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8:41 am, Mar 26, 2010

Alameda County
Environmental Health

Aaron Costa
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

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

Re: Former Chevron Service Station No. 9-0329
340 Highland Avenue
Piedmont, CA

I have reviewed the attached report dated December 10, 2009.

I agree with the conclusions and recommendations presented in the referenced report. This 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 who 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 to the best of my knowledge.

Sincerely,

A handwritten signature in black ink that reads "Aaron Costa".

Aaron Costa
Project Manager

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
<http://www.craworld.com>

December 10, 2009

Reference No. 311776

Mr. Mark Detterman
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Second Semi-Annual 2009 Groundwater Monitoring and Sampling Report
Former Chevron Service Station 9-0329
340 Highland Avenue
Piedmont, California
Fuel Leak Case No. RO0269

Dear Mr. Detterman:

Conestoga-Rovers & Associates is submitting this *Second Semi-Annual 2009 Groundwater Monitoring and Sampling Report* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figure 1)

Groundwater monitoring and sampling was performed by Blaine Tech Services (Blaine Tech) of San Jose, California. Groundwater monitoring and sampling data from this event are presented in Figure 2. Cumulative groundwater monitoring and sampling data are summarized in Tables 1 and 2. Blaine Tech's September 25, 2009 *Second Semi-Annual Monitoring* report is presented as Attachment A. Groundwater samples were sent to Lancaster Laboratories (Lancaster) of Pennsylvania for chemical analysis. Lancaster's October 29, 2009 report is included as Attachment B.

Equal
Employment Opportunity
Employer



**CONESTOGA-ROVERS
& ASSOCIATES**

December 10, 2009

Reference No. 311973

- 2 -

Please contact Charlotte Evans at (510) 420-3351 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charlotte Evans



Brandon S. Wilken, P.G. #7564

BY/doh/4

Enc.

Figure 1	Site Vicinity Map
Figure 2	Hydrocarbon Concentration Map and Potentiometric Surface Map
Table 1	Groundwater Monitoring Data and Analytical Results
Table 2	Groundwater Monitoring Data and Analytical Results - Oxygenates
Attachment A	Blaine Tech's September 25, 2009 <i>Second Semi-Annual Monitoring Report</i>
Attachment B	Lancaster Laboratories October 29, 2009 Analytical Report

cc: Mr. Aaron Costa, Chevron Environmental Management Company

FIGURES

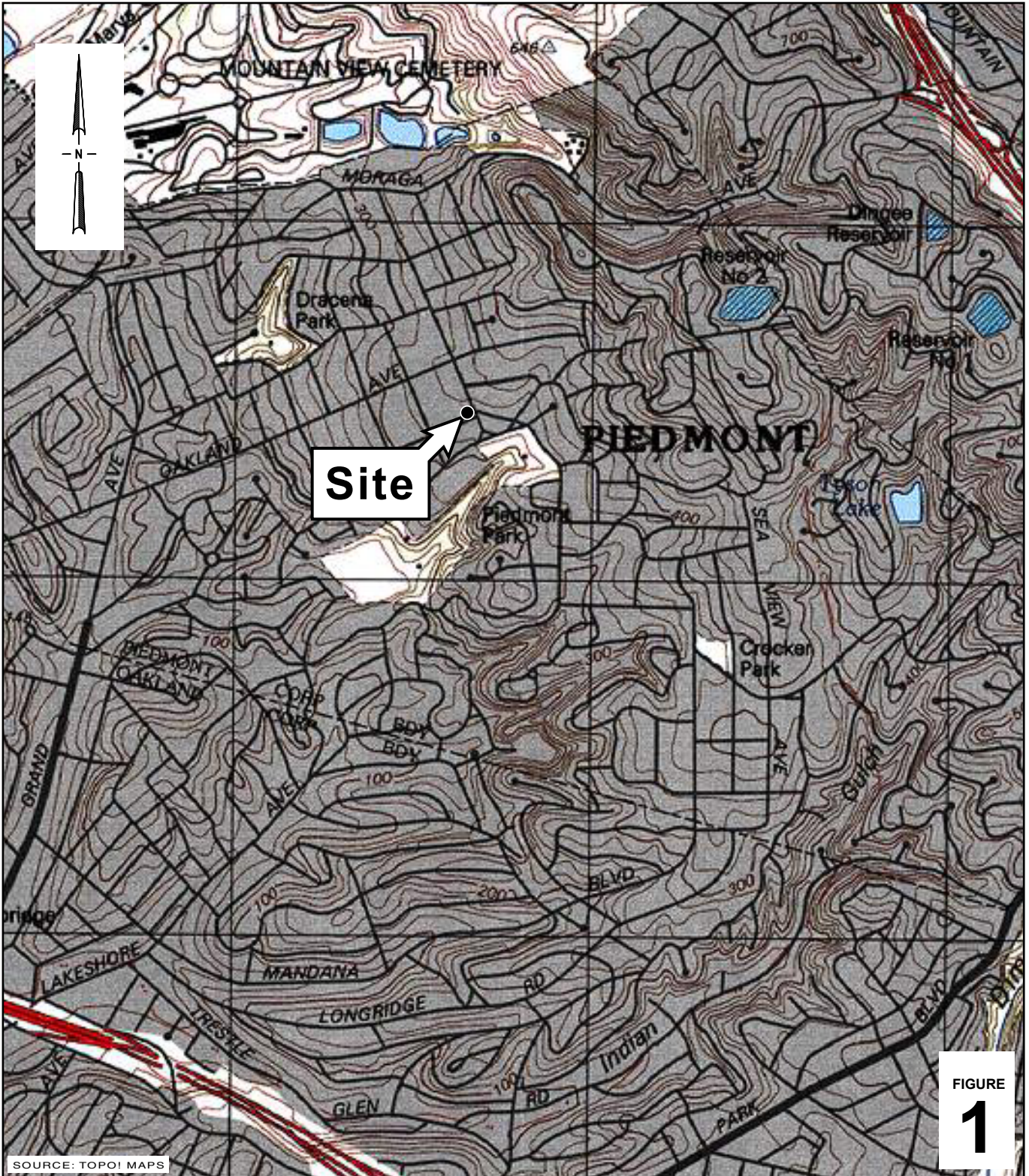


FIGURE 1

Former Chevron Station 9-0329

340 Highland Avenue
Piedmont, California



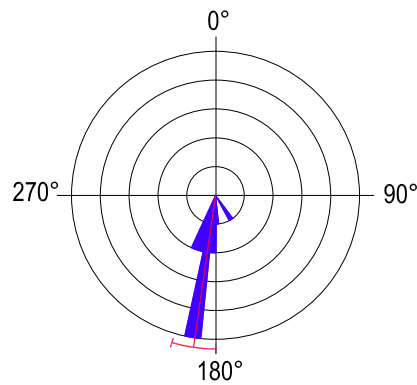
C A M B R I A

Vicinity Map

EXPLANATION

- Tank backfill well
- Gettler-Ryan monitoring wells (1983)
PEG monitoring wells (1996)
- MW-6 Resna (1994) Abandoned well
- Well Designation
- ELEV Groundwater elevation
- TPHG } Hydrocarbon concentrations in groundwater,
BENZ } in micrograms per liter (µg/L)
MTBE }
- NA Not Available
- 340.50 — Groundwater elevation contour line
dashed where inferred

Basemap modified from Pacific Environmental Group, Inc.



