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Alameda County
Environmental Health

Aaron Costa
Project Manager
Marketing Business Unit

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

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

I have reviewed the attached report dated April 30, 2010.

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 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>

April 30, 2010

Reference No. 311776

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

Re: First Semi-Annual 2010 Groundwater Monitoring and Sampling Report
Former Chevron Service Station 9-0329
340 Highland Avenue
Piedmont, California
Fuel Leak Case No. RO0000269

Dear Mr. Mark Detterman

Conestoga-Rovers & Associates (CRA) is submitting this *First Semi-Annual 2010 Groundwater Monitoring and Sampling Report* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. Groundwater monitoring data is being submitted in accordance with the reporting requirements of 23CCR2652d. Presented below are the site background, current monitoring and sampling results, CRA's conclusions, and anticipated future activities.

SITE BACKGROUND

Site Description

The site is a former Chevron service station located at the northeast corner of the intersection of Highland and Magnolia Avenues in Piedmont, California (Figure 1). Chevron sold the property and station facilities to Hoffman Investment Company in 1990. The site is currently operated as Piedmont Valero (Figure 1).

Surrounding land use is commercial, residential and recreational. Piedmont Park is across Highland Avenue immediately down-gradient of the site.

Site Geology

The site is on a south facing hillside and is approximately 345 feet above mean sea level with a relatively steep topographic gradient. The site is underlain at shallow depths by siltstone and sandstone bedrock with the bedrock/sediment interface generally paralleling surface

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topography. Native sediments encountered during drilling were silts and sands that appear to be derived from bedrock weathering.

Hydrogeology

Groundwater has been as deep as 9.31 feet below grade (fbg) and has occasionally been above well top of casing. Groundwater is generally less than about 5 fbg and flows southward. The nearest surface water is a small creek located within Piedmont Park.

RESULTS OF 2009 MONITORING EVENTS

Groundwater Monitoring

On February 25, 2010 Blaine Tech Services, Inc. (Blaine Tech) gauged and sampled monitoring wells C-2 through C-6 and tank backfill wells A and B. Depth to groundwater ranged from 0.30 fbg (C-3) to 3.0 fbg (B). Groundwater flowed southward at a gradient of about 0.05. Blaine Tech's *First Quarter 2010 Monitoring Report* is included as Attachment A. The most recent groundwater elevation data and concentrations for total petroleum hydrocarbons as gasoline (TPHg), benzene and methyl tertiary butyl ether (MTBE) are included on Figure 2. Lancaster Laboratories' March 10, 2010 analytical report is included as Attachment B.

Current hydrocarbon concentrations are presented and compared to environmental screening levels (ESLs) where groundwater is a potential source of drinking water¹ in Table A. TPHg, benzene, toluene, ethylbenzene, xylenes (BTEX), and MTBE concentrations are near the low end of historical ranges. Blaine Tech's field notes indicate a sheen was observed on well C-2, but aqueous-phase concentrations are not indicative of light-non-aqueous-phase liquid (LNAPL) hydrocarbons.

¹ *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Prepared by California Regional Water Quality Control Board San Francisco Bay Region, Interim Final - November 2007, (Revised May 2008), Table F-1a-Groundwater Screening Levels-Current or Potential Drinking Water Resource.



TABLE A. HYDROCARBONS IN GROUNDWATER							
	Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
Groundwater ESLs (Table F-1a)		100	1	40	30	20	5
		<i>concentrations in micrograms per liter (µg/L)</i>					
C-2	2/25/10	5,600	79	3	15	17	150
C-3	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-4	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-5	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-6	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
A	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	8
B	2/25/10	<50	<0.5	<0.5	<0.5	<0.5	3

Dissolved Hydrocarbon and Oxygenate Delineation

Hydrocarbons and/or oxygenates are detected above ESLs in monitoring well C-2 and tank backfill well A. The extent of hydrocarbons and oxygenates in groundwater is fully defined by the existing well network.

