



RECEIVED

9:38 am, Apr 22, 2009

Alameda County
Environmental Health

Stacie H. Frerichs
Team Lead
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

April 20, 2009
(date)

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

Re: Chevron Facility # 9-2960

Address: 2416 Grove Way, Castro Valley, California

I have reviewed the attached report titled First Quarter 2009 Groundwater Monitoring Report and dated April 20, 2009.

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 Conestoga-Rovers & Associates, 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,

Stacie H. Frerichs
Project Manager

Enclosure: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

2000 Opportunity Dr, Suite 110, Roseville, California 95678
Telephone: 916677-3407, ext. 100 Facsimile: 916-677-3687
www.CRAworld.com

April 20, 2009

Reference No. 611964

Mr. Steven Plunkett
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: First Quarter 2009 Groundwater Monitoring Report
Former Chevron Service Station 9-2960
2416 Grove Way
Castro Valley, California
LOP Case #RO0000275

Dear Mr. Plunkett:

Conestoga-Rovers & Associates (CRA) is submitting the attached *Groundwater Monitoring and Sampling Report* (report) on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. The report (prepared by Gettler-Ryan Inc. and dated March 27, 2009) presents the results of the monitoring and sampling of well C-8 during first quarter 2009. Well C-8 is monitored and sampled on a quarterly basis; wells C-4 and C-6 were paved over in 1999 and 2000, respectively, and have not been able to be relocated, and well C-7 is no longer monitored or sampled. Also attached are Figure 1 (Vicinity Map) showing the site location, and Figure 2 (Concentration Map) presenting the first quarter 2009 analytical results along with a rose diagram. Please contact Mr. James Kiernan at (916) 751-4102 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Christopher J. Benedict

James P. Kiernan, P.E. #C68498

CB/kw/4
Encl.

Figure 1 Vicinity Map
Figure 2 Concentration Map – March 5, 2009

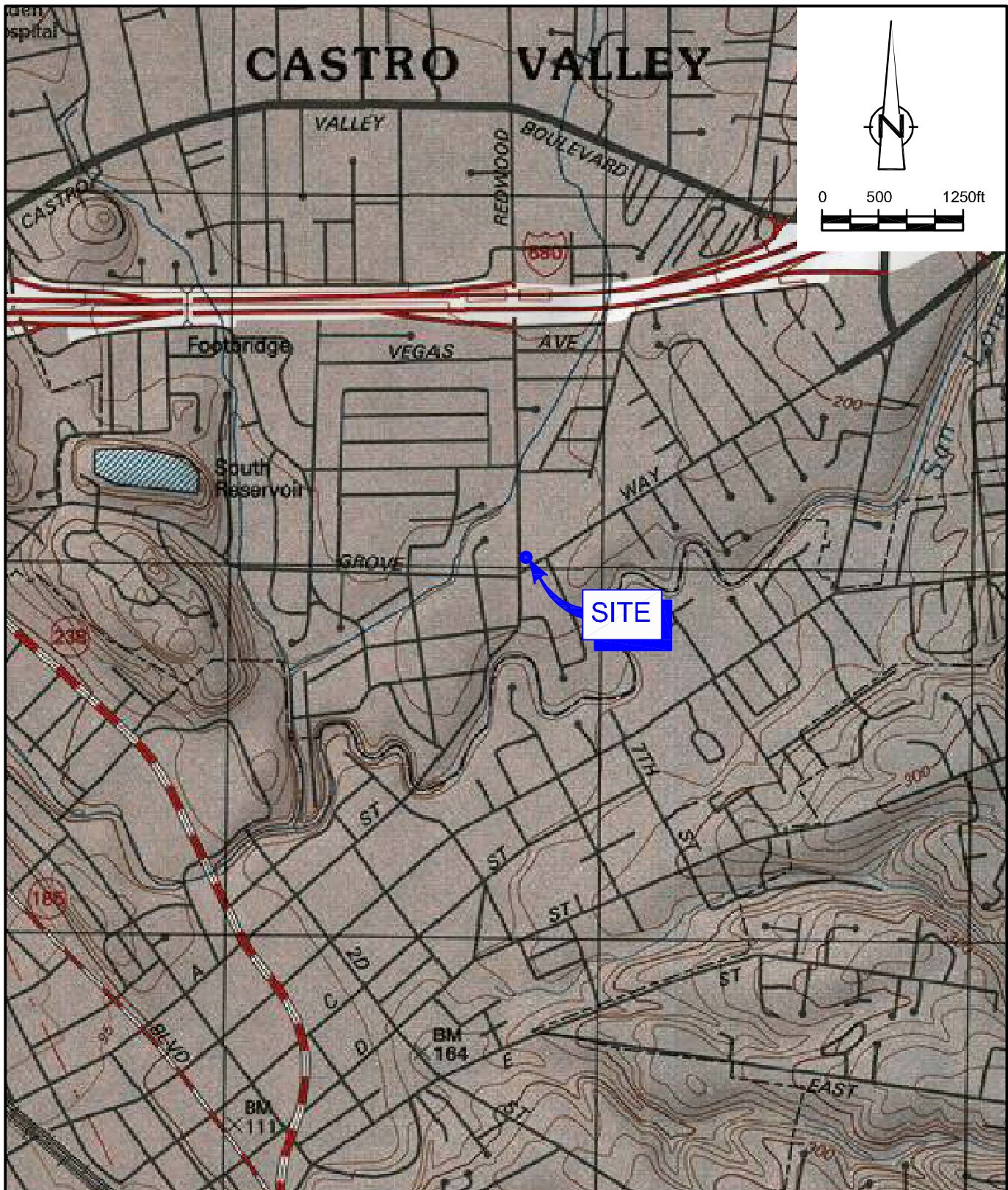
Attachment A First Quarter 2009 Groundwater Monitoring and Sampling Report

cc: Ms. Stacie Frerichs, Chevron Environmental Management Company
Mr. Phil Conley, President Board of Trustees, First Presbyterian Church



Equal
Employment
Opportunity Employer

FIGURES

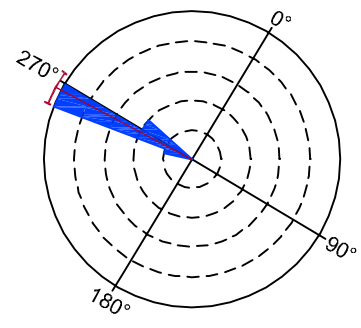


SOURCE: TOPO! MAPS.