Historic Groundwater Flow Direction
2000 through 2009

3Q09 Approximate groundwater flow direction
at a gradient of 0.025 to 0.067

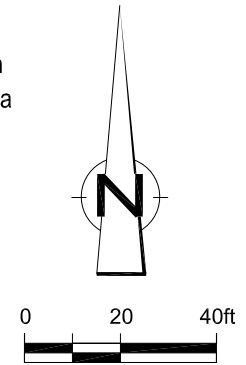
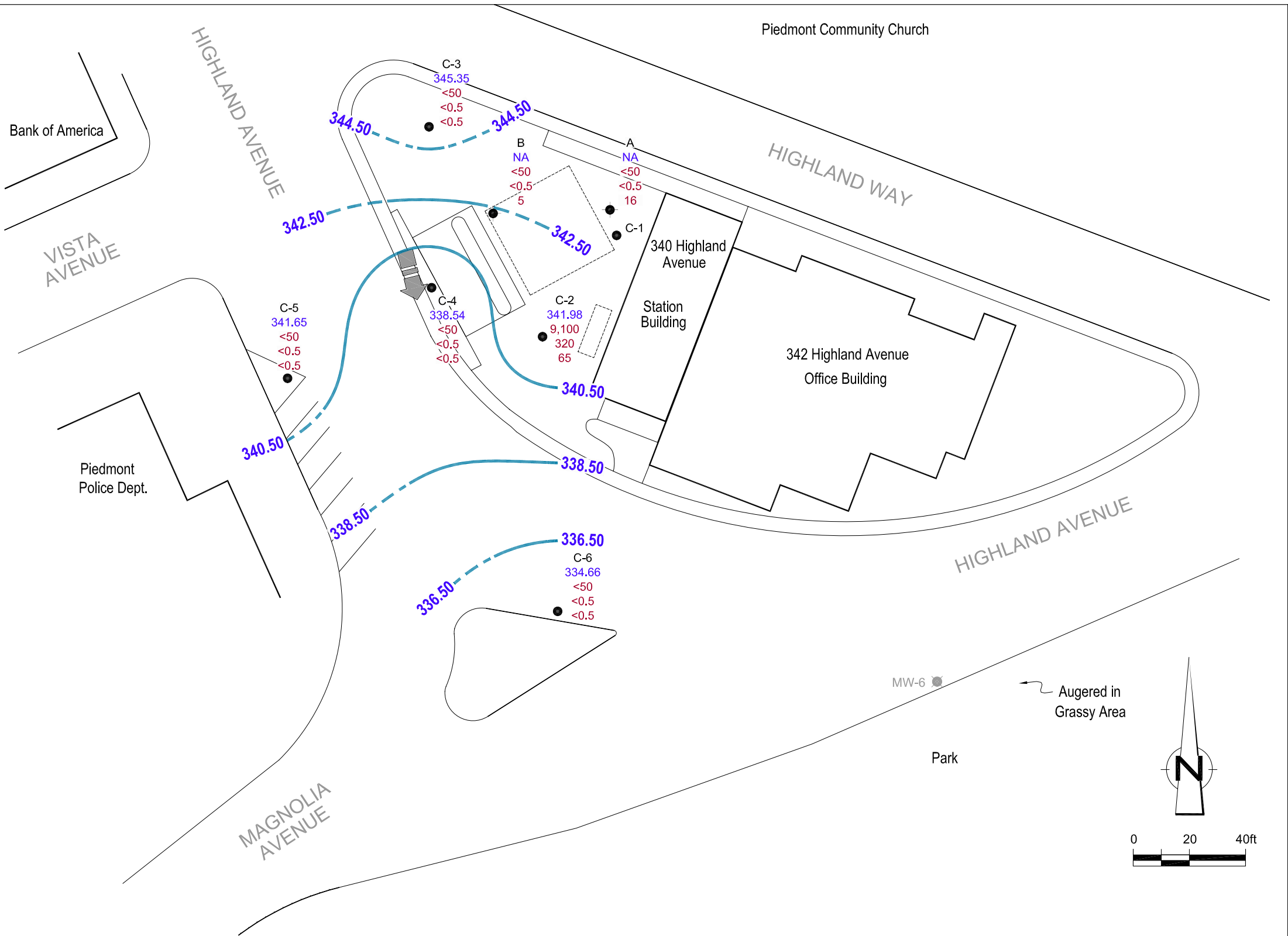


Figure 2
GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON STATION 9-0329
340 HIGHLAND AVENUE
Oakland, California
September 25, 2009



TABLES

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2										
08/07/89	94.19	2.88	91.31	--	34,000	580	60	170	270	--
11/15/89	94.19	2.80	91.39	--	8,100	500	36	420	180	--
02/01/91	94.19	3.75	90.44	--	6,800	490	21	310	86	--
04/16/91	94.19	2.55	91.64	--	9,600	810	43	550	270	--
10/16/91	94.19	3.52	90.67	--	7,100	320	23	200	60	--
01/08/92	94.19	4.15	90.04	--	2,400	190	9.0	83	22	--
04/10/92	94.19	2.96	91.23	--	6,600	550	33	340	170	--
07/14/92	94.19	2.83	91.36	--	9,000	680	330	580	690	--
10/05/92	94.19	4.38	89.81	--	5,500	250	17	130	82	--
01/06/93	94.19	3.94	90.25	--	5,500	190	32	41	54	--
03/29/93	94.19	2.09	92.10	--	19,000	670	40	180	370	--
07/02/93	94.19	2.09	92.10	--	8,000	1,100	41	420	500	--
10/11/93	94.19	2.76	91.43	--	42,000	940	34	140	87	--
01/10/94	94.19	4.82	89.37	--	12,000	770	20	220	74	--
04/06/94	94.19	2.49	91.70	--	40,000	820	33	190	110	--
07/06/94	94.19	2.47	91.72	--	8,800	870	28	140	95	--
11/11/94	94.19	2.87	91.32	--	8,600	460	81	180	120	--
01/06/95	94.19	2.55	91.64	--	15,000	880	48	270	140	--
04/13/95	94.19	2.06	92.13	--	56,000	2,500	130	730	360	--
07/25/95	94.19	2.14	92.05	--	11,000	1,000	34	540	160	--
10/05/95	94.19	2.51	91.68	--	13,000	1,000	<20	160	170	--
01/02/96	94.19	2.22	91.97	--	9,500	1,300	<50	380	87	64,000
04/11/96	94.19	1.92	92.27	--	<10,000	1,300	<100	<100	<100	74,000
07/08/96	94.19	2.05	92.14	--	<20,000	1,200	<200	<200	<200	110,000
10/03/96	94.19	2.29	91.90	--	<25,000	1,200	<250	<250	<250	140,000
01/23/97	343.39	1.90	341.49	--	20,000	1,100	<200	460	<200	110,000
02/14/97	343.39	1.97	341.42	--	--	--	--	--	--	150,000 ¹
04/08/97	343.39	2.27	341.12	--	<50,000	1,100	<500	<500	<500	160,000
07/09/97	343.39	1.98	341.41	--	<50,000	1,300	<500	<500	<500	210,000
10/08/97	343.39	2.30	341.09	--	18,000	1,400	<50	300	95	160,000
01/22/98	343.39	1.68	341.71	--	10,000	860	10	140	37	70,000
04/15/98	343.39	1.20	342.19	--	<10,000	1,400	<100	510	<100	46,000
07/09/98	343.39	1.47	341.92	--	33,000	1,700	<50	650	<50	120,000