Hydrocarbon and Oxygenate Concentration Trends

Hydrocarbon and oxygenate concentrations in C-2 and A continue to decrease:

- TPHg concentrations are an order of magnitude below historic highs in C-2
- Benzene and MTBE concentrations are two orders of magnitude below historic highs in C-2
- MTBE concentrations are one order of magnitude below historic highs in A

CONCLUSIONS

The first semi-annual 2010 sampling results indicate:

- Dissolved hydrocarbon concentrations continue to decrease since monitoring began in 1989
- The dissolved hydrocarbon plume is fully defined and no hydrocarbons or oxygenates are detected in offsite wells



**CONESTOGA-ROVERS
& ASSOCIATES**

April 30, 2010

Reference No. 311776

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ANTICIPATED FUTURE ACTIVITIES

Semi-Annual Groundwater Sampling

Blaine will gauge and sample site wells during third quarter 2010. CRA will prepare the second semi-annual 2010 sampling report within 60 days of the sampling date.

Low-Risk Case Closure Review

Based on 21 years of groundwater data and declining concentration trends, CRA will review this site for potential low-risk case closure.



**CONESTOGA-ROVERS
& ASSOCIATES**

April 30, 2010

Reference No. 311776

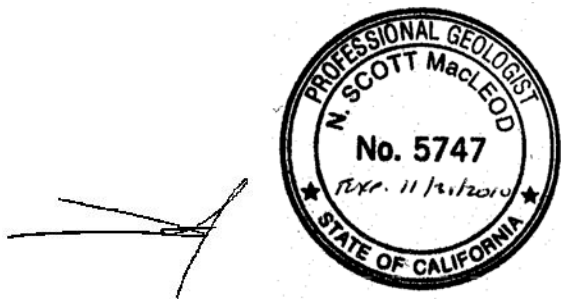
- 5 -

We appreciate the opportunity to work with you on this project. Please contact Nate Lee at (510) 420-3333 if you have any questions or comments regarding this report.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

N. Scott MacLeod, P.G. #5747



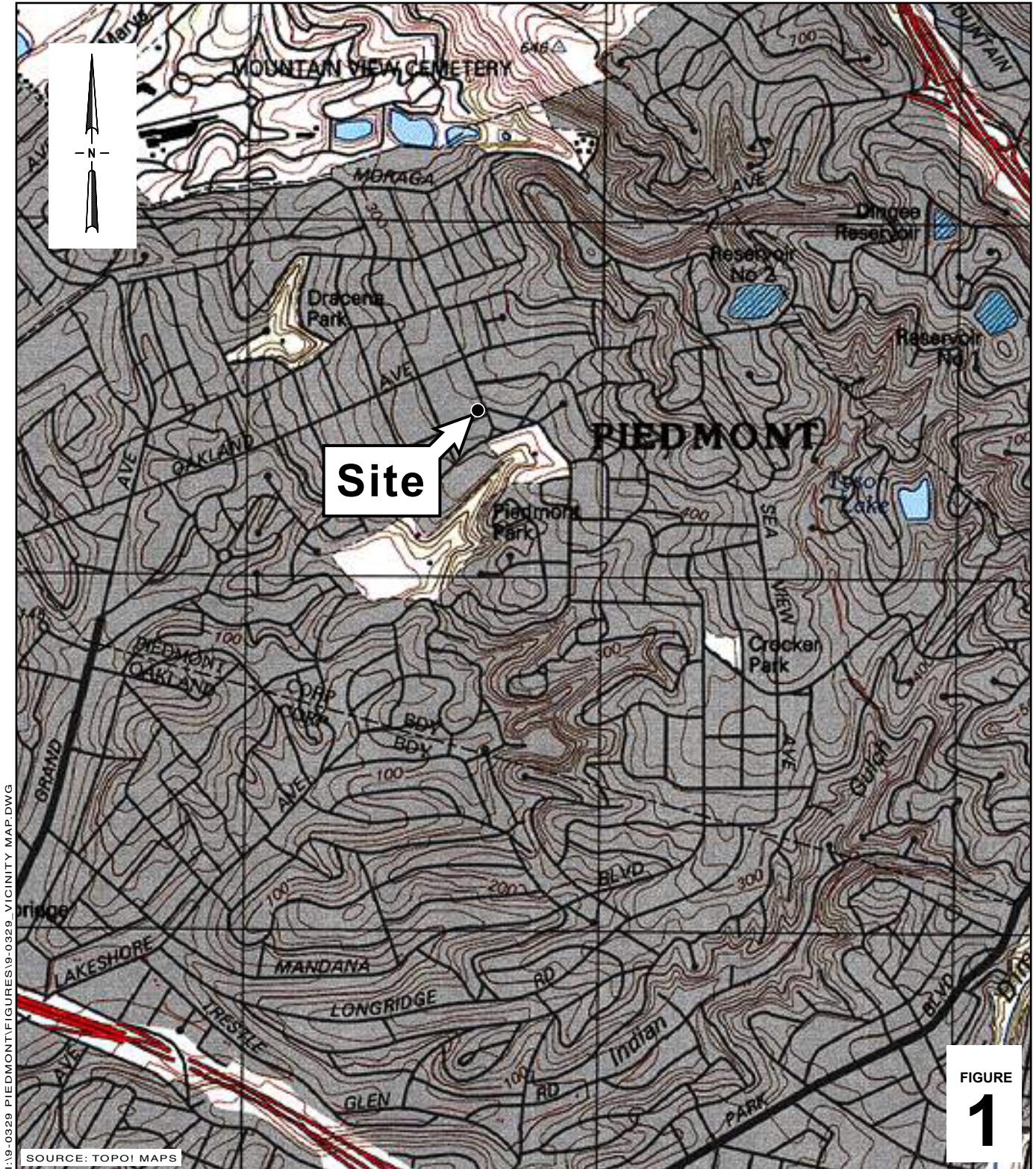
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Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map
Table 1	Groundwater Monitoring Data and Analytical Results
Table 2	Groundwater Analytical Results - Oxygenate Compounds
Attachment A	Blaine Tech's March 2, 2010 <i>First Quarter 2010 Monitoring</i> report
Attachment B	Lancaster Laboratories' March 10, 2010 analytical report