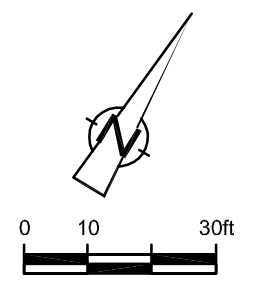
figure 1

VICINITY MAP
 FORMER CHEVRON SERVICE STATION 9-2960
 2416 GROVE WAY
 Castro Valley, California





HISTORICAL GROUNDWATER FLOW DIRECTION



LEGEND

- ▲ VAPOR BORING LOCATION
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- ⊠ SOIL BORING LOCATION (2004)
- ⊗ ABANDONED WELL LOCATION
- WELL LOCATION PAVED OVER
- (440) TPHg CONCENTRATION (ug/L)
- (0.9) BENZENE CONCENTRATION (ug/L)
- (18) MTBE CONCENTRATION (ug/L)
- (NM) NOT MONITORED

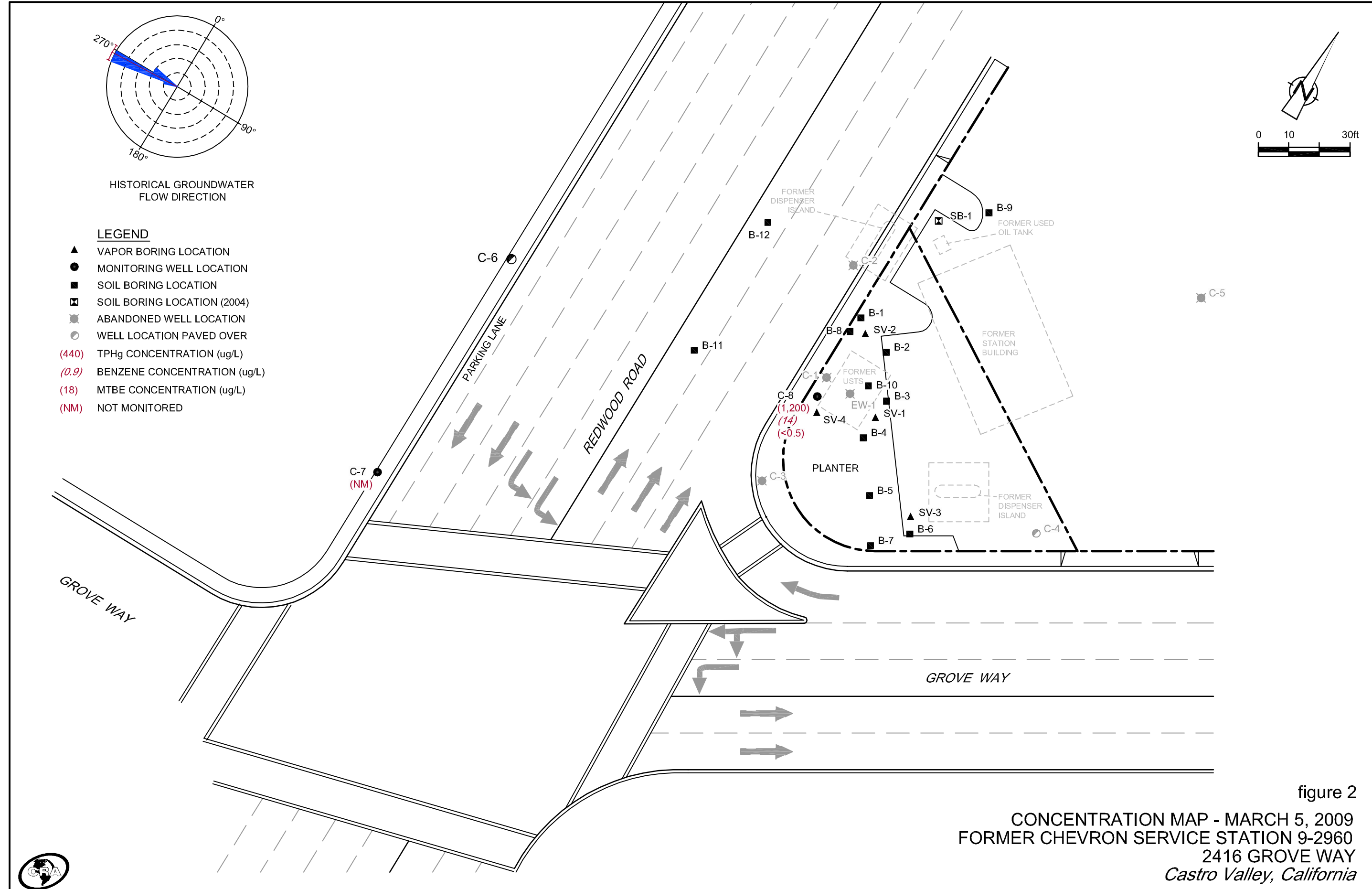


figure 2
 CONCENTRATION MAP - MARCH 5, 2009
 FORMER CHEVRON SERVICE STATION 9-2960
 2416 GROVE WAY
 Castro Valley, California



ATTACHMENT A

FIRST QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT



TRANSMITTAL

April 6, 2009
G-R #386365

TO: Mr. James Kiernan
Conestoga-Rovers & Associates
2000 Opportunity Drive, Suite 110
Roseville, California 95678

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

RE: **Former Chevron Service Station
#9-2960 (MTI)
2416 Grove Way
Castro Valley, California
RO 0000275**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	March 27, 2009	Groundwater Monitoring and Sampling Report First Quarter Event of March 5, 2009

COMMENTS:

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

Ms. Stacie H. Frerichs, Chevron Environmental Management Company, 6111 Bollinger Canyon Road,
Room 3596, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **April 20, 2009** at which time this final report will be distributed to the following:

cc: Mr. Phil Conley, President Board of Trustees, First Presbyterian Church, 2490 Grove Way, Castro Valley, CA 94546
Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (No Hard Copy-UPLOAD TO ALAMEDA CO.)

Enclosures

trans/9-2960-SHF



Stacie H. Frerichs
Team Lead
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

April 6, 2009
(date)

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

Re: Chevron Facility # 9-2960

Address: 2416 Grove Way, Castro Valley, California

I have reviewed the attached routine groundwater monitoring report dated April 6, 2009.

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,

A handwritten signature in black ink that reads "Stacie H. Frerichs".

Stacie H. Frerichs
Project Manager

Enclosure: Report

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #9-2960
 Site Address: 2416 Grove Way
 City: Castro Valley, CA

Job #: 386365
 Event Date: 3/6/09
 Sampler: JH

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) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
C-8	ok							~	~	12" Universal	~

Comments _____



GETTLER-RYAN INC.



March 27, 2009
G-R Job #386365

Ms. Stacie H. Frerichs
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3596
San Ramon, CA 94583

RE: First Quarter Event of March 5, 2009
Groundwater Monitoring & Sampling Report
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

Dear Ms. H. Frerichs:

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).