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-2 (cont)										
10/02/98	343.39	2.13	341.26	--	11,000	920	11	130	76	100,000
01/18/99	343.39	1.84	341.55	--	<25,000	1,770	<250	<250	<250	48,400/78,300 ¹
04/19/99	343.39	1.17	342.22	--	9,900	1,110	26.6	455	82	33,300
09/28/99	343.39	2.81	340.58	--	11,500	1,100	<50	93.9	53.1	26,200
10/27/99	343.39	2.98	340.41	--	9,440	711	<20	74.9	42.4	17,500
01/17/00	343.39	2.35	341.04	--	12,200	813	<50	133	<50	21,200
04/11/00	343.39	1.31	342.08	--	210 ⁴	26	<0.50	3.7	1.1	580
07/12/00	343.39	1.79	341.60	--	18,100 ⁵	1,350	480	800	1,240	19,200
10/07/00	343.39	1.70	341.69	--	8,860 ⁵	1,070	<20.0	406	90.5	20,000
01/05/01	343.39	1.57	341.82	--	14,000 ⁴	2,000	55	560	120	17,000
04/05/01	343.39	1.37	342.02	--	4,900 ⁴	330	38	120	32	1,200
08/20/01	343.39	2.52	340.87	--	7,300	1,100	42	290	55	7,200
11/26/01	343.39	1.35	342.04	--	9,500	650	13	66	44	3,100
02/25/02	343.39	0.82	342.57	--	5,300	340	6.9	83	22	1,200/1,400 ⁷
05/17/02	343.39	1.85	341.54	--	6,300	160	5.1	45	14	5,100
08/13/02	343.39	1.95	341.44	--	8,800	670	16	380	73	3,700
11/23/02	343.39	1.62	341.77	--	9,400	490	11	250	47	1,900
02/17/03	343.39	0.65	342.74	--	7,000	340	9.9	160	35	4,200/3,800 ⁷
05/19/03 ⁸	343.39	0.92	342.47	--	2,500	390	8	90	26	6,000
08/18/03 ⁸	343.39	1.05	342.34	--	6,400	300	7	62	23	3,500
11/17/03 ⁸	343.39	1.08	342.31	--	5,900	290	6	13	25	2,200
05/03/06 ⁸	343.39	0.32	343.07	2,400	6,100	400	9	110	27	690
03/22/07 ⁸	343.39	0.92	342.47	--	6,700	260	6	52	23	380
09/25/09^o	343.39	1.41	341.98	--	9,100	320	8	68	41	65
C-3										
08/07/89	97.65	4.29	93.36	--	<50	<0.5	<1.0	<1.0	<3.0	--
11/15/89	97.65	5.17	92.48	--	<500	<0.5	2.8	<0.5	1.1	--
02/01/91	97.65	6.38	91.27	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/16/91	97.65	3.72	93.93	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/16/91	97.65	8.20	89.45	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/92	97.65	6.68	90.97	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/10/92	97.65	4.50	93.15	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)										
07/14/92	97.65	6.21	91.44	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/92	97.65	9.31	88.34	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/06/93	97.65	3.41	94.24	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/93	97.65	0.50	97.15	--	<50	<0.5	<0.5	<0.5	0.8	--
07/02/93	97.65	2.59	95.06	--	<50	4.0	3.0	<0.5	3.0	--
10/11/93	97.65	4.90	92.75	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/10/94	97.65	4.39	93.26	--	<50	<0.5	1.0	<0.5	0.8	--
04/06/94	97.65	2.68	94.97	--	<50	<0.5	1.0	0.7	4.5	--
07/06/94	97.65	2.10	95.55	--	<50	2.2	4.1	<0.5	2.8	--
11/11/94	97.65	1.23	96.42	--	<50	<0.5	0.8	<0.5	<0.5	--
01/06/95	97.65	0.60	97.05	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13/95	97.65	0.60	97.05	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/25/95	97.65	1.65	96.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/95	97.65	3.63	94.02	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	97.65	3.12	94.53	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/96	97.65	0.82	96.83	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/08/96	97.65	1.50	96.15	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/03/96	97.65	2.48	95.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/23/97	347.08	0.21	346.87	--	<50	<0.5	<0.5	<0.5	<0.5	3.2
04/08/97	347.08	0.75	346.33	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/97	347.08	1.47	345.61	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/08/97	347.08	2.04	345.04	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/22/98	347.08	FLOODED	--	--	<50	<0.5	<0.5	<0.5	<0.5	40
04/15/98	347.08	FLOODED	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/13/98 ²	347.20	--	--	--	--	--	--	--	--	--
07/09/98	347.20	0.47	346.73	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/02/98	347.20	0.98	346.22	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
01/18/99	347.20	0.77	346.43	--	<50	<0.5	<0.5	<0.5	<1.5	<2.0
04/19/99	347.20	0.53	346.67	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/19/99	347.20	0.81	346.39	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	347.20	1.47	345.73	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/17/00	347.20	0.94	346.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/00	347.20	0.30	346.90	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-3 (cont)										
07/12/00	347.20	0.42	346.78	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
10/07/00	347.20	1.01	346.19	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
01/05/01	347.20	1.38	345.82	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/05/01	347.20	0.35	346.85	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/20/01	347.20	0.80	346.40	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/26/01	347.20	0.36	346.84	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/25/02	347.20	0.36	346.84	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ⁷
05/17/02	347.20	0.45	346.75	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/13/02	347.20	1.11	346.09	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/23/02	347.20	1.49	345.71	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/17/03	347.20	0.51	346.69	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 ⁷
05/19/03 ⁸	347.20	0.30	346.90	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/18/03 ⁸	347.20	0.35	346.85	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/03 ⁸	347.20	0.28	346.92	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/06 ⁸	347.20	0.21	346.99	240	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/22/07 ⁸	347.20	0.22	346.98	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/09⁹	347.20	1.85	345.35	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-4										
08/07/89	95.60	DRY	--	--	--	--	--	--	--	--
11/15/89	95.60	4.95	90.65	--	1300	2.9	310	0.5	2.9	--
02/01/91	95.60	4.78	90.82	--	72	<0.5	9.0	<0.5	<0.5	--
04/16/91	95.60	4.83	90.77	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/16/91	95.60	4.23	91.37	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/92	95.60	4.81	90.79	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/10/92	95.60	4.26	91.34	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	95.60	4.28	91.32	--	<50	<0.5	3.8	<0.5	<0.5	--
10/05/92	95.60	4.29	91.31	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/06/93	95.60	4.29	91.31	--	<50	0.7	<0.5	<0.5	<0.5	--
03/29/93	95.60	4.30	91.30	--	<50	0.5	1.0	<0.5	2.0	--
07/02/93	95.60	4.22	91.38	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/11/93	95.60	4.30	91.30	--	<50	0.6	<0.5	<0.5	<0.5	--
01/10/94	95.60	4.44	91.16	--	<50	0.7	3.0	<0.5	1.0	--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)										
04/06/94	95.60	4.24	91.36	--	130	2.2	5.4	3.3	24	--
07/06/94	95.60	4.24	91.36	--	99	5.9	7.5	2.0	12	--
11/11/94	95.60	4.21	91.39	--	<50	<0.5	9.5	<0.5	<0.5	--
01/06/95	95.60	4.42	91.18	--	<50	0.7	1.0	<0.5	1.1	--
04/13/95	95.60	4.24	91.36	--	67	0.54	7.2	<0.5	1.1	--
07/25/95	95.60	4.24	91.36	--	390	<2.0	150	<2.0	<2.0	--
10/05/95	95.60	4.38	91.22	--	130	<0.5	66	<0.5	<0.5	--
01/02/96	95.60	4.26	91.34	--	<50	<0.5	<0.5	<0.5	<0.5	34
04/11/96	95.60	4.39	91.21	--	<50	<0.5	0.93	<0.5	<0.5	56
07/08/96	95.60	4.28	91.32	--	<50	<0.5	<0.5	<0.5	<0.5	21
10/03/96	95.60	4.22	91.38	--	80	<0.5	31	<0.5	<0.5	9.9
01/23/97	344.94	4.39	340.55	--	<50	<0.5	<0.5	<0.5	<0.5	23
04/08/97	344.94	4.25	340.69	--	87	<0.5	3.6	<0.5	1.7	7.0
07/09/97	344.94	4.21	340.73	--	93	<0.5	32	<0.5	<0.5	26
10/08/97	344.94	4.34	340.60	--	<50	<0.5	0.63	<0.5	<0.5	12
01/22/98	344.94	4.26	340.68	--	<50	<0.5	4.3	<0.5	<0.5	10
04/15/98	344.94	1.01	343.93	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
07/09/98	344.94	4.25	340.69	--	<50	<0.5	<0.5	<0.5	<0.5	37
10/02/98	344.94	4.35	340.59	--	--	--	--	--	--	--
01/18/99	344.94	4.21	340.73	--	<50	<0.5	<0.5	<0.5	<0.5	25.4
04/19/99	344.94	2.31	342.63	--	--	--	--	--	--	--
07/19/99 ³	344.94	1.53	343.41	--	10,000	1,160	23	178	50.4	45,600
09/28/99	344.94	4.70	340.24	--	<50	<0.5	0.919	<0.5	<0.5	<2.5
10/27/99	344.94	1.26	343.68	--	--	--	--	--	--	--
01/17/00	344.94	4.22	340.72	--	<50	<0.5	21.4	<0.5	<0.5	4.6
04/11/00	344.94	4.21	340.73	--	--	--	--	--	--	--
07/12/00	344.94	4.21	340.73	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
10/07/00	344.94	4.23	340.71	--	--	--	--	--	--	--
01/05/01	344.94	4.22	340.72	--	<50	<0.50	<0.50	<0.50	<0.50	27
04/05/01	344.94	4.23	340.71	--	--	--	--	--	--	--
08/20/01	344.94	4.27	340.67	--	<50	<0.50	<0.50	<0.50	<0.50	18
11/26/01	344.94	4.26	340.68	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
02/25/02	344.94	4.25	340.69	--	<50	<0.50	1.8	<0.50	<1.5	24/24 ⁷

