Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
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acosta@chevron.com

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

Re: Chevron Service Station No. 9-4800
700 Castro Street
Oakland, CA Oakland, 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 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,

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. 060061

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

Re: Fourth Quarter 2009 Groundwater Monitoring and Sampling Report
Chevron Service Station 9-4800
1700 Castro Street
Oakland, California
Fuel Leak Case No. RO0000341

Dear Mr. Mark Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Fourth Quarter 2009 Groundwater Monitoring and Sampling Report* on behalf of Chevron Environmental Management Company (Chevron), for the site referenced above. On November 18, 2009, Blaine Tech Services of San Jose, California (Blaine Tech) monitored and sampled the site wells. Groundwater monitoring data is being submitted in accordance with the reporting requirements of 23CCR2652d. Presented below are the site background, site geology and hydrogeology, previous investigation summary, current monitoring and sampling results, CRA's conclusions, and anticipated future activities.

SITE BACKGROUND

Site Description

The site is an active Chevron-branded service station located on the northeast corner of the intersection on Castro Street and 17th Street in Oakland (Figure 1). Surrounding properties are a mixture of commercial and residential. The current facility consists of a convenience store, five dispenser islands, and two gasoline underground storage tanks (USTs) (Figure 2). Currently there are four monitoring wells onsite and one monitoring well offsite. In December 2004, monitoring wells MW-5 and MW-6 were properly destroyed. To date, 12 soil borings have been advanced onsite. In 2004, four USTs, two dispenser islands, and a station building were removed and replaced with the current site improvements.

Site Geology

Sediments in this region consist of alluvial fan deposits composed of clay, silt, poorly graded aeolian sand, and gravel. The total thickness of these deposits can be 500 feet. Generally unconfined conditions prevail in the water bearing formations of these deposits.[1] At the site, fill material has been encountered between 1 and 5 feet below grade (fbg). Beneath the fill, interbedded layers of silty sand, clayey sand, and sandy silt have been encountered to approximately 13 fbg. The unconfined shallow water-bearing zone consists of a fine sand observed between approximately 13 and 29 fbg and is underlain by a clay to the total depth explored of 31.5 fbg.

Hydrogeology

The site is located within the East Bay Plain, a northwest trending alluvial plain in a Franciscan Complex depression. Groundwater in this region has been identified as beneficial for agricultural, municipal, and industrial uses.[2] Groundwater occurs principally in alluvial deposits of Pleistocene to Holocene ages that overlie non-water bearing rocks of the Franciscan assemblage. Groundwater beneath the site has been monitored annualy since June 1997. Groundwater depth ranges from 23.10 fbg (MW-2) to 28.86 fbg (MW-7). Groundwater flows consistently toward the west.

RESULTS OF FOURTH QUARTER 2009 MONITORING EVENT

Groundwater Monitoring

Blaine Tech gauged and sampled wells MW-1 through MW-4 and MW-7 on November 18, 2009. Groundwater elevations ranged from 6.58 feet above mean sea level (ft-msl) in MW-7 to 8.45 ft-msl in MW-3. Groundwater flowed toward the west at a gradient of 0.006. Blaine Tech's November 19, 2009 *Groundwater Monitoring and Sampling Report* is included as Attachment A. Groundwater potentiometric and hydrocarbon concentration data for this event are presented on Figure 2.

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1 *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, California*; California Regional Water Quality Control Board – San Francisco Bay Region Groundwater Committee; June 1999.

2 Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins; *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin*; California Regional Water Quality Control Board- San Francisco Bay Region, January 18, 2007.

Current hydrocarbon concentrations are presented and compared to environmental screening levels (ESLs) where groundwater is a potential source of drinking water[3] in Table A. Total petroleum hydrocarbons as diesel (TPHd) and gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary butyl ether (MTBE) concentrations this quarter are within historical ranges and are consistent with seasonal fluctuations.

TABLE A: SUMMARY OF ENVIRONMENTAL SCREENING LEVELS							
	TPHd	*TPHg*	*Benzene*	*Toluene*	*Ethylbenzene*	*Xylenes*	*MTBE*
Groundwater ESLs	***100***	***100***	***1.0***	***40***	***30***	***20***	***5***
	concentrations in micrograms per liter (µg/L)						
MW-1	**150**	<50	<0.5	<0.5	0.6	<0.5	**310**
MW-2	**2,800**	**5,400**	**4**	1	**69**	**34**	**79**
MW-3	**240**	**280**	**25**	<0.5	<0.5	9	**170**
MW-4	**860**	**120**	<0.5	<0.5	<0.5	<0.5	**150**
MW-7	**250**	**100**	<1	<1	<1	<1	**2,800**

Dissolved Hydrocarbon Delineation

Dissolved TPHd, TPHg, and BTEX concentrations are delineated by low concentrations in all directions, except to the north of MW-2. The highest MTBE concentrations are located offsite and are not delineated.