The static groundwater level was measured and the well was 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 Groundwater Elevation Map is included as Figure 1.

Groundwater samples were collected from the monitoring well 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 the laboratory analytical reports are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

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

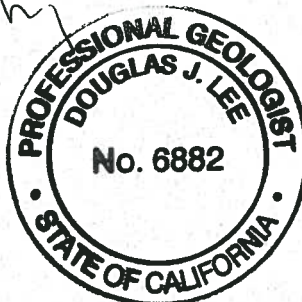
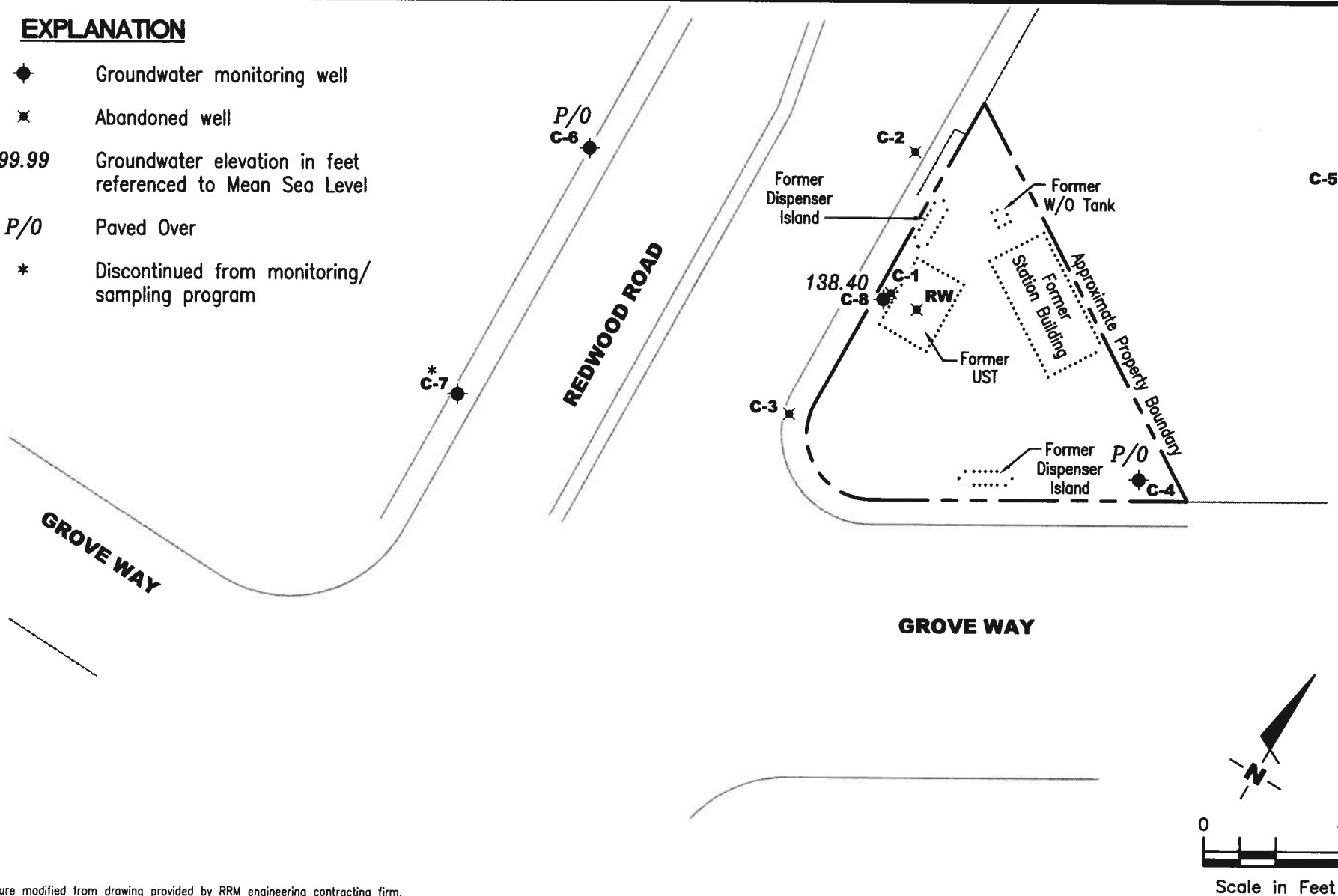


Figure 1: Groundwater Elevation Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Abandoned well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- P/O Paved Over
- * Discontinued from monitoring/sampling program



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

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

GROUNDWATER ELEVATION MAP
 Former Chevron Service Station #9-2960
 2416 Grove Way
 Castro Valley, California