Table 1
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Piedmont, California

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C-4 (cont)										
05/17/02	344.94	3.30	341.64	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
08/13/02	344.94	4.10	340.84	--	<50	<0.50	<0.50	<1.0	<1.5	7.3
11/23/02	344.94	3.04	341.90	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
02/17/03	344.94	2.12	342.82	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 ⁷
05/19/03	344.94	2.57	342.37	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
08/18/03 ⁸	344.94	2.99	341.95	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/03	344.94	2.25	342.69	SAMPLED SEMI-ANNUALLY		--	--	--	--	--
05/03/06 ⁸	344.94	2.15	342.79	360	<50	<0.5	<0.5	<0.5	<0.5	3
03/22/07 ⁸	344.94	2.44	342.50	--	<50	<0.5	<0.5	<0.5	<0.5	16
09/25/09⁹	344.94	6.40	338.54	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-5										
11/25/96	--	3.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/23/97	345.14	1.45	343.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/08/97	345.14	2.32	342.82	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/97	345.14	2.30	342.84	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/08/97	345.14	3.00	342.14	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/22/98	345.14	1.00	344.14	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/15/98	345.14	3.25	341.89	SAMPLED ANNUALLY		--	--	--	--	--
07/09/98	345.14	0.20	344.94	--	--	--	--	--	--	--
10/02/98	345.14	2.32	342.82	--	--	--	--	--	--	--
01/18/99	345.14	2.13	343.01	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/19/99	345.14	2.07	343.07	--	--	--	--	--	--	--
07/19/99	345.14	2.42	342.72	--	--	--	--	--	--	--
10/27/99	345.14	2.37	342.77	--	--	--	--	--	--	--
01/17/00	345.14	2.50	342.64	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/00	345.14	2.18	342.96	--	--	--	--	--	--	--
07/12/00	345.14	2.08	343.06	--	--	--	--	--	--	--
10/07/00	345.14	2.38	342.76	--	--	--	--	--	--	--
01/05/01	345.14	2.13	343.01	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/05/01	345.14	1.80	343.34	--	--	--	--	--	--	--
08/20/01	345.14	2.08	343.06	--	--	--	--	--	--	--
11/26/01	345.14	2.25	342.89	SAMPLED ANNUALLY		--	--	--	--	--