cc: Mr. Aaron Costa, Chevron
Mr. Chuck Headlee, California Regional Water Quality Control Board -
San Francisco Bay Region
Mr. Chester Nakahara, City of Piedmont
Bains Tarvinder Trust

FIGURES



Former Chevron Station 9-0329

340 Highland Avenue
Piedmont, California

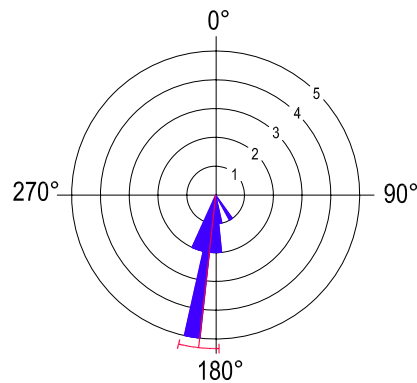


C A M B R I A

Vicinity Map

EXPLANATION	
	Tank backfill well
	Gettler-Ryan monitoring wells (1983) PEG monitoring wells (1996)
MW-6	Resna (1994) Abandoned well
WELL ID	Well Designation
ELEV	Groundwater elevation
TPHG	Hydrocarbon concentrations in groundwater, in micrograms per liter (µg/L)
BENZ	
MTBE	
NM	Not Measured
NS	Not Sampled
340.0	Groundwater elevation contour line dashed where inferred

Basemap modified from Pacific Environmental Group, Inc.