FIGURE
1

PROJECT NUMBER
386365

REVIEWED BY

DATE
 March 5, 2009

REVISED DATE

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-8											
03/26/02 ²	153.41	137.96	15.45	0.00	0.00	11,000	380	130	120	530	<25/<2 ¹
06/17/02	153.41	137.03	16.38	0.00	0.00	11,000	490	65	170	470	<20/<2 ¹
09/17/02	153.41	136.71	16.70	0.00	0.00	6,800	410	12	70	130	46/<2 ¹
12/02/02	153.41	136.61	16.80	0.00	0.00	7,200	440	14	75	140	<20/<2 ¹
03/03/03	153.41	137.61	15.80	0.00	0.00	7,000	330	16	62	110	<10/<0.5 ¹
06/16/03 ³	153.41	137.52	15.89	0.00	0.00	7,400	400	17	71	120	<0.5
09/15/03 ⁴	153.41	136.87	16.54	0.00	0.00	2,500	200	5	56	16	<0.5
12/15/03 ⁴	153.41	137.07	16.34	0.00	0.00	5,900	320	18	51	140	<0.5
03/01/04 ⁴	153.41	138.55	14.86	0.00	0.00	7,800	250	14	61	55	<0.5
06/28/04 ⁴	153.41	137.05	16.36	0.00	0.00	5,700	280	11	46	53	<0.5
09/13/04 ⁴	153.41	136.39	17.02	0.00	0.00	2,200	180	5	33	8	<0.5
12/22/04 ⁴	153.41	137.29	16.12	0.00	0.00	1,700	170	4	15	5	<0.5
03/04/05 ⁴	153.41	138.63	14.78	0.00	0.00	5,400	180	8	43	30	<0.5
06/30/05 ⁴	153.41	137.97	15.44	0.00	0.00	3,900	160	6	16	19	<0.5
09/16/05 ⁴	153.41	137.21	16.20	0.00	0.00	3,500	160	6	10	18	<0.5
12/21/05 ⁴	153.41	137.31	16.10	0.00	0.00	2,300	110	4	10	18	<0.5
03/21/06 ⁴	153.41	139.03	14.38	0.00	0.00	6,200	130	6	32	36	<0.5
06/21/06 ⁴	153.41	138.17	15.24	0.00	0.00	6,100	100	11	38	120	<0.5
09/05/06 ⁴	153.41	137.25	16.16	0.00	0.00	5,400	130	11	29	96	<0.5
12/28/06 ⁴	153.41	137.60	15.81	0.00	0.00	2,600	110	4	12	12	<0.5
03/26/07 ⁴	153.41	137.74	15.67	0.00	0.00	2,700	91	3	13	5	<0.5
06/26/07 ⁴	153.41	137.19	16.22	0.00	0.00	3,900	71	4	8	15	<0.5
09/26/07 ⁴	153.41	136.85	16.56	0.00	0.00	3,600	83	4	18	31	<0.5
12/20/07 ⁴	153.41	137.38	16.03	0.00	0.00	2,600	69	4	15	26	<0.5
02/29/08 ⁴	153.41	138.63	14.78	0.00	0.00	2,400	52	3	16	9	<0.5
05/09/08 ⁴	153.41	137.86	15.55	0.00	0.00	2,300	40	3	6	5	<0.5
09/19/08 ⁴	153.41	136.85	16.56	0.00	0.00	1,300	43	1	3	5	<0.5
12/04/08 ⁴	153.41	137.04	16.37	0.00	0.00	1,700	34	2	4	8	<0.5
03/05/09⁴	153.41	138.40	15.01	0.00	0.00	1,200	14	0.7	2	1	<0.5
C-1											
10/23/86	153.36	--	--	--	--	3,100	6,400	3,700	--	4,300	--
09/10/87	153.36	--	--	--	--	120,000	25,000	60,000	13,000	56,000	--
10/03/90	153.36	134.69	18.67	--	--	--	--	--	--	--	--
10/25/90	153.36	135.22	18.71	0.71	--	--	--	--	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-1 (cont)											
01/22/91	153.36	135.22	18.70	0.70	--	--	--	--	--	--	--
02/21/91	153.36	135.44	18.62	0.88	--	--	--	--	--	--	--
04/01/91	153.36	136.47	16.91	0.03	--	--	--	--	--	--	--
04/11/91	153.36	136.49	16.90	0.04	--	--	--	--	--	--	--
07/01/91	153.36	135.75	17.61	0.00	--	--	--	--	--	--	--
09/24/91	153.36	135.17	18.98	0.99	--	--	--	--	--	--	--
10/23/91	153.36	135.03	19.32	1.24	--	--	--	--	--	--	--
11/22/91	153.36	134.53	18.83	0.97	--	--	--	--	--	--	--
01/09/92	153.36	136.10	17.26	--	--	--	--	--	--	--	--
03/06/92	153.36	137.16	16.69	0.61	--	--	--	--	--	--	--
06/04/92	153.36	136.44	17.10	0.22	--	--	--	--	--	--	--
09/28/92	153.36	--	18.71	0.77	--	--	--	--	--	--	--
12/17/92	153.36	--	17.54	0.45	--	--	--	--	--	--	--
04/29/93	153.36	137.50	16.40	0.68	--	--	--	--	--	--	--
07/26/93	153.36	136.92	16.85	0.51	--	--	--	--	--	--	--
10/22/93	153.36	135.55	17.83	0.03	--	--	--	--	--	--	--
01/24/94	153.36	--	--	--	--	--	--	--	--	--	--
04/11/94	153.36	136.01	17.76	0.51	--	--	--	--	--	--	--
07/01/94	153.36	135.95	17.46	0.06	--	--	--	--	--	--	--
10/06/94	153.36	135.24	18.18	0.08	--	--	--	--	--	--	--
01/11/95	153.36	136.63	16.79	0.08	0.039	--	--	--	--	--	--
04/07/95	153.36	139.23	14.13	--	--	44,000	410	100	130	5,400	--
07/20/95	153.36	136.84	16.52	--	--	16,000	96	81	53	1,000	--
09/22/95	153.36	137.22	16.14	--	--	59,000	150	36	16	56	--
04/26/96	153.36	137.31	16.05	--	--	7,200	1,300	340	130	390	--
07/22/96	153.36	143.14	10.22	--	--	7,300	2,500	170	360	520	--
10/17/96	153.36	137.64	15.72	--	--	19,000	3,400	59	360	430	--
01/23/97	153.36	138.91	14.45	--	--	15,000	2,900	390	250	480	--
07/10/97	153.36	137.19	16.17	--	--	13,000	2,100	69	200	380	--
01/15/98	153.36	INACCESSIBLE	--	--	--	--	--	--	--	--	--
01/16/98	153.36	138.63	14.73	--	--	4,700	1,200	<20	140	40	--
07/09/98	153.36	138.14	15.22	--	--	9,900	1,500	60	150	170	--
ABANDONED											