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C-5 (cont)										
02/25/02	345.14	2.80	342.34	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ⁷
05/17/02	345.14	1.81	343.33	SAMPLED ANNUALLY		--	--	--	--	--
08/13/02	345.14	1.82	343.32	SAMPLED ANNUALLY		--	--	--	--	--
11/23/02	345.14	2.36	342.78	SAMPLED ANNUALLY		--	--	--	--	--
02/17/03	345.14	1.89	343.25	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 ⁷
05/19/03	345.14	1.91	343.23	SAMPLED ANNUALLY		--	--	--	--	--
08/18/03	345.14	1.92	343.22	SAMPLED ANNUALLY		--	--	--	--	--
11/17/03	345.14	2.08	343.06	SAMPLED ANNUALLY		--	--	--	--	--
05/03/06 ⁸	345.14	1.27	343.87	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/22/07 ⁸	345.14	1.43	343.71	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/09⁹	345.14	3.49	341.65	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-6										
11/25/96	--	2.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/23/97	338.61	FLOODED	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/08/97	338.61	FLOODED	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/97	338.61	2.77	335.84	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/08/97	338.61	1.44	337.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/22/98	338.61	1.54	337.07	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/15/98	338.61	1.30	337.31	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/98	338.61	FLOODED	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/02/98	338.61	2.80	335.81	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
01/18/99	338.61	1.29	337.32	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/19/99	338.61	1.31	337.30	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/19/99	338.61	1.56	337.05	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	338.61	1.45	337.16	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/17/00	338.61	1.65	336.96	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/00	338.61	1.56	337.05	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/12/00	338.61	1.01	337.60	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
10/07/00	338.61	1.19	337.42	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
01/05/01	338.61	0.87	337.74	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/05/01	338.61	0.32	338.29	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/20/01	338.61	-- ⁶	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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C-6 (cont)										
11/26/01	338.61	0.76	337.85	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/25/02	338.61	-- ⁶	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ⁷
05/17/02	338.61	-- ⁶	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/13/02	338.61	0.90	337.71	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/23/02	338.61	1.03	337.58	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/17/03	338.61	0.85	337.76	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5 ⁷
05/19/03 ⁸	338.61	-- ⁶	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/18/03 ⁸	338.61	0.00	338.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/03 ⁸	338.61	0.00	338.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/06 ⁸	338.61	0.00	338.61	150	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/22/07 ⁸	338.61	0.00	338.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/09^o	338.61	3.95	334.66	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Backfill Well: A										
08/07/89	--	2.10	--	--	1,000	50	6.0	5.0	22	--
11/15/89	--	2.04	--	--	3,700	98	2.1	4.3	55	--
02/01/91	--	3.05	--	--	36,000	1,100	750	130	6,100	--
04/16/91	--	2.01	--	--	8,000	370	6.0	86	750	--
10/16/91	--	4.15	--	--	--	--	--	--	--	--
03/22/07 ⁸	--	0.75	--	--	<50	<0.5	<0.5	<0.5	<0.5	27
09/25/09^o	--	1.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	16
Backfill Well: B										
08/07/89	--	4.12	--	--	--	--	--	--	--	--
11/15/89	--	--	--	--	--	--	--	--	--	--
02/01/91	--	5.03	--	--	--	--	--	--	--	--
04/16/91	--	4.00	--	--	--	--	--	--	--	--
10/16/91	--	6.24	--	--	--	--	--	--	--	--
03/22/07 ⁸	--	3.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	16
09/25/09^o	--	3.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	5

Table 1
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Trip Blank										
TB-LB										
01/06/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/93	--	--	--	--	<50	<0.5	<0.5	<0.5	1.0	--
07/02/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/11/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/06/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/06/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/06/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/05/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/02/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/08/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/03/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/08/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/08/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/22/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/09/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/02/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/18/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/17/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/11/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/12/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
10/07/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
01/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

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Trip Blank (cont)										
04/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/20/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA										
11/26/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/25/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/17/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/23/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/17/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/19/03 ⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/18/03 ⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/03 ⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/06 ⁹	--	--	--	--	<50	--	--	--	--	--
03/22/07 ⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/09 ^o	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
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340 Highland Avenue
Piedmont, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
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EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to April 11, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

TPH-D = Total Petroleum Hydr X = Xylenes

TPH-G = Total Petroleum Hydr MTBE = Methyl tertiary butyl ether

B = Benzene

T = Toluene

E = Ethylbenzene

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

* TOC elevations are relative to msl.

1 MTBE confirmation run.

2 TOC elevation adjusted due to broken top of casing.

3 Anomalous results: Results for this sample are likely the result of a mislabeling of sample containers; results most closely resemble those of well C-2.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates weathered gasoline C6-C12.

6 Unable to determine DTW, water overflowing TOC.

7 MTBE by EPA Method 8260.

8 BTEX and MTBE by EPA Method 8260.

9 Due to QC issues at the Laboratory; BTEX and MTBE could not be reported.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
C-2	02/25/02	<500	210	1,400	<2	2	97	<2	<2
	02/17/03	--	890	3,800	<1	6	110	<1	<1
	05/19/03	--	--	6,000	--	--	--	--	--
	08/18/03	<250	--	3,500	--	--	--	--	--
	11/17/03	<200	--	2,200	--	--	--	--	--
	05/03/06	--	--	690	--	--	--	--	--
	03/22/07	--	16	380	<0.5	<0.5	35	<0.5	<0.5
	09/25/09	--	4 J	65	<1	<1	7	--	--
C-3	02/25/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/17/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	05/19/03	--	--	<0.5	--	--	--	--	--
	08/18/03	<50	--	<0.5	--	--	--	--	--
	11/17/03	<50	--	<0.5	--	--	--	--	--
	05/03/06	--	--	<0.5	--	--	--	--	--
	03/22/07	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/09	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
C-4	02/25/02	<500	<100	24	<2	<2	<2	<2	<2
	02/17/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	05/19/03	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
	08/18/03	<50	--	<0.5	--	--	--	--	--
	05/03/06	--	--	3	--	--	--	--	--
	03/22/07	--	<2	16	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/09	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
	C-5	02/25/02	<500	<100	<2	<2	<2	<2	<2
02/17/03		--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
05/19/03		SAMPLED ANNUALLY		--	--	--	--	--	--
05/03/06		--	--	<0.5	--	--	--	--	--
03/22/07		--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/09		--	<2	<0.5	<0.5	<0.5	<0.5	--	--

Table 2
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron Service Station #9-0329
340 Highland Avenue
Piedmont, California

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
C-6	02/25/02	<500	<100	<2	<2	<2	<2	<2	<2
	02/17/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	05/19/03	--	--	<0.5	--	--	--	--	--
C-6 (cont)	08/18/03	<50	--	<0.5	--	--	--	--	--
	11/17/03	<50	--	<0.5	--	--	--	--	--
	05/03/06	--	--	<0.5	--	--	--	--	--
	03/22/07	--	<2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/09	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
Backfill Well: A									
	03/22/07	--	39	27	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/09	--	<2	16	<0.5	<0.5	<0.5	--	--
Backfill Well: B									
	03/22/07	--	11	16	<0.5	<0.5	<0.5	<0.5	<0.5
	09/25/09	--	<2	5	<0.5	<0.5	<0.5	--	--

EXPLANATIONS:

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

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

ATTACHMENT A

BLAINE TECH'S SEPTEMBER 25, 2009 *SECOND SEMI-ANNUAL MONITORING REPORT*



September 28, 2009

Chevron Environmental Management Company
Aaron Costa
6111 Bollinger Canyon Rd.
San Ramon, CA 94583

Third Quarter 2009 Monitoring at
Chevron Service Station 90329
340 Highland Ave.
Piedmont, CA

Monitoring performed on September 25, 2009

Blaine Tech Services, Inc. Groundwater Monitoring Event 090925-JO2

This submission covers the routine monitoring of groundwater wells conducted on September 25, 2009 at this location. Seven monitoring wells were measured for depth to groundwater (DTW). Seven monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

Third Quarter Groundwater Monitoring at Chevron 90329, 340 Highland Ave., Piedmont, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

Samples were delivered under chain-of-custody to Lancaster Laboratories of Lancaster, Pennsylvania, for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to IWM facilities of San Jose, California.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,



Pete Cornish
Blaine Tech Services, Inc.
Project Manager

attachments: SOP
Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody
Wellhead Inspection Form
Bill of Lading
Calibration Log

cc: CRA
Attn: Charlotte Evans
5900 Hollis St. Suite A
Emeryville, CA 94608

Third Quarter Groundwater Monitoring at Chevron 90329, 340 Highland Ave., Piedmont, CA

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BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT CHEVRON SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Chevron comply with Chevron's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Chevron site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. GeoTech). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be

evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed approximately 2 hours to recharge prior to sampling or will be sampled at site departure. All wells requiring off-site traffic control in the public right-of-way, the 80% recharge rule may be disregarded in the interests of Health and Safety. The sample may be collected as soon as there is sufficient water. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Duplicate sample is collected, typically from the well containing the most measurable contaminants. The Duplicate sample is labeled the same as the original.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 550) or HACH field test kits.

