW-6  
 Collected: 09/14/2007 07:30 by JA

Account Number: 10904

Submitted: 09/15/2007 10:30  
 Reported: 10/02/2007 at 14:45  
 Discard: 11/02/2007

Chevron  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

MBO06  
 I 5 E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.	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.						
06067	BTEX, MTBE, ETOH						
01587	Ethanol	64-17-5	N.D.	50.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.9	0.5	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	0.5	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/20/2007	13:11	Steven A Skiles	1
06067	BTEX, MTBE, ETOH	SW-846 8260E	1	09/27/2007	14:49	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/20/2007	13:11	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030E	1	09/27/2007	14:49	Ginelle L Feister	1



## Quality Control Summary

 Client Name: Chevron  
 Reported: 10/02/07 at 02:45 PM

Group Number: 1056421

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: 072620014A TPH-DRO (Waters)	N.D.	29.	Sample number(s): 5157404 ug/l	73	70	63-119	4	20
Batch number: 07262C07A TPH-GRO - Waters	N.D.	50.	Sample number(s): 5157401-5157404 ug/l	96	92	75-135	4	30
Batch number: 07263A08A TPH-GRO - Waters	N.D.	50.	Sample number(s): 5157405-5157407 ug/l	113	103	75-135	10	30
Batch number: D072702AA Ethanol	N.D.	50.	Sample number(s): 5157402-5157403, 5157405-5157407 ug/l	133		31-166		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		73-119		
Benzene	N.D.	0.5	ug/l	96		78-119		
Toluene	N.D.	0.5	ug/l	102		85-115		
Ethylbenzene	N.D.	0.5	ug/l	98		82-119		
Xylene (Total)	N.D.	0.5	ug/l	100		83-113		
Batch number: W072651AA Ethanol	N.D.	50.	Sample number(s): 5157404 ug/l	98		31-166		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		73-119		
Chloromethane	N.D.	1.	ug/l	99		47-122		
Vinyl Chloride	N.D.	1.	ug/l	96		54-123		
Bromomethane	N.D.	1.	ug/l	91		49-117		
Chloroethane	N.D.	1.	ug/l	89		54-117		
Trichlorofluoromethane	N.D.	2.	ug/l	85		59-128		
1,1-Dichloroethene	N.D.	0.8	ug/l	108		76-122		
Methylene Chloride	N.D.	2.	ug/l	103		85-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	104		83-117		
1,1-Dichloroethane	N.D.	1.	ug/l	102		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	101		84-117		
Chloroform	N.D.	0.8	ug/l	100		77-125		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	99		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	97		77-130		
Benzene	N.D.	0.5	ug/l	102		78-119		
1,2-Dichloroethane	N.D.	0.5	ug/l	97		69-135		
Trichloroethene	N.D.	1.	ug/l	101		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	100		80-117		
Bromodichloromethane	N.D.	1.	ug/l	97		83-121		
Toluene	N.D.	0.5	ug/l	102		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	99		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	108		76-118		
Dibromochloromethane	N.D.	1.	ug/l	98		78-119		
Chlorobenzene	N.D.	0.8	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	102		82-119		
m+p-Xylene	N.D.	0.5	ug/l	103		83-113		
o-Xylene	N.D.	0.5	ug/l	103		83-113		
Bromoform	N.D.	1.	ug/l	84		69-118		

\*- Outside of specification

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

## Quality Control Summary

 Client Name: Chevron  
 Reported: 10/02/07 at 02:45 PM

Group Number: 1056421

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		72-119		
1,3-Dichlorobenzene	N.D.	1.	ug/l	102		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	102		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	101		81-112		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	92		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	96		78-114		
Freon 113	N.D.	2.	ug/l	113		66-125		
Batch number: Z072692AA Sample number(s): 5157401								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89	92	73-119	3	30
Benzene	N.D.	0.5	ug/l	91	92	78-119	2	30
Toluene	N.D.	0.5	ug/l	97	98	85-115	1	30
Ethylbenzene	N.D.	0.5	ug/l	94	96	82-119	1	30
Xylene (Total)	N.D.	0.5	ug/l	96	97	83-113	2	30

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07262C07A Sample number(s): 5157401-5157404 UNSPK: P157375									
TPH-GRO - Waters	109		63-154						
Batch number: 07263A08A Sample number(s): 5157405-5157407 UNSPK: 5157406									
TPH-GRO - Waters	121		63-154						
Batch number: D072702AA Sample number(s): 5157402-5157403, 5157405-5157407 UNSPK: P157396									
Ethanol	90	94	32-164	4	30				
Methyl Tertiary Butyl Ether	97	99	69-127	2	30				
Benzene	102	106	83-128	4	30				
Toluene	107	110	83-127	3	30				
Ethylbenzene	104	106	82-129	3	30				
Xylene (Total)	104	107	82-130	2	30				
Batch number: W072651AA Sample number(s): 5157404 UNSPK: 5157404									
Ethanol	80	57	32-164	33*	30				
Methyl Tertiary Butyl Ether	111	107	69-127	4	30				
Chloromethane	117	114	47-133	2	30				
Vinyl Chloride	113	111	55-130	1	30				
Bromomethane	108	107	52-129	1	30				
Chloroethane	110	106	57-130	3	30				
Trichlorofluoromethane	100	97	67-150	3	30				
1,1-Dichloroethene	121	121	87-145	0	30				
Methylene Chloride	63*	107	79-133	52*	30				
trans-1,2-Dichloroethene	118	114	82-133	4	30				
1,1-Dichloroethane	111	111	85-135	0	30				
cis-1,2-Dichloroethene	111	109	83-126	2	30				
Chloroform	109	106	83-139	3	30				
1,1,1-Trichloroethane	110	109	81-142	1	30				
Carbon Tetrachloride	110	108	82-149	2	30				
Benzene	110	110	83-128	0	30				