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-2											
10/23/86	151.84	--	--	--	--	30,000	2,700	1,900	--	1,500	--
09/10/87	151.84	--	--	--	--	14,000	2,600	2,900	500	1,200	--
10/16/89	151.84	--	--	--	--	600	260	34	1.7	41	--
01/04/90	151.84	--	--	--	--	2,600	470	150	23	130	--
04/05/90	151.84	--	--	--	--	500	280	29	6.3	19	--
07/02/90	151.84	--	--	--	--	2,400	670	110	17	76	--
10/03/90	151.84	--	--	--	--	--	--	--	--	--	--
10/25/90	151.84	135.24	16.60	--	--	1,300	390	47	9.0	58	--
01/22/91	151.84	135.15	16.69	--	--	2,600	680	88	29	130	--
02/21/91	151.84	135.53	16.31	--	--	--	--	--	--	--	--
04/01/91	151.84	136.76	15.08	--	--	--	--	--	--	--	--
09/24/91	151.84	135.33	16.51	--	--	3,600	1,400	63	6.9	63	--
10/23/91	151.84	135.18	16.66	--	--	--	--	--	--	--	--
11/22/91	151.84	135.47	16.37	--	--	--	--	--	--	--	--
01/09/92	151.84	136.28	15.56	--	--	7,100	770	740	190	690	--
03/06/92	151.84	137.47	14.37	--	--	3,200	250	230	59	220	--
06/04/92	151.84	136.80	15.04	--	--	1,500	<0.5	180	42	130	--
09/28/92	151.84	135.44	16.40	--	--	6,400	940	230	57	220	--
12/17/92	151.84	136.46	15.38	--	--	1,500	370	160	6.0	25	--
04/29/93	151.84	136.87	14.97	--	--	1,800	690	120	74	140	--
07/29/93	151.84	136.92	14.92	--	--	4,300	1,500	96	29	96	--
10/22/93	151.84	136.03	15.81	--	--	820	560	57	15	58	--
01/24/94	151.84	--	--	--	--	--	--	--	--	--	--
04/11/94	151.84	136.49	15.35	--	--	2,000	240	48	36	110	--
07/01/94	151.84	136.44	15.40	--	--	370	55	12	3.1	8.6	--
10/06/94	151.84	135.84	16.00	--	--	150	47	4.8	1.8	5.4	--
01/11/95	151.84	137.06	14.78	--	--	52	0.65	<0.5	<0.5	<0.5	--
04/07/95	151.84	138.93	12.91	--	--	1,500	260	64	52	85	--
07/20/95	151.84	136.81	15.03	--	--	3,000	500	100	96	110	--
09/22/95	151.84	137.05	14.79	--	--	2,000	630	120	20	79	--
01/02/96	151.84	137.37	14.47	--	--	1,900	240	110	58	180	<12
04/26/96	151.84	137.97	13.87	--	--	1,300	340	190	44	120	--
07/22/96	151.84	136.73	15.11	--	--	3,700	1,100	140	150	330	--
10/17/96	151.84	136.80	15.04	--	--	22,000	3,900	1,600	350	1,800	--
01/23/97	151.84	138.86	12.98	--	--	2,000	260	48	76	94	--
07/10/97	151.84	137.21	14.63	--	--	5,100	710	200	190	380	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-2 (cont)											
01/15/98	153.36	INACCESSIBLE		--	--	--	--	--	--	--	--
01/16/98	151.84	138.61	13.23	--	--	7,600	1,600	130	320	650	--
07/09/98	151.84	138.17	13.67	--	--	10,000	1,100	410	180	410	--
ABANDONED											
C-3											
10/23/86	154.13	--	--	--	--	3,300	49	24	--	20	--
09/10/87	154.13	--	--	--	--	200	110	2.6	<2.0	<2.0	--
10/16/89	154.13	--	--	--	--	900	640	4.2	1.6	16	--
01/04/90	154.13	--	--	--	--	920	430	7.0	6.0	7.0	--
04/05/90	154.13	--	--	--	--	930	690	3.4	5.1	4.8	--
07/02/90	154.13	--	--	--	--	1,700	590	11	4.8	9.4	--
10/03/90	154.13	134.97	19.16	--	--	--	--	--	--	--	--
10/25/90	154.13	134.85	19.28	--	--	750	510	2.0	6.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	430	260	2.0	2.0	5.0	--
01/22/91	154.13	134.95	19.18	--	--	400	250	2.0	2.0	5.0	--
02/21/91	154.13	135.25	18.88	--	--	--	--	--	--	--	--
04/01/91	154.13	136.54	17.59	--	--	--	--	--	--	--	--
04/11/91	154.13	136.32	17.81	--	--	--	--	--	--	--	--
07/01/91	154.13	135.57	18.56	--	--	--	--	--	--	--	--
09/24/91	154.13	135.01	19.12	--	--	260	52	0.7	0.8	2.2	--
10/23/91	154.13	134.89	19.24	--	--	--	--	--	--	--	--
11/22/91	154.13	135.10	19.03	--	--	--	--	--	--	--	--
01/09/92	154.13	135.90	18.23	--	--	240	120	0.9	<0.5	1.6	--
03/06/92	154.13	137.09	17.04	--	--	230	68	1.2	1.2	1.3	--
06/04/92	154.13	136.34	17.79	--	--	80	36	0.6	0.5	0.7	--
09/28/92	154.13	135.13	19.00	--	--	84	49	<0.5	<0.5	1.5	--
12/17/92	154.13	135.95	18.18	--	--	220	30	<0.5	<0.5	<0.5	--
04/29/93	154.13	135.35	18.78	--	--	380	12	0.6	<0.5	<1.5	--
07/26/93	154.13	136.41	17.72	--	--	800	38	1.1	<0.5	<1.5	--
10/22/93	154.13	135.63	18.50	--	--	200	64	0.6	<0.5	<1.5	--
01/24/94	154.13	135.62	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	154.13	136.09	18.04	--	--	100	3.6	2.1	<0.5	2.3	--
07/01/94	154.13	136.01	18.12	--	--	140	3.7	1.2	<0.5	1.0	--
10/06/94	154.13	135.50	18.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	154.13	137.01	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	154.13	138.34	15.79	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-3 (cont)											
07/20/95	154.13	136.37	17.76	--	--	<50	1.5	1.9	<0.5	3.5	--
09/22/95	154.13	136.58	17.55	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	154.13	136.88	17.25	--	--	<50	<0.5	<0.5	<0.5	1.1	<2.5
04/26/96	154.13	137.42	16.71	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	154.13	136.50	17.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	154.13	136.33	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	154.13	138.33	15.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	154.13	136.63	17.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	154.13	137.98	16.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	154.13	138.04	16.09	--	--	REGAUGE	--	--	--	--	--
07/09/98	154.13	137.57	16.56	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-4											
10/23/86	156.00	--	--	--	--	570	3.0	4.0	--	5.0	--
09/10/87	156.00	--	--	--	--	500	3.0	<0.5	<0.5	<0.5	--
10/16/89	156.00	--	--	--	--	<500	12	1.0	<0.5	0.8	--
01/04/90	156.00	--	--	--	--	<500	5.0	<0.5	<0.5	0.9	--
04/05/90	156.00	--	--	--	--	<50	6.6	<0.5	<0.5	0.7	--
07/02/90	156.00	--	--	--	--	71	4.1	<0.5	<0.5	<0.5	--
10/03/90	156.00	--	--	--	--	--	--	--	--	--	--
10/25/90	156.00	135.57	20.43	--	--	<50	2.0	<0.5	<0.5	<0.5	--
01/22/91	156.00	135.50	20.50	--	--	<50	3.0	<0.5	<0.5	<0.5	--
02/21/91	156.00	135.77	20.23	--	--	--	--	--	--	--	--
04/01/91	156.00	136.97	19.03	--	--	--	--	--	--	--	--
04/11/91	156.00	136.95	19.05	--	--	--	--	--	--	--	--
07/01/91	156.00	136.10	19.90	--	--	--	--	--	--	--	--
09/24/91	156.00	135.59	20.41	--	--	87	1.6	<0.5	<0.5	<0.5	--
10/23/91	156.00	135.47	20.53	--	--	--	--	--	--	--	--
11/22/91	156.00	135.65	20.35	--	--	--	--	--	--	--	--
01/09/92	156.00	136.46	19.54	--	--	51	4.3	<0.5	<0.5	<0.5	--
01/09/92	156.00	136.46	19.54	--	--	<50	4.8	<0.5	<0.5	<0.5	--
03/06/92	156.00	137.74	18.26	--	--	<50	0.8	<0.5	<0.5	<0.5	--
06/04/92	156.00	137.08	18.92	--	--	<50	<0.5	<0.5	<0.5	0.7	--
09/28/92	156.00	135.69	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	156.00	136.43	19.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	156.00	138.22	17.78	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-4 (cont)											
07/26/93	156.00	--	--	--	--	--	--	--	--	--	--
08/18/93	156.00	137.09	18.91	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	156.00	136.61	19.39	--	--	<50	2.9	2.1	1.1	4.3	--
01/24/94	156.00	136.58	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	156.00	136.86	19.14	--	--	<50	<0.5	0.6	<0.5	0.5	--
07/01/94	156.00	136.80	19.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	156.00	136.26	19.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	156.00	139.70	16.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	156.00	139.49	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	156.00	137.20	18.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	156.00	137.26	18.74	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	156.00	137.65	18.35	--	--	<50	1.6	1.8	0.95	4.1	<2.5
04/26/96	156.00	138.43	17.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	156.00	137.00	19.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	156.00	136.96	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	156.00	139.31	16.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	156.00	137.46	18.54	--	--	SAMPLED ANNUALLY		--	--	--	--
01/15/98	156.00	143.92	12.08	--	--	<50	1.0	1.4	<0.5	3.5	--
01/16/98	156.00	138.84	17.16	--	--	REGAUGE		--	--	--	--
07/09/98	156.00	138.29	17.71	--	--	--	--	--	--	--	--
01/08/99	156.00	139.19	16.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
02/01/00	156.00	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
08/21/00	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
01/25/01	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
07/10/01	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
01/08/02	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
03/26/02	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
06/17/02	156.00	UNABLE TO LOCATE - PAVED OVER		--	--	--	--	--	--	--	--
PAVED OVER											