The YSI meters are able to collect accurate in-situ readings. The probe allows downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe is lowered into the water column and the reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

WELL GAUGING DATA

Project # 090925-502 Date 9-25-09 Client Chevron

Site 340 Highland Ave Piedmont CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
C-2	0930	2					1.41	12.54	↓	
C-3	0934	2				1.85	12.92			
C-4	0938	2				6.40	8.65			
C-5	1025	2				3.49	16.94			
C-6	0948	2				3.95	12.40			
A	0941	6				1.33	8.56			
B	0944	6				3.60	9.02			

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-202</u>	Station #: <u>9-0329</u>
Sampler: <u>SO</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>75°F</u>
Well I.D.: <u>C-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>12.54</u>	Depth to Water: <u>1.41</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>3.63</u>	

Purge Method:	Sampling Method: <u>Bailer</u>
<input type="checkbox"/> Bailer <input checked="" type="checkbox"/> <u>Disposable Bailer</u> <input type="checkbox"/> Positive Air Displacement <input type="checkbox"/> Electric Submersible	<input type="checkbox"/> Waterra <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> <u>Disposable Bailer</u> <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____

<u>1.7</u> (Gals.) X	<u>3</u> Specified Volumes	<u>= 5.1</u> Gals. Calculated Volume
I Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1249</u>	<u>72.3</u>	<u>6.92</u>	<u>721</u>	<u>>1000</u>	<u>1.7</u>	<u>odor</u>
<u>1252</u>	<u>73.1</u>	<u>7.03</u>	<u>723</u>	<u>>1000</u>	<u>3.4</u>	↓
<u>1255</u>	<u>73.0</u>	<u>7.07</u>	<u>732</u>	<u>>1000</u>	<u>5.1</u>	↓

Did well dewater? Yes No Gallons actually evacuated: 5.1

Sampling Date: 9-25-09 Sampling Time: 1300 Depth to Water: 3.52

Sample I.D.: C-2 Laboratory: (Lancaster) Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See Col

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
------------------	-----------------------	------------------------

O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV
--------------------	---------------------	----------------------

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-202</u>	Station #: <u>9-0329</u>
Sampler: <u>50</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>75°F</u>
Well I.D.: <u>C-3</u>	Well Diameter: <u>2</u> 3 4 6 8 ____
Total Well Depth: <u>12.92</u>	Depth to Water: <u>1.85</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>4.06</u>	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

<u>1.7</u> (Gals.) X	<u>3</u>	=	<u>5.1</u> Gals.
I Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1209	73.0	6.93	603.4	>1000	1.7	
1212	73.4	6.94	612.1	>1000	3.4	
1215	73.4	6.97	618.7	>1000	5.1	

Did well dewater? Yes No Gallons actually evacuated: 5.1

Sampling Date: 9-25-09 Sampling Time: 1220 Depth to Water: 4.00

Sample I.D.: C-3 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see col

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
--------------------	------------	----	-------------	----

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-202</u>	Station #: <u>9-0329</u>
Sampler: <u>SD</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>78°F</u>
Well I.D.: <u>C-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>8.65</u>	Depth to Water: <u>6.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.85</u>	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
- Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling-Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

<u>0.3</u> (Gals.) X	<u>3</u> Specified Volumes =	<u>0.9</u> Gals. Calculated Volume
----------------------	------------------------------	------------------------------------

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>μS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1234</u>	<u>72.3</u>	<u>6.87</u>	<u>747.3</u>	<u>>1000</u>	<u>0.3</u>	
<u>1235</u>	<u>73.1</u>	<u>6.81</u>	<u>762.1</u>	<u>>1000</u>	<u>0.6</u>	
<u>1236</u>	<u>73.0</u>	<u>6.81</u>	<u>771.4</u>	<u>>1000</u>	<u>0.9</u>	

Did well dewater? Yes No Gallons actually evacuated: 0.9

Sampling Date: 9-25-09 Sampling Time: (1240) Depth to Water: 6.57

Sample I.D.: C-4 Laboratory: (Lancaster) Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see col

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-202</u>	Station #: <u>9-0329</u>
Sampler: <u>SD</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>70°</u>
Well I.D.: <u>C-5</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>16.94</u>	Depth to Water: <u>3.49</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>6.18</u> (Tr)	

Purge Method: Disposable Bailer Waterra Disposable Bailer
 Bailer Peristaltic Extraction Port
 Positive Air Displacement Extraction Pump Dedicated Tubing
 Electric Submersible Other _____ Other: _____

2.1 (Gals.) X 3 = 6.3 Gals.
 I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1030</u>	<u>72.1</u>	<u>7.6</u>	<u>738</u>	<u>>1000</u>	<u>2.1</u>	
<u>1033</u>	<u>71.3</u>	<u>7.12</u>	<u>733</u>	<u>>1000</u>	<u>4.2</u>	
<u>1036</u>	<u>71.4</u>	<u>7.09</u>	<u>722</u>	<u>>1000</u>	<u>6.3</u>	

Did well dewater? Yes No Gallons actually evacuated: 6.3

Sampling Date: 9-25-09 Sampling Time: 1040 Depth to Water: 5.64 (Tr)

Sample I.D.: C-5 Laboratory: (Lancaster) Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: See Col

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 090925-202	Station #: 9-0329
Sampler: SD	Date: 9-25-09
Weather: overcast	Ambient Air Temperature: 67° F
Well I.D.: C-6	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 17.40	Depth to Water: 3.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.64	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

2.1 (Gals.) X	3 Specified Volumes =	6.3 Gals. Calculated Volume
----------------------	------------------------------	------------------------------------

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0950	73.1	7.01	620	29	2.1	
0953	72.6	7.04	617	107	4.2	
0956	72.5	7.12	618	284	6.3	

Did well dewater? Yes **No** Gallons actually evacuated: **6.3**

Sampling Date: **9-25-09** Sampling Time: **1000** Depth to Water: **5.93**

Sample I.D.: **C-6** Laboratory: **(Lancaster)** Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see col**

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-502</u>	Station #: <u>9-0329</u>
Sampler: <u>SD</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>77.5°F</u>
Well I.D.: <u>A</u>	Well Diameter: 2 3 4 <u>(6)</u> 8 _____
Total Well Depth: <u>8.56</u>	Depth to Water: <u>1.33</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

- Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible
 Waterra
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

<u>10.6</u> (Gals.) X <u>3</u> = <u>31.8</u> Gals.
I Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>μS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1109</u>	<u>68.4</u>	<u>6.97</u>	<u>756</u>	<u>22</u>	<u>10.6</u>	<u>clear</u>
<u>1112</u>	<u>68.3</u>	<u>6.91</u>	<u>749</u>	<u>7</u>	<u>21.2</u>	<u>↓</u>
<u>1115</u>	<u>68.4</u>	<u>6.88</u>	<u>744</u>	<u>10</u>	<u>31.8</u>	<u>↓</u>