Historic Groundwater Flow Direction
2000 through 2010



1Q10 Approximate groundwater flow direction
at a gradient of 0.05

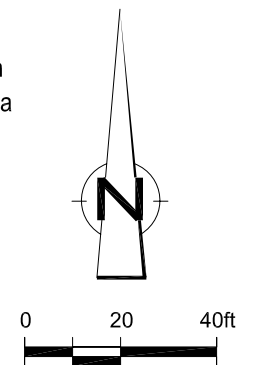
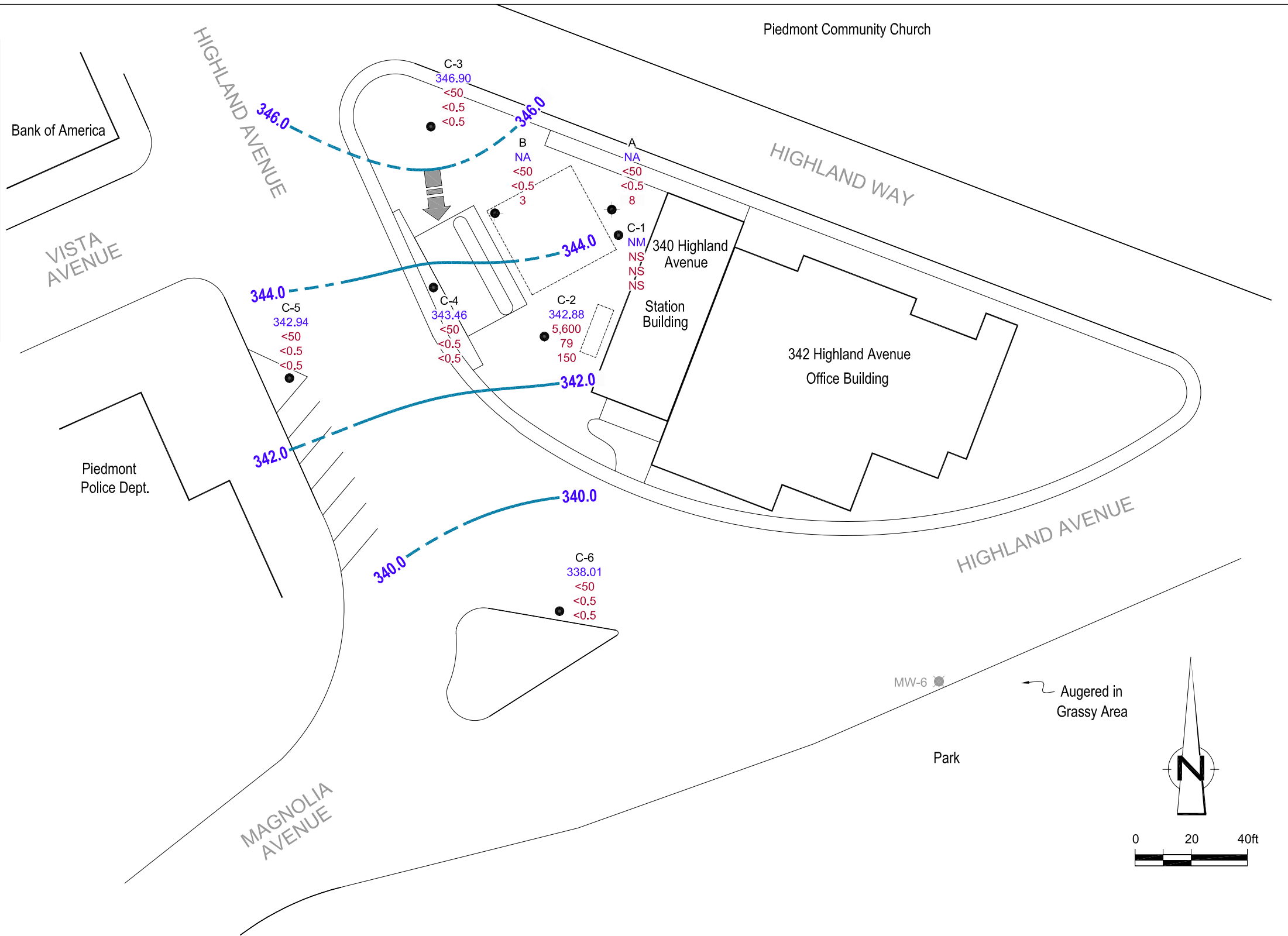


Figure 2
GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER CHEVRON STATION 9-0329
340 HIGHLAND AVENUE
Oakland, California
February 25, 2010



TABLES

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-2 (cont)										
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
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-2 (cont)										
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 ⁸	343.39	1.41	341.98	--	9,100	320	8	68	41	65
02/25/10⁸	343.39	0.51	342.88	--	5,600	79	3	15	17	150
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	--

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340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-3 (cont)										
04/10/92	97.65	4.50	93.15	--	<50	<0.5	<0.5	<0.5	<0.5	--
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-3 (cont)										
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
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-3 (cont)										
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
09/25/09 ⁸	347.20	1.85	345.35	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/10⁸	347.20	0.30	346.90	--	<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	--

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-4 (cont)										
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	--
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-4 (cont)										
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
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-4 (cont)										
09/25/09 ⁸	344.94	6.40	338.54	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/10 ⁸	344.94	1.48	343.46	--	<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

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FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-5 (cont)										
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		--	--	--	--	--
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
09/25/09 ⁸	345.14	3.49	341.65	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/10⁸	345.14	2.20	342.94	--	<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

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FORMER CHEVRON SERVICE STATION 9-0329
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<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
C-6 (cont)										
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
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/ ⁷ <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/ ⁷ <0.5 ⁷
05/19/03 ⁸	338.61	-- ⁶	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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FORMER CHEVRON SERVICE STATION 9-0329
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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-6 (cont)										
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 ⁸	338.61	3.95	334.66	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/10⁸	338.61	0.60	338.01	--	<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 ⁸	--	1.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	16
02/25/10⁸	--	0.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	8
Backfill Well: B										
08/07/89	--	4.12	--	--	--	--	--	--	--	--
11/15/89	--	--	--	--	--	--	--	--	--	--
02/01/91	--	5.03	--	--	--	--	--	--	--	--
04/16/91	--	4.00	--	--	--	--	--	--	--	--