C-5

10/03/90	153.38	135.60	17.78	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/09/90	153.38	135.46	17.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	153.38	135.58	17.80	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	153.38	135.87	17.51	--	--	--	--	--	--	--	--

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-5 (cont)											
04/01/91	153.38	137.07	16.31	--	--	--	--	--	--	--	--
04/11/91	153.38	137.02	16.36	--	--	--	--	--	--	--	--
07/01/91	153.38	136.26	17.12	--	--	--	--	--	--	--	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/24/91	153.38	135.68	17.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	153.38	135.56	17.82	--	--	--	--	--	--	--	--
11/22/91	153.38	135.77	17.61	--	--	--	--	--	--	--	--
01/09/92	153.38	136.34	17.04	--	--	<50	<0.5	0.7	<0.5	<0.5	--
03/06/92	153.38	137.62	15.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	153.38	136.98	16.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	153.38	135.80	17.58	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	153.38	136.56	16.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	153.38	138.14	15.24	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	153.38	137.08	16.30	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	153.38	136.30	17.08	--	--	52	2.3	2.7	1.1	5.2	--
01/24/94	153.38	136.25	17.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	153.38	136.75	16.63	--	--	<50	<0.5	0.7	<0.5	0.6	--
07/01/94	153.38	136.73	16.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	153.38	136.16	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	153.38	137.41	15.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	153.38	139.37	14.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	153.38	137.17	16.21	--	--	<50	<0.5	<0.5	<0.5	0.61	--
09/22/95	153.38	137.07	16.31	--	--	62	<0.5	<0.5	<0.5	<0.5	--
01/02/96	153.38	137.56	15.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	153.38	138.41	14.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	153.38	137.06	16.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	153.38	136.88	16.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	153.38	139.18	14.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
ABANDONED											
C-6											
10/03/90	152.84	134.70	18.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	152.84	134.55	18.29	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	152.84	134.58	18.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	152.84	134.69	18.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/21/91	152.84	134.92	17.92	--	--	--	--	--	--	--	--
04/01/91	152.84	135.73	17.11	--	--	--	--	--	--	--	--

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C-6 (cont)											
04/11/91	152.84	135.83	17.01	--	--	--	--	--	--	--	--
07/01/91	152.84	135.12	17.72	--	--	--	--	--	--	--	--
09/24/91	152.84	135.72	17.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	152.84	134.59	18.25	--	--	--	--	--	--	--	--
11/22/91	152.84	134.79	18.05	--	--	--	--	--	--	--	--
01/09/92	152.84	135.42	17.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/06/92	152.84	136.33	16.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	152.84	135.83	17.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/28/92	152.84	134.84	18.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	152.84	135.58	17.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	152.84	136.61	16.23	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/29/93	152.84	135.88	16.96	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	152.84	135.38	17.46	--	--	74	7.4	6.1	3.3	9.7	--
01/24/94	152.84	135.38	17.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	152.84	135.64	17.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	152.84	135.66	17.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	152.84	135.19	17.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	152.84	136.18	16.66	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	152.84	137.25	15.59	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	152.84	135.80	17.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	152.84	135.74	17.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	152.84	136.08	16.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	152.84	135.79	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	152.84	135.62	17.22	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	152.84	136.99	15.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	152.84	135.95	16.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	152.84	136.64	16.20	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	152.84	136.74	16.10	--	--	REGAUGE	--	--	--	--	--
07/09/98	152.84	136.71	16.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	152.84	137.57	15.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	152.84	136.60	16.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/01/00	152.84	136.57	16.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
01/25/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
07/10/01	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--