Did well dewater? Yes No Gallons actually evacuated: 31.8

Sampling Date: 9-25-09 Sampling Time: 1120 Depth to Water: 1.35

Sample I.D.: A Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see w/e

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>090925-502</u>	Station #: <u>9-0329</u>
Sampler: <u>10</u>	Date: <u>9-25-09</u>
Weather: <u>Sunny</u>	Ambient Air Temperature: <u>77.8° F</u>
Well I.D.: <u>B</u>	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: <u>9.02</u>	Depth to Water: <u>3.60</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>4.68</u>	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

<u>7.9</u>	(Gals.) X	<u>3</u>	=	<u>23.7</u>	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1134</u>	<u>69.1</u>	<u>6.92</u>	<u>742</u>	<u>21</u>	<u>7.9</u>	<u>clear</u>
<u>1136</u>	<u>69.2</u>	<u>6.98</u>	<u>735</u>	<u>11</u>	<u>15.8</u>	<u>↓</u>
<u>1138</u>	<u>69.4</u>	<u>6.97</u>	<u>733</u>	<u>10</u>	<u>23.7</u>	<u>↓</u>

Did well dewater? Yes No Gallons actually evacuated: 23.7

Sampling Date: 9-25-09 Sampling Time: 1145 Depth to Water: 3.60

Sample I.D.: B Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: see COC

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

ATTACHMENT B

LANCASTER LABORATORIES OCTOBER 29, 2009 ANALYTICAL REPORT

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 17605-2425

October 29, 2009

Project: 90329

Samples arrived at the laboratory on Saturday, September 26, 2009. The PO# for this group is 0015052483 and the release number is COSTA. The group number for this submittal is 1163645.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
C-2-W-090925 NA Water	5788271
C-3-W-090925 NA Water	5788272
C-4-W-090925 NA Water	5788273
C-5-W-090925 NA Water	5788274
C-6-W-090925 NA Water	5788275
A-W-090925 NA Water	5788276
B-W-090925 NA Water	5788277
QA-T-090925 NA Water	5788278

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

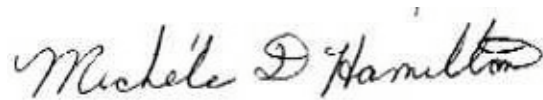
ELECTRONIC Chevron c/o CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Report Contact

Attn: Charlotte Evans

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

Respectfully Submitted,



Miche'le D. Hamilton
Group Leader



Analysis Report

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

Sample Description: C-2-W-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 C-2

LLI Sample # WW 5788271
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 13:00 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30
Reported: 10/29/2009 at 15:12
Discard: 11/29/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAP02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	7	1	2	2
06056	Benzene	71-43-2	320	1	2	2
06056	t-Butyl alcohol	75-65-0	4 J	4	10	2
06056	Ethyl t-butyl ether	637-92-3	N.D.	1	2	2
06056	Ethylbenzene	100-41-4	68	1	2	2
06056	di-Isopropyl ether	108-20-3	N.D.	1	2	2
06056	Methyl Tertiary Butyl Ether	1634-04-4	65	1	2	2
06056	Toluene	108-88-3	8	1	2	2
06056	Xylene (Total)	1330-20-7	41	1	2	2

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

GC Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	9,100	250	500

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	09/30/2009 22:19	Michael A Ziegler	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	09/30/2009 22:19	Michael A Ziegler	2
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09273B07A	10/02/2009 00:01	Matthew S Woods	5
01146	GC VOA Water Prep	SW-846 5030B	1	09273B07A	10/02/2009 00:01	Matthew S Woods	5

*=This limit was used in the evaluation of the final result

Sample Description: C-3-W-090925 NA Water
 Facility# 90329 BTST
 340 Highland-Piedmont T0600101885 C-3

LLI Sample # WW 5788272
 LLI Group # 1163645
 CA

Project Name: 90329

Collected: 09/25/2009 12:20 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30

Chevron

Reported: 10/29/2009 at 15:12

6001 Bollinger Canyon Rd L4310

Discard: 11/29/2009

San Ramon CA 94583

HAP03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	09/30/2009 23:03	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	09/30/2009 23:03	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09273B07A	10/01/2009 19:57	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09273B07A	10/01/2009 19:57	Matthew S Woods	1



Analysis Report

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

Sample Description: C-4-W-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 C-4

LLI Sample # WW 5788273
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 12:40 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30
Reported: 10/29/2009 at 15:12
Discard: 11/29/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAP04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	09/30/2009 23:26	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	09/30/2009 23:26	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09273B07A	10/01/2009 20:25	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09273B07A	10/01/2009 20:25	Matthew S Woods	1

*=This limit was used in the evaluation of the final result

Sample Description: C-5-W-090925 NA Water
 Facility# 90329 BTST
 340 Highland-Piedmont T0600101885 C-5

LLI Sample # WW 5788274
 LLI Group # 1163645
 CA

Project Name: 90329

Collected: 09/25/2009 10:40 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30

Chevron

Reported: 10/29/2009 at 15:12

6001 Bollinger Canyon Rd L4310

Discard: 11/29/2009

San Ramon CA 94583

HAP05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	09/30/2009 23:49	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	09/30/2009 23:49	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09274A20A	10/02/2009 12:46	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09274A20A	10/02/2009 12:46	Matthew S Woods	1



Analysis Report

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

Sample Description: C-6-W-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 C-6

LLI Sample # WW 5788275
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 10:00 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30

Chevron

Reported: 10/29/2009 at 15:12

6001 Bollinger Canyon Rd L4310

Discard: 11/29/2009

San Ramon CA 94583

HAP06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	10/01/2009 00:11	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	10/01/2009 00:11	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09274A20A	10/02/2009 13:07	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09274A20A	10/02/2009 13:07	Matthew S Woods	1

*=This limit was used in the evaluation of the final result



Analysis Report

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

Sample Description: A-W-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 A

LLI Sample # WW 5788276
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 11:20 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30

Chevron

Reported: 10/29/2009 at 15:12

6001 Bollinger Canyon Rd L4310

Discard: 11/29/2009

San Ramon CA 94583

HAP-A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	16	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC	Volatiles	SW-846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	10/01/2009 00:34	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	10/01/2009 00:34	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09274A20A	10/02/2009 13:29	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09274A20A	10/02/2009 13:29	Matthew S Woods	1

*=This limit was used in the evaluation of the final result



Analysis Report

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

Sample Description: B-W-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 B

LLI Sample # WW 5788277
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 11:45 by JO

Account Number: 10991

Submitted: 09/26/2009 10:30
Reported: 10/29/2009 at 15:12
Discard: 11/29/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAP-B

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
06056	Benzene	71-43-2	N.D.	0.5	1	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	5	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	1	1
06056	Toluene	108-88-3	N.D.	0.5	1	1
06056	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	D092733AA	10/01/2009 00:56	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	10/01/2009 00:56	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09274A20A	10/02/2009 13:51	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09274A20A	10/02/2009 13:51	Matthew S Woods	1

*=This limit was used in the evaluation of the final result



Analysis Report

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

Sample Description: QA-T-090925 NA Water
Facility# 90329 BTST
340 Highland-Piedmont T0600101885 QA