Concentration Trends

TPHd, TPHg, benzene and MTBE concentrations are decreasing from the historical maximum concentration in all wells.

[3] *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.

CONCLUSIONS AND RECOMMENDATIONS

The fourth quarter 2009 sampling event results indicate:

- Dissolved hydrocarbon concentrations are decreasing
- The TPHd, TPHg, and BTEX plume has stabilized at its maximum spatial extent and is now shrinking as evidenced by decreasing hydrocarbon concentrations
- To determine that MTBE is biodegrading, CRA will analyze groundwater samples for several bioparameters, including compound specific isotope analysis (CSIA) during the second quarter of 2010.

ANTICIPATED FUTURE ACTIVITIES

Semi-Annual Groundwater Sampling
Blaine Tech will gauge and sample site wells during the second and fourth quarters. CRA will prepare a summary of site conditions and submit the sampling report with additional recommendations within 60 days of the sampling date. The CSIA data may not be available to submit in the Second Quarter 2010 report.

CONESTOGA-ROVERS & ASSOCIATES

April 30, 2010 Reference No. 060061

ANTICIPATED FUTURE ACTIVITIES

Semi-Annual Groundwater Sampling
Blaine Tech will gauge and sample site wells during the second and fourth quarters. CRA will prepare a summary of site conditions and submit the sampling report with additional recommendations within 60 days of the sampling date. The CSIA data may not be available to submit in the Second Quarter 2010 report.

We appreciate the opportunity to work with you on this project. Please contact Mr. Brandon Wilken at (510) 420-3355, if you have any questions or comments regarding this report.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

PROFESSIONAL GEOLOGIST BRANDON S. WILKEN No. 7564 STATE OF CALIFORNIA

Ian Hull Brandon S. Wilken, P.G. #7564

IH/doh/4
Encl.

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 November 19, 2009 *Fourth Quarter Monitoring* Report
Attachment B	Lancaster Laboratories' December 2, 2009 *Analytical Results* Report