TABLE 1

**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
Backfill Well: B (cont)										
10/16/91	--	6.24	--	--	--	--	--	--	--	--
03/22/07 ⁸	--	3.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	16
09/25/09 ⁸	--	3.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	5
02/25/10 ⁸	--	3.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	3
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

TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
Trip Blank (cont)										
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
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

TABLE 1

**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
QA (cont)										
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 ⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/10⁸	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

**GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>TOC* (ft.)</i>	<i>DTW (ft.)</i>	<i>GWE (msl)</i>	<i>TPH-D (ppb)</i>	<i>TPH-G (ppb)</i>	<i>B (ppb)</i>	<i>T (ppb)</i>	<i>E (ppb)</i>	<i>X (ppb)</i>	<i>MTBE (ppb)</i>
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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 Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(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	--	--
	02/25/10	--	--	150	--	--	--	--	--
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	--	--
	02/25/10	--	--	<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			--	--	--	--	--

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-4 (cont)	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	--	--
	02/25/10	--	--	<0.5	--	--	--	--	--
C-5	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	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	--	--
	02/25/10	--	--	<0.5	--	--	--	--	--
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	--	--	--	--	--
	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	--	--
	02/25/10	--	--	<0.5	--	--	--	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
FORMER CHEVRON SERVICE STATION 9-0329
340 HIGHLAND AVENUE, PIEDMONT, CALIFORNIA**

<i>WELL ID</i>	<i>DATE</i>	<i>ETHANOL</i> <i>(ppb)</i>	<i>TBA</i> <i>(ppb)</i>	<i>MTBE</i> <i>(ppb)</i>	<i>DIPE</i> <i>(ppb)</i>	<i>ETBE</i> <i>(ppb)</i>	<i>TAME</i> <i>(ppb)</i>	<i>1,2-DCA</i> <i>(ppb)</i>	<i>EDB</i> <i>(ppb)</i>
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	--	--
	02/25/10	--	--	8	--	--	--	--	--
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	--	--
	02/25/10	--	--	3	--	--	--	--	--

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 MARCH 2, 2010 *FIRST QUARTER 2010 MONITORING REPORT*



March 2, 2010

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

First Quarter 2010 Monitoring at
Chevron Service Station 90329
340 Highland Ave.
Piedmont, CA

Monitoring performed on February 25, 2010

Blaine Tech Services, Inc. Groundwater Monitoring Event 100225-FS1

This submission covers the routine monitoring of groundwater wells conducted on February 25, 2010 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.

First 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,



Dustin Becker
Blaine Tech Services, Inc.
Senior 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

First 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 # 100225-FS2 Date 2-25-10 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	1015	2	SH66M SDOR				0.51	11.73	TOC	
C-3	1000	2					0.30	13.64	↓	
C-4	1010	2				1.48	9.67			
C-5	1100	2				2.20	16.78			
C-6	1135	2				0.60	17.20			
A	1027	6				0.64	8.13			
B	1020	6				3.00	9.11			

CHEVRON WELL MONITORING DATA SHEET

Project #: 100225 - FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: SUNNY	Ambient Air Temperature: 68°F
Well I.D.: C-2	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 11.73	Depth to Water: 0.51
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]: 2.75	

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

$\frac{1.8 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 5.4 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1338	65.4	7.3	692	71000	1.8	
1342	63.2	6.8	686	71000	3.6	
1345	63.3	6.8	721	71000	5.4	

Did well dewater? Yes No Gallons actually evacuated: 5.4

Sampling Date: 2-25-10 Sampling Time: 1350 Depth to Water: 4.21 (SITE DEPART)

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

Analyzed for: (TPH-G) (BTEX) (MTBE) OXYS Other: _____

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 #: 100225-FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: Sunny	Ambient Air Temperature: 67°
Well I.D.: C-3	Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 _____
Total Well Depth: 13.64	Depth to Water: 0.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 2.96	

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: _____

2.2	(Gals.) X	3	=	6.6	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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1219	59.7	7.5	290	71000	2.2	
1223	60.5	7.3	263	71000	4.4	
1226	61.4	7.2	267	71000	6.6	