LLI Sample # WW 5788278
LLI Group # 1163645
CA

Project Name: 90329

Collected: 09/25/2009 13:10

Account Number: 10991

Submitted: 09/26/2009 10:30

Chevron

Reported: 10/29/2009 at 15:12

6001 Bollinger Canyon Rd L4310

Discard: 11/29/2009

San Ramon CA 94583

HAPQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	ug/l	
06054	Benzene	71-43-2	N.D.	0.5	1	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06054	Toluene	108-88-3	N.D.	0.5	1	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B			ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	D092733AA	10/01/2009 01:19	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092733AA	10/01/2009 01:19	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09274A20A	10/02/2009 11:37	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09274A20A	10/02/2009 11:37	Matthew S Woods	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

 Client Name: Chevron
 Reported: 10/29/09 at 03:12 PM

Group Number: 1163645

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

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: D092733AA	Sample number(s): 5788271-5788278								
t-Amyl methyl ether	N.D.	0.5	1	ug/l	95		77-120		
Benzene	N.D.	0.5	1	ug/l	103		79-120		
t-Butyl alcohol	N.D.	2.	5	ug/l	106		73-120		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	101		76-120		
Ethylbenzene	N.D.	0.5	1	ug/l	100		79-120		
di-Isopropyl ether	N.D.	0.5	1	ug/l	103		71-124		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	107		76-120		
Toluene	N.D.	0.5	1	ug/l	100		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	100		80-120		
Batch number: 09273B07A	Sample number(s): 5788271-5788273								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	109	109	75-135	0	30
Batch number: 09274A20A	Sample number(s): 5788274-5788278								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	118	118	75-135	0	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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: D092733AA	Sample number(s): 5788271-5788278 UNSPK: P788152								
t-Amyl methyl ether	87	100	75-122	13	30				
Benzene	94	107	80-126	13	30				
t-Butyl alcohol	94	103	67-119	9	30				
Ethyl t-butyl ether	92	103	74-122	11	30				
Ethylbenzene	91	102	71-134	12	30				
di-Isopropyl ether	107	107	70-129	0	30				
Methyl Tertiary Butyl Ether	99	110	72-126	11	30				
Toluene	91	106	80-125	15	30				
Xylene (Total)	91	104	79-125	13	30				
Batch number: 09273B07A	Sample number(s): 5788271-5788273 UNSPK: P788145								
TPH-GRO N. CA water C6-C12	118		63-154						
Batch number: 09274A20A	Sample number(s): 5788274-5788278 UNSPK: 5788275								
TPH-GRO N. CA water C6-C12	118		63-154						

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (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: 10/29/09 at 03:12 PM

Group Number: 1163645

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: BTEX+MTBE by 8260B
 Batch number: D092733AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5788271	97	97	96	110
5788272	101	100	95	101
5788273	101	102	95	101
5788274	103	101	95	100
5788275	100	100	94	99
5788276	101	100	93	101
5788277	101	103	94	100
5788278	101	101	94	99
Blank	100	100	96	103
LCS	100	100	95	109
MS	101	100	94	105
MSD	102	101	96	108
Limits:	80-116	77-113	80-113	78-113

 Analysis Name: TPH-GRO N. CA water C6-C12
 Batch number: 09273B07A

	Trifluorotoluene-F
5788271	154*
5788272	100
5788273	99
Blank	100
LCS	111
LCSD	111
MS	112
Limits:	63-135

 Analysis Name: TPH-GRO N. CA water C6-C12
 Batch number: 09274A20A

	Trifluorotoluene-F
5788274	73
5788275	71
5788276	72
5788277	73
5788278	77
Blank	80
LCS	110
LCSD	106
MS	108
Limits:	63-135

*- Outside of specification

**-This limit was used in the evaluation of the final result for the blank

- (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.

acct #10991

Cap # 1163045

CHAIN OF CUSTODY FORM Sample # 5788271-78

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 90329
 Chevron Site Global ID: T0600101885
 Chevron Site Address: 340 Highland Ave.,
Piedmont, CA
 Chevron PM: AARON COSTA
 Chevron PM Phone No.: (925)543-2961
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA
 Address: 5900 Hollis St. Suite A Emeryville,
CA Consultant Contact: Charlotte Evans
 Consultant Phone No. 510-420-3351
 Consultant Project No. 090925-501
 Sampling Company: Blaine Tech Services
 Sampled By (Print): J. Garcia
 Sampler Signature: [Signature]

ANALYSES REQUIRED	
#	Preservation Codes
<input checked="" type="checkbox"/> HVOX	H = HCL T = Thiosulfate
<input type="checkbox"/> HC SCREEN	N = HNO ₃ B = NaOH
<input type="checkbox"/> ORO	S = H ₂ SO ₄ O = Other
<input type="checkbox"/> STLC	
<input type="checkbox"/> EPA 310.1 ALKALINITY	
<input type="checkbox"/> EPA 413.1 OIL & GREASE	
<input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na	
<input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS	
<input type="checkbox"/> EPA 150.1 PH	
<input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY	
<input type="checkbox"/> EPA 418.1 TRPH	
<input type="checkbox"/> EPA 8260 ETHANOL	
<input type="checkbox"/> EPA 8015 TPH-D	
<input type="checkbox"/> BTEX + MTBE (8260)	

Charge Code: **NWRTB-0090329-0-OML**
 NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories
 Lancaster, PA
 Lab Contact: Jill Parker
 2425 New Holland Pike,
 Lancaster, PA 17601
 Phone No:
 (717)656-2300

Other Lab
 Temp. Blank Check Time Temp.
1000 2°C
1100 1°C
1200 2°C

SAMPLE ID				Sample Time	# of Containers	Container Type
Field Point Name	Matrix	Top Depth	Date (yymmdd)			
C-2	W	300	090925	1300	6	VOAS
C-3		400		1220		
C-4		500		1240		
C-5		600		1040		
C-6		1000		1000		
A		1120		1120		
B	↓	1145	↓	1145	1	↓
QA	T	1200	↓	1310	2	↓

EPA 8260B/GC/MS TPH-G	BTEX	MTBE	DRO	ORO	HC SCREEN	EPA 8021B BTEX	MTBE	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS	TLC	STLC	EPA 310.1 ALKALINITY	EPA 413.1 OIL & GREASE	EPA 8260 ETHANOL	EPA 8015 TPH-D	Notes/Comments
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Relinquished By: [Signature] Company: <u>BTS</u> Date/Time: <u>9-25-09 1515</u>	Relinquished To: [Signature] Company: <u>BTS</u> Date/Time: <u>9-25-09 1515</u>
Relinquished By: [Signature] (Sample Custodian) Company: <u>BTS</u> Date/Time: <u>9/25/09 1530</u>	Relinquished To: [Signature] Company: <u>LLI</u> Date/Time: <u>9/25/09 1530</u>
Relinquished By: [Signature] Company: [Blank] Date/Time: [Blank]	Relinquished To: [Signature] Dave Hantore Company: [Blank] Date/Time: <u>9/26/09 10:30</u>

Turnaround Time:
 Standard 24 Hours 48 hours 72
 Hours Other
 Sample Integrity: (Check by lab on arrival)
 Intact: On Ice: Temp: 14°C
 COC #

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

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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

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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