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C-6 (cont)											
01/08/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
03/26/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
06/17/02	152.84	UNABLE TO LOCATE - PAVED OVER				--	--	--	--	--	--
PAVED OVER											
C-7											
10/03/90	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/25/90	155.34	134.43	20.91	--	--	<50	<0.5	1.0	<0.5	<0.5	--
11/09/90	155.34	134.40	20.94	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/22/91	155.34	133.84	21.50	--	--	<50	4.0	<0.5	<0.5	<0.5	--
02/21/91	155.34	134.63	20.71	--	--	--	--	--	--	--	--
04/01/91	155.34	135.34	20.00	--	--	--	--	--	--	--	--
04/11/91	155.34	135.29	20.05	--	--	--	--	--	--	--	--
07/01/91	155.34	134.82	20.52	--	--	--	--	--	--	--	--
09/24/91	155.34	134.52	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/23/91	155.34	134.43	20.91	--	--	--	--	--	--	--	--
11/22/91	155.34	134.55	20.79	--	--	--	--	--	--	--	--
01/09/92	155.34	135.18	20.16	--	--	<50	<0.5	<0.5	<0.5	0.9	--
03/06/92	155.34	135.92	19.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/04/92	155.34	135.53	19.81	--	--	250	<0.5	<0.5	<0.5	<0.5	--
09/28/92	155.34	134.69	20.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/17/92	155.34	135.32	20.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/29/93	155.34	136.19	19.15	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/26/93	155.34	135.57	19.77	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/22/93	155.34	135.17	20.17	--	--	--	--	--	--	--	--
01/24/94	155.34	135.11	20.23	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/11/94	155.34	135.39	19.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/01/94	155.34	135.42	19.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/06/94	155.34	135.03	20.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/11/95	155.34	135.98	19.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/07/95	155.34	136.84	18.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/20/95	155.34	135.46	19.88	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/95	155.34	135.38	19.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	155.34	135.64	19.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/26/96	155.34	136.17	19.17	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	155.34	135.49	19.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	155.34	135.34	20.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
C-7 (cont)											
01/23/97	155.34	136.44	18.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	155.34	135.58	19.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/16/98	155.34	136.14	19.20	--	--	REGAUGE	--	--	--	--	--
07/09/98	155.34	136.02	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	155.34	136.83	18.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/99	155.34	136.16	19.18	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/01/00	155.34	136.21	19.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	155.34	136.16	19.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	155.34	136.09	19.25	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	155.34	136.17	19.17	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0 ¹
01/08/02	155.34	136.31	19.03	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	155.08	--	--	--	--	--	--	--	--	--	--
02/29/08 ⁴	155.34	136.77	18.57	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
DISCONTINUED MONITORING / SAMPLING											
TRIP BLANK											
04/26/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/22/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/17/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/10/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/15/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/09/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/21/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/25/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
07/10/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA											
01/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/26/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/17/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/02/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/03/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)
QA (cont)											
06/16/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/15/03 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/15/03 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/13/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/22/04 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/05 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/30/05 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/16/05 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/21/05 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/21/06 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/21/06 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/05/06 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/28/06 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/26/07 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/26/07 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/26/07 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/20/07 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/29/08 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/19/08 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/19/08 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/04/08 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/05/09 ⁴	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 21, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet

GWE = Groundwater Elevation
(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbons Thickness

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

(mg/L) = milligrams per liter

(µg/L) = Micrograms per liter

* TOC elevations were surveyed in April 2002, by Morrow Surveying. Elevations are based on Alameda County Benchmark No. 259, brass disc top of concrete guard rail & retaining wall abutment along east side "A" Street and on CL + N. 5th Street extended, (Elevation = 138.79 feet).

¹ MTBE by EPA Method 8260.

² Well development performed.

³ TPH-G, BTEX and MTBE by EPA Method 8260.

⁴ BTEX and MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

WELL ID	DATE	TBA (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)
C-8	03/26/02	<100	<2	<2	<2	<2
	06/17/02	<100	<2	<2	<2	<2
	09/17/02	<100	<2	<2	<2	<2
	12/02/02	<100	<2	<2	<2	<2
	03/03/03	<5	<0.5	<0.5	<0.5	<0.5
	06/16/03	<5	<0.5	<0.5	<0.5	<0.5
	09/15/03	5	<0.5	<0.5	<0.5	<0.5
	12/15/03	<5	<0.5	<0.5	<0.5	<0.5
	03/01/04	<5	<0.5	<0.5	<0.5	<0.5
	06/28/04	<5	<0.5	<0.5	<0.5	<0.5
	09/13/04	<5	<0.5	<0.5	<0.5	<0.5
	12/22/04	<5	<0.5	<0.5	<0.5	<0.5
	03/04/05	<5	<0.5	<0.5	<0.5	<0.5
	06/30/05	<5	<0.5	<0.5	<0.5	<0.5
	09/16/05	<5	<0.5	<0.5	<0.5	<0.5
	12/21/05	<5	<0.5	<0.5	<0.5	<0.5
	03/21/06	<5	<0.5	<0.5	<0.5	<0.5
	06/21/06	<5	<0.5	<0.5	<0.5	<0.5
	09/05/06	<5	<0.5	<0.5	<0.5	<0.5
	12/28/06	<2	<0.5	<0.5	<0.5	<0.5
	03/26/07	<2	<0.5	<0.5	<0.5	<0.5
	06/26/07	<2	<0.5	<0.5	<0.5	<0.5
	09/26/07	<2	<0.5	<0.5	<0.5	<0.5
	12/20/07	<2	<0.5	<0.5	<0.5	<0.5
	02/29/08	<2	<0.5	<0.5	<0.5	<0.5
	05/09/08	<2	<0.5	<0.5	<0.5	<0.5
	09/19/08	<2	<0.5	<0.5	<0.5	<0.5
12/04/08	<2	<0.5	<0.5	<0.5	<0.5	
03/05/09	2	<0.5	<0.5	<0.5	<0.5	
C-7	07/10/01	<20	<2.0	<2.0	<2.0	<2.0
	02/29/08	<2	<0.5	<0.5	<0.5	<0.5
DISCONTINUED MONITORING / SAMPLING						

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

EXPLANATIONS:

TBA = T-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = T-Amyl methyl ether
(ppb) = Parts per billion
(mg/L) = milligrams per liter
(μ g/L) = Micrograms per liter

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by 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 Hills, California.



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2960
 Site Address: 2416 Grove Way
 City: Castro Valley, CA

Job Number: 386365
 Event Date: 3/5/09 (inclusive)
 Sampler: JH

Well ID: C-8
 Well Diameter: 2 in.
 Total Depth: 24.56 ft.
 Depth to Water: 15.01 ft.

Date Monitored: 3/5/09

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

Depth to Water: 9.55 xVF .17 = 1.62 Check if water column is less than 0.50 ft.
 x3 case volume = Estimated Purge Volume: 4.87 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.92

Purge Equipment:
 Disposable Bailer X
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer X
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

Start Time (purge): 1430 Weather Conditions: cloudy
 Sample Time/Date: 1510 / 3/5/09 Water Color: cloudy Odor: YDN 1.5/12
 Approx. Flow Rate: - gpm. Sediment Description: clean
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 16.80

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1436</u>	<u>1.5</u>	<u>7.20</u>	<u>1194</u>	<u>15.9</u>		
<u>1442</u>	<u>3.0</u>	<u>7.09</u>	<u>1207</u>	<u>15.4</u>		
<u>1449</u>	<u>5.0</u>	<u>6.44</u>	<u>1261</u>	<u>15.1</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS (8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody



03 06 09-07

For Lancaster Laboratories use only
 Acct. #: 12099 Sample # 5616394-95 Group #: 016536