Did well dewater? Yes No Gallons actually evacuated: 6.6

Sampling Date: 2-25-10 Sampling Time: 1300 Depth to Water: 6.82 (SITE DEPART)

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

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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:

CHEVRON WELL MONITORING DATA SHEET

Project #: 100225 - FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: CLOUDY	Ambient Air Temperature: 64°F
Well I.D.: C-4	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 9.97	Depth to Water: 1.48
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]: 3.17	

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: _____

1.4	(Gals.) X	3	=	4.2	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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1232	59.9	7.0	526	71000	1.4	
1235	59.7	6.7	335	71000	2.8	
1238	59.8	6.6	337	71000	4.2	

Did well dewater? Yes No Gallons actually evacuated: 4.2

Sampling Date: 2-25-10 Sampling Time: 1245 Depth to Water: 1.52

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

Analyzed for: (TPH-G) (BTEX) (MTBE) OXYS Other: _____

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 #: 100225-FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: SUNNY	Ambient Air Temperature: 63°F
Well I.D.: C-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.78	Depth to Water: 2.20
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]: 5.11	

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: _____

2.4 (Gals.) X	3	= 7.2 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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1108	59.4	8.2	785	>1000	2.4	
1110	59.8	7.4	755	>1000	4.8	
1112	60.2	7.2	744	>1000	7.2	

Did well dewater? Yes No Gallons actually evacuated: 7.2

Sampling Date: 2-25-10 Sampling Time: 1115 Depth to Water: 8.21 (TRAFFIC)

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

Analyzed for: (TPH-G) (BTEX) (MTBE) OXYS Other:

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 #: 100225 - FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: Sunny	Ambient Air Temperature: 65°F
Well I.D.: C-6	Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="checkbox"/> _____
Total Well Depth: 17.20	Depth to Water: 0.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC <input type="radio"/> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.92	

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: _____

2.7 (Gals.) X 3 = 8.1 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1146	61.2	7.3	641	523	2.7	
1150	62.3	7.1	638	71000	5.4	
1153	63.0	7.0	637	71000	8.1	

Did well dewater? Yes No Gallons actually evacuated: 8.1

Sampling Date: 2-25-10 Sampling Time: 1200 Depth to Water: 8.58 (TRAFFIC)

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

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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 #: 100225 - FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: SUNNY	Ambient Air Temperature: 67°F
Well I.D.: A	Well Diameter: 2 3 4 (6) 8
Total Well Depth: 8.13	Depth to Water: 0.64
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]: 1.48	

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: _____

11.1	(Gals.) X	3	=	33.3	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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1317	60.8	7.1	744	33	11.1	
1319	60.1	7.0	752	12	22.2	
1321	59.6	7.0	752	5	33.3	

Did well dewater? Yes No Gallons actually evacuated: 33.3

Sampling Date: 2-25-10 Sampling Time: 1325 Depth to Water: 0.71

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

Analyzed for: (TPH-G) (BTEX) (MTBE) OXYS Other:

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 #: 100225 - FS2	Station #: 9-0329
Sampler: FS	Date: 2-25-10
Weather: SUNNY	Ambient Air Temperature: 67°F
Well I.D.: B	Well Diameter: 2 3 4 ⑥ 8
Total Well Depth: 9.11	Depth to Water: 3.00
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]: 4.22	

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: _____

9.0	(Gals.) X	3	=	27.0	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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1250	61.5	6.6	740	161	9	
1251	61.5	6.7	748	26	18	
1253	60.8	6.8	749	10	27	

Did well dewater? Yes No Gallons actually evacuated: 27

Sampling Date: 2-25-10 Sampling Time: 1255 Depth to Water: 3.01

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

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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:

022510-06

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC (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
CA Consultant Contact: Charlotte Evans
Consultant Phone No. 510-420-3351
Consultant Project No. 100225-F32
Sampling Company: Blaine Tech Services
Sampled By (Print): F. SRIWONGTONG
Sampler Signature: [Signature]

Table with columns for analyses required: H, H, HVOC, OXYGENATES, HC SCREEN, DRO, ORO, HC SCREEN, MTBE, GRO, MTBE, Ca, Fe, K, Mg, Mn, Na, TITLE 22 METALS, STLC, ALKALINITY, SPECIFIC CONDUCTIVITY, TRPH, ETHANOL, TPH-D.