\*- Outside of specification

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

## Quality Control Summary

 Client Name: Chevron  
 Reported: 10/02/07 at 02:45 PM

Group Number: 1056421

### Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,2-Dichloroethane	105	106	70-143	1	30				
Trichloroethene	112	111	83-136	1	30				
1,2-Dichloropropane	106	104	83-129	1	30				
Bromodichloromethane	104	107	80-137	3	30				
Toluene	112	110	83-127	2	30				
1,1,2-Trichloroethane	102	105	77-125	3	30				
Tetrachloroethene	120	116	78-133	3	30				
Dibromochloromethane	104	101	82-119	3	30				
Chlorobenzene	109	108	83-120	1	30				
Ethylbenzene	111	112	82-129	1	30				
m+p-Xylene	113	113	82-130	0	30				
o-Xylene	110	110	82-130	0	30				
Bromoform	90	87	64-119	3	30				
1,1,2,2-Tetrachloroethane	95	96	73-121	1	30				
1,3-Dichlorobenzene	109	110	79-123	1	30				
1,4-Dichlorobenzene	109	111	81-122	2	30				
1,2-Dichlorobenzene	108	113	82-117	4	30				
trans-1,3-Dichloropropene	98	98	77-123	0	30				
cis-1,3-Dichloropropene	101	101	80-126	1	30				
Freon 113	133	132	78-146	1	30				

Batch number: Z072692AA	Sample number(s): 5157401	UNSPK: P157346
Methyl Tertiary Butyl Ether	102	69-127
Benzene	100	83-128
Toluene	106	83-127
Ethylbenzene	103	82-129
Xylene (Total)	103	82-130

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: TPH-DRO (Waters)  
 Batch number: 072620014A  
 Orthoterphenyl

5157404	85
Blank	85
LCS	102
LCSD	102

Limits: 59-131

 Analysis Name: TPH-GRO - Waters  
 Batch number: 07262C07A  
 Trifluorotoluene-F

5157401	93
5157402	98

\*- Outside of specification

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

## Quality Control Summary

 Client Name: Chevron  
 Reported: 10/02/07 at 02:45 PM

Group Number: 1056421

### Surrogate Quality Control

 5157403 90  
 5157404 92  
 Blank 94  
 LCS 100  
 LCSD 96  
 MS 97

Limits: 63-135

 Analysis Name: TPH-GRO - Waters  
 Batch number: 07263A08A  
 Trifluorotoluene-F

 5157405 99  
 5157406 103  
 5157407 100  
 Blank 98  
 LCS 99  
 LCSD 100  
 MS 105

Limits: 63-135

 Analysis Name: BTEX, MTBE, ETOH  
 Batch number: D072702AA  
 Dibromofluoromethane

		1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5157402	98	95	107	103
5157403	98	95	106	99
5157405	98	96	107	102
5157406	95	94	103	103
5157407	99	96	106	100
Blank	99	100	109	101
LCS	97	99	107	107
MS	97	94	106	108
MSD	98	97	108	107

Limits: 80-116

 Analysis Name: EPA SW846/8260 (water)  
 Batch number: W072651AA  
 Dibromofluoromethane

		1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5157404	97	93	100	90
Blank	96	94	100	86
LCS	97	97	99	92
MS	98	97	100	92
MSD	99	98	100	93

Limits: 80-116

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: Z072692AA  
 Dibromofluoromethane

		1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5157401	87	93	100	96
Blank	86	92	101	95
LCS	86	92	101	99

\*- Outside of specification

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

## Quality Control Summary

Client Name: Chevron  
Reported: 10/02/07 at 02:45 PM

Group Number: 1056421

### Surrogate Quality Control

LCSD	86	93	101	97
MS	88	92	101	98
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

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

## Lancaster Laboratories Explanation of Symbols and Abbreviations

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

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

### U.S. EPA data qualifiers:

Organic Qualifiers	Inorganic Qualifiers		
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike amount not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>J</b>	Estimated value	<b>U</b>	Compound was not detected
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>W</b>	Post digestion spike out of control limits
<b>P</b>	Concentration difference between primary and confirmation columns >25%	<b>*</b>	Duplicate analysis not within control limits
<b>U</b>	Compound was not detected	<b>+</b>	Correlation coefficient for MSA <0.995
<b>X,Y,Z</b>	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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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