CRA MTI Project #: 61H-1964

Analyses Requested

C# 1135075

Facility #: SS#9-2960 G-R#386365 Global ID#T0600100318
 Site Address: 2416 GROVE WAY, CASTRO VALLEY, CA
 Chevron PM: MTI Lead Consultant: CRAKJ
 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: S. Hean

Matrix	Preservation Codes									
	1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air	Total Number of Containers									
	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GFO	TPH 8015 MOD DFO	Silica Gel Cleanup	8260 full scan	Oxygenates (8260)	Total Lead Method	Dissolved Lead Method		
Soil										
Water										
Oil										

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	Total Number of Containers	BTEX + MTBE 8260	8021	TPH 8015 MOD GFO	TPH 8015 MOD DFO	Silica Gel Cleanup	8260 full scan	Oxygenates (8260)	Total Lead Method	Dissolved Lead Method
QA C-8	8/5/09	1510	X			X		2	X	X					X		
			X			X		6	X	X					X		

Comments / Remarks

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

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

Relinquished by: <u>[Signature]</u>	Date: <u>3/5/09</u>	Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>03-06-09</u>	Time: <u>0730</u>
Relinquished by: <u>[Signature]</u>	Date: <u>03-06-09</u>	Time: <u>0930</u>	Received by: <u>[Signature]</u>	Date: <u>DOM/AR09</u>	Time: <u>1105</u>
Relinquished by: <u>[Signature]</u>	Date: <u>DOM/AR09</u>	Time: <u>1638</u>	Received by: <u>[Signature]</u>	Date: <u>3/6/09</u>	Time: <u>1600</u>
Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other _____ Temperature Upon Receipt: <u>1.5-3.0</u> °C Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

ANALYTICAL RESULTS

Prepared for:

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

916-677-3407

Prepared by:

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

RECEIVED

MAR 18 2009

GETTLER-RYAN INC.
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 1135075. Samples arrived at the laboratory on Saturday, March 07, 2009. The PO# for this group is 92960 and the release number is MTI.

Client Description

QA-T-090305 NA Water
C-8-W-090305 Grab Water

Lancaster Labs Number

5616394
5616395

ELECTRONIC Gettler-Ryan, Inc.
COPY TO

Attn: Cheryl Hansen

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,


Sarah Snyder
Specialist

Lancaster Laboratories Sample No. WW5616394

Group No. 1135075

QA-T-090305 NA Water
 Facility# 92960 Job# 386365 MTI# 61H-1964 GRD
 2416 Grove-Castro Valley T0600100318 QA
 Collected: 03/05/2009

Account Number: 12099

Submitted: 03/07/2009 10:00
 Reported: 03/17/2009 at 19:16
 Discard: 04/17/2009

Chevron c/o CRA
 Suite 110
 2000 Opportunity Drive
 Roseville CA 95678

GCVQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	Detection Limit 50	ug/l	1
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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	03/16/2009 14:22	Katrina T Longenecker	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	03/14/2009 03:35	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/16/2009 14:22	Katrina T Longenecker	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/14/2009 03:35	Michael A Ziegler	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. **WW5616395**

Group No. **1135075**

C-8-W-090305 Grab Water

Facility# 92960 Job# 386365 MTI# 61H-1964 GRD

2416 Grove-Castro Valley T0600100318 C-8

Collected: 03/05/2009 15:10 by JH

Account Number: 12099

Submitted: 03/07/2009 10:00

Reported: 03/17/2009 at 19:16

Discard: 04/17/2009

Chevron c/o CRA

Suite 110

2000 Opportunity Drive

Roseville CA 95678

GCV08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200		50	ug/l	1
06056	BTEX+5 Oxygenates by 8260B						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.		0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.		0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.		0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	2		2	ug/l	1
05401	Benzene	71-43-2	14		0.5	ug/l	1
05407	Toluene	108-88-3	0.7		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	2		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	1		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 N. CA water C6-C12	SW-846 8015B	1	03/16/2009 22:08	Katrina T Longenecker	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	03/13/2009 21:23	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/16/2009 22:08	Katrina T Longenecker	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/13/2009 21:23	Michael A Ziegler	1

Quality Control Summary

 Client Name: Chevron c/o CRA
 Reported: 03/17/09 at 07:16 PM

Group Number: 1135075

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: 09075A07A TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	118	75-135	8	30
Batch number: Z090724AA	Sample number(s): 5616394-5616395							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		78-117		
di-Isopropyl ether	N.D.	0.5	ug/l	93		71-124		
Ethyl t-butyl ether	N.D.	0.5	ug/l	100		75-118		
t-Amyl methyl ether	N.D.	0.5	ug/l	101		78-117		
t-Butyl alcohol	N.D.	2.	ug/l	97		74-116		
Benzene	N.D.	0.5	ug/l	97		80-116		
Toluene	N.D.	0.5	ug/l	105		80-115		
Ethylbenzene	N.D.	0.5	ug/l	102		80-113		
Xylene (Total)	N.D.	0.5	ug/l	102		81-114		

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: 09075A07A TPH-GRO N. CA water C6-C12	Sample number(s): 5616394-5616395 UNSPK: P616419								
	127		63-154						
Batch number: Z090724AA	Sample number(s): 5616394-5616395 UNSPK: P616646								
Methyl Tertiary Butyl Ether	102	103	72-126	0	30				
di-Isopropyl ether	98	98	70-129	0	30				
Ethyl t-butyl ether	105	105	74-122	0	30				
t-Amyl methyl ether	108	111	75-122	3	30				
t-Butyl alcohol	99	99	67-119	0	30				
Benzene	105	106	80-126	0	30				
Toluene	113	113	80-125	0	30				
Ethylbenzene	112	112	77-125	0	30				
Xylene (Total)	111	110	79-125	0	30				

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-GRO N. CA water C6-C12

*- 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 c/o CRA
Reported: 03/17/09 at 07:16 PM

Group Number: 1135075

Surrogate Quality Control

Batch number: 09075A07A
Trifluorotoluene-F

5616394	101
5616395	157*
Blank	99
LCS	112
LCS D	113
MS	110

Limits: 63-135

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z090724AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5616394	93	95	108	92
5616395	91	92	110	101
Blank	92	94	108	93
LCS	91	95	108	98
MS	93	94	109	97
MSD	92	94	109	97

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:

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
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	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		
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.		

U.S. EPA 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 amount not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
J Estimated value	U Compound was not detected
N Presumptive evidence of a compound (TICs only)	W Post digestion spike out of control limits
P Concentration difference between primary and confirmation columns >25%	* Duplicate analysis not within control limits
U Compound was not detected	+ Correlation coefficient for MSA <0.995
X,Y,Z 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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