Preservation Codes
H = HCL T= Thiosulfate
N = HNO3 B = NaOH
S = H2SO4 O = Other

Charge Code: NWRB-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
Other Lab
Temp. Blank Check Time Temp.
1000 0.1
1200 0.1
1400 0.2
Lancaster, PA
Lab Contact: Jill Parker
2425 New Holland Pike, Lancaster, PA 17601
Phone No: (717)656-2300

Special Instructions
Must meet lowest detection limits possible for 8260 Compounds

Table with columns: SAMPLE ID, Field Point Name, Matrix, Top Depth, Date (yyymmdd), Sample Time, # of Containers, Container Type, and various analysis checkboxes.

Relinquished By [Signature] Company DTS Date/Time 2-25-10 1425
Relinquished By [Signature] Company Date/Time
Relinquished By Company Date/Time

Relinquished To [Signature] Company LLI Date/Time 2/25/10 1425
Relinquished To Company Date/Time
Relinquished To Company Date/Time

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

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

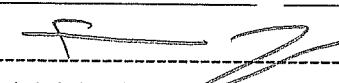
SOURCE RECORD **BILL OF LADING**


FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY IWM TO THEIR FACILITY IN SAN JOSE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Ave. San Jose CA (408)573-0555). Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY (CHEVRON) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BTS; from one Chevron facility to BTS via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of CHEVRON.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-0329	AARON COSTA
CHEVRON #	Chevron Engineer
340 HIGHLAND AVE	PIEDMONT CA
street number	street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
A	33.3		
B	27		
C-2	5.4		
C-3	6.6		
C-4	4.2		
C-5	7.2		
C-6	8.1		
added equip. rinse water	15	any other adjustments	
TOTAL GALS. RECOVERED	102.8	loaded onto BTS vehicle #	87
BTS event #	100225-FS2	time	1430
		date	2/25/10
signature			

REC'D AT	BTS	time	1745
		date	2/25/10
unloaded by			
signature			

ATTACHMENT B

LANCASTER LABORATORIES' MARCH 10, 2010 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

March 10, 2010

Project: 90329

Samples arrived at the laboratory on Friday, February 26, 2010. The PO# for this group is 0015052483 and the release number is COSTA. The group number for this submittal is 1183950.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
QA-T-100225 NA Water	5915497
C-2-W-100225 NA Water	5915498
C-3-W-100225 NA Water	5915499
C-4-W-100225 NA Water	5915500
C-5-W-100225 NA Water	5915501
C-6-W-100225 NA Water	5915502
A-W-100225 NA Water	5915503
B-W-100225 NA Water	5915504

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,



Christine Dulaney
Senior Specialist



Analysis Report

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

Sample Description: QA-T-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 QA

LLI Sample # WW 5915497
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 10:00

Account Number: 10991

Submitted: 02/26/2010 11:30

Chevron

Reported: 03/10/2010 at 08:30

6001 Bollinger Canyon Rd L4310

Discard: 04/10/2010

San Ramon CA 94583

0329Q

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	F100623AA	03/03/2010 22:59	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100623AA	03/03/2010 22:59	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10061A07A	03/03/2010 11:43	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10061A07A	03/03/2010 11:43	Marie D John	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: C-2-W-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 C-2

LLI Sample # WW 5915498
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 13:50 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

03292

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	79	0.5	1	1
06054	Ethylbenzene	100-41-4	15	0.5	1	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	150	0.5	1	1
06054	Toluene	108-88-3	3	0.5	1	1
06054	Xylene (Total)	1330-20-7	17	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.	5,600	250	500	5

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	F100623AA	03/03/2010 23:21	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100623AA	03/03/2010 23:21	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	2	10061A07A	03/03/2010 20:11	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	10061A07A	03/03/2010 20:11	Marie D John	5

*=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: C-3-W-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 C-3

LLI Sample # WW 5915499
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 13:00 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

03293

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	F100623AA	03/04/2010 00:05	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100623AA	03/04/2010 00:05	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10061A07A	03/03/2010 17:31	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10061A07A	03/03/2010 17:31	Marie D John	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: C-4-W-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 C-4

LLI Sample # WW 5915500
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 12:45 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

03294

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	F100624AA	03/03/2010 18:07	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100624AA	03/03/2010 18:07	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10061A07A	03/03/2010 17:58	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10061A07A	03/03/2010 17:58	Marie D John	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: C-5-W-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 C-5

LLI Sample # WW 5915501
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 11:15 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

03295

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	F100624AA	03/03/2010 18:29	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100624AA	03/03/2010 18:29	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 08:30	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 08:30	Elizabeth J Marin	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: C-6-W-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 C-6

LLI Sample # WW 5915502
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 12:00 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

03296

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	F100624AA	03/03/2010 19:34	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100624AA	03/03/2010 19:34	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 08:55	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 08:55	Elizabeth J Marin	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-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 A

LLI Sample # WW 5915503
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 13:25 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

0329A

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	8	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	F100624AA	03/03/2010 19:56	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100624AA	03/03/2010 19:56	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 09:20	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 09:20	Elizabeth J Marin	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-100225 NA Water
Facility #90329 BTST
340 Highland-Piedmont T0600101885 B

LLI Sample # WW 5915504
LLI Group # 1183950
CA

Project Name: 90329

Collected: 02/25/2010 12:55 by FS

Account Number: 10991

Submitted: 02/26/2010 11:30
Reported: 03/10/2010 at 08:30
Discard: 04/10/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

0329B

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	3	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	F100624AA	03/03/2010 20:18	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F100624AA	03/03/2010 20:18	Sara E Johnson	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10060B53A	03/03/2010 09:44	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10060B53A	03/03/2010 09:44	Elizabeth J Marin	1

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

Quality Control Summary

 Client Name: Chevron
 Reported: 03/10/10 at 08:30 AM

Group Number: 1183950

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: F100623AA	Sample number(s): 5915497-5915499								
Benzene	N.D.	0.5	1	ug/l	91	92	79-120	1	30
Ethylbenzene	N.D.	0.5	1	ug/l	93	94	79-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	82	83	76-120	1	30
Toluene	N.D.	0.5	1	ug/l	96	95	79-120	1	30
Xylene (Total)	N.D.	0.5	1	ug/l	93	93	80-120	0	30
Batch number: F100624AA	Sample number(s): 5915500-5915504								
Benzene	N.D.	0.5	1	ug/l	89		79-120		
Ethylbenzene	N.D.	0.5	1	ug/l	93		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	82		76-120		
Toluene	N.D.	0.5	1	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	92		80-120		
Batch number: 10060B53A	Sample number(s): 5915501-5915504								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	127	118	75-135	7	30
Batch number: 10061A07A	Sample number(s): 5915497-5915500								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	100	100	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: F100623AA	Sample number(s): 5915497-5915499 UNSPK: P915007								
Benzene	98		80-126						
Ethylbenzene	99		71-134						
Methyl Tertiary Butyl Ether	85		72-126						
Toluene	100		80-125						
Xylene (Total)	98		79-125						
Batch number: F100624AA	Sample number(s): 5915500-5915504 UNSPK: 5915501								
Benzene	91	92	80-126	1	30				
Ethylbenzene	94	95	71-134	1	30				
Methyl Tertiary Butyl Ether	81	80	72-126	1	30				
Toluene	95	97	80-125	2	30				
Xylene (Total)	92	94	79-125	2	30				
Batch number: 10060B53A	Sample number(s): 5915501-5915504 UNSPK: P916237								
TPH-GRO N. CA water C6-C12	127		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: 03/10/10 at 08:30 AM

Group Number: 1183950

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</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: 10061A07A TPH-GRO N. CA water C6-C12								
		Sample number(s): 5915497-5915500 118	UNSPK: P914723 63-154					

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: F100623AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5915497	90	96	104	96
5915498	87	90	109	102
5915499	88	94	101	90
Blank	92	97	105	92
LCS	94	98	103	98
LCSD	93	98	102	96
MS	94	99	103	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: F100624AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5915500	93	100	106	94
5915501	89	96	102	91
5915502	90	96	104	92
5915503	91	98	105	93
5915504	91	99	104	93
Blank	90	98	103	93
LCS	95	102	104	99
MS	91	93	100	94
MSD	93	99	104	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 10060B53A

	Trifluorotoluene-F
5915501	80
5915502	79
5915503	81
5915504	83
Blank	79
LCS	89
LCSD	91

*- 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: 03/10/10 at 08:30 AM

Group Number: 1183950

Surrogate Quality Control

MS 85

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10061A07A
Trifluorotoluene-F

5915497	102
5915498	141*
5915499	101
5915500	100
Blank	104
LCS	113
LCSD	114
MS	114

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.

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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