c.c.: Mr. Aaron Costa, Chevron

FIGURES

11/11/08

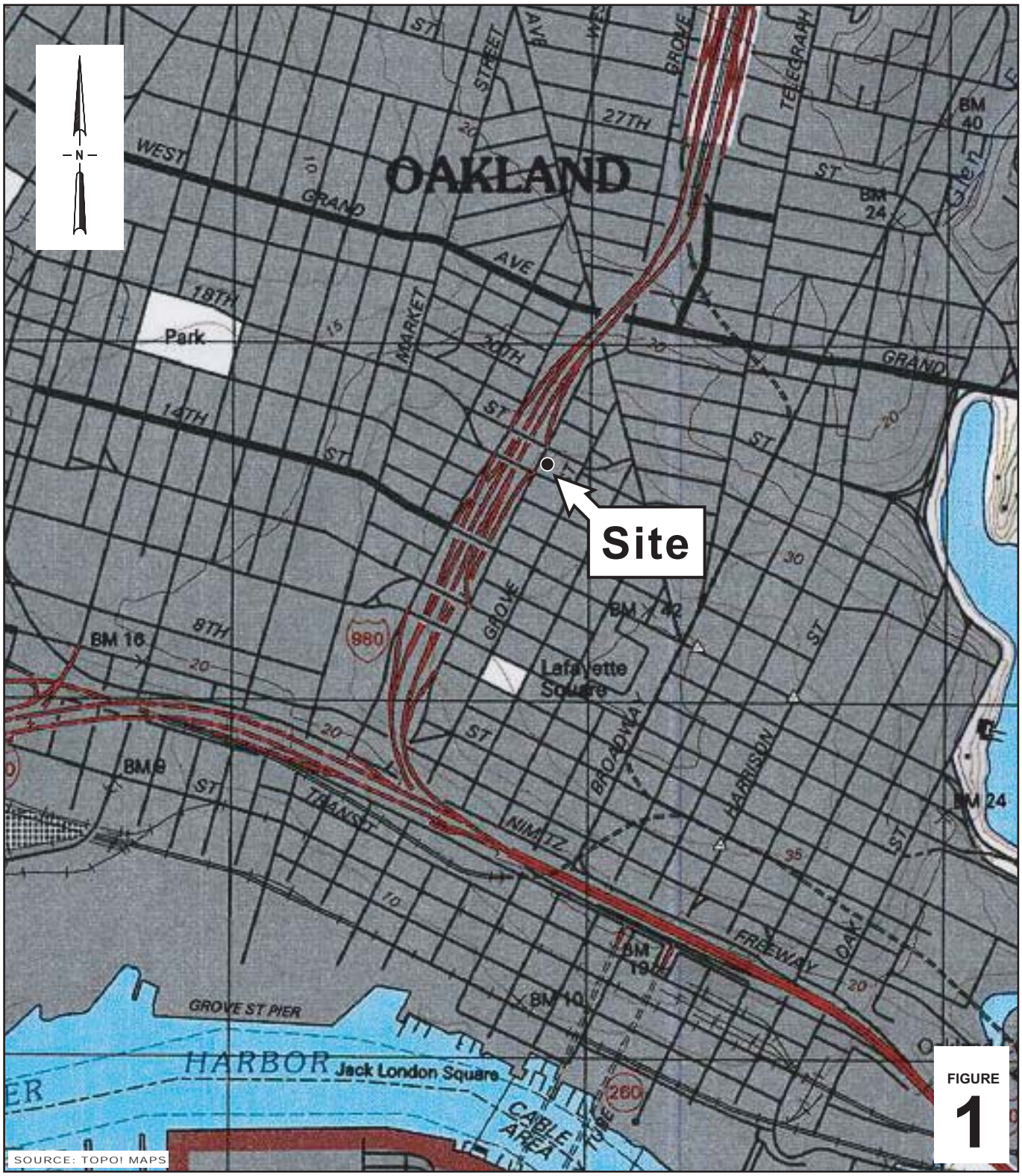

FIGURE 1

I:\9-4800 OAK\FIGURES\VICINITY-MAP.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Chevron Service Station 9-4800

1700 Castro Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

LEGEND

- MONITORING WELL LOCATION
- MW-5 DESTROYED WELL LOCATION
- (8.08) GROUNDWATER ELEVATION (ft-MSL)
- (130) TPHd CONCENTRATION (ug/L)
- (<0.5) TPHg CONCENTRATION (ug/L)
- (190) BENZENE CONCENTRATION (ug/L)
- (150) MTBE CONCENTRATION (ug/L)
- 37.00 GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED

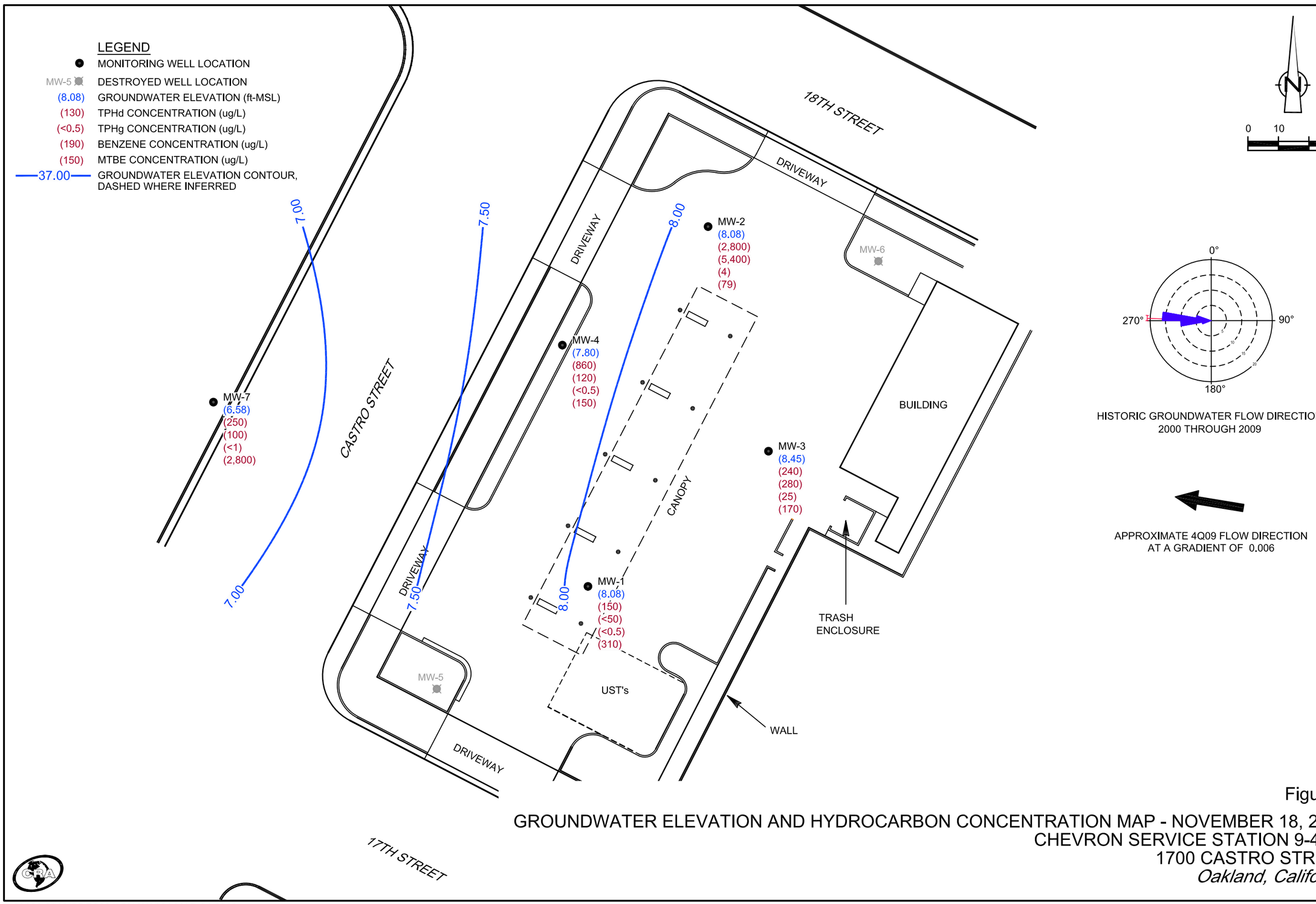

Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP - NOVEMBER 18, 2009
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET
Oakland, California

CRA

60061-2010(PRES001)GN-WA001 MAR 04/2010

TABLES

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-1										
06/04/97	30.75	4.39	25.82	71[1]	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	75[1]	1,600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	65[1]	940	120	100	41	160	<25
03/18/98	30.75	5.90	24.85	77[1]	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	140[1]	1,100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280[1]	1,700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240[1]	1,700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	98[1]	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	217[1]	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	153[1]	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	188[1,2]	2,760	287	199	139	502	<12.5
03/09/00[3]	30.75	5.54	25.21	166[1]	1,590	238	94.9	72.2	247	22.3
06/10/00	30.75	5.73	25.02	--	1,460	242	47.8	83.8	151	97.3
09/30/00	30.75	5.30	25.45	240[7]	650[6]	130	49	69	190	21
12/22/00	30.75	5.05	25.70	200[9]	640[6]	110	33	58	160	68
03/01/01	30.75	5.25	25.50	211[7]	1,500[6]	210	67.9	109	320	87.3
05/04/01	30.75	5.41	25.34	130[7]	991	127	32.6	73.0	137	95.4
09/05/01	30.75	5.16	25.59	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	30.75	5.17	25.58	210	2,000	220	16	110	400	34
03/15/02	30.75	5.60	25.15	--	--	--	--	--	--	--
06/15/02	30.75	5.49	25.26	140	350	54	0.61	12	40	130
09/06/02	30.75	5.26	25.49	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/06/02	30.75	5.12	25.63	2,900	900	71	2.1	39	150	34

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-1 (cont)										
03/03/03	30.75	5.46	25.29	SAMPLED SEMI-ANNUALLY			--	--	--	--
06/17/03[14]	30.75	5.64	25.11	180	290	34	0.6	23	90	92
09/16/03	30.75	5.37	25.38	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/31/03[14]	30.75	5.20	25.55	150	1,500	97	6	70	230	86
03/26/04	30.75	5.74	25.01	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04[14]	30.75	4.59	26.16	860	500	44	5	12	54	76
11/16/04[14]	34.01	7.85	26.16	<26	570	33	<0.5	14	53	48
02/18/05	34.01	8.25	25.76	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/06/05[14]	34.01	8.62	25.39	110	170	13	<0.5	4	18	220
08/05/05	34.01	8.31	25.70	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/07/05[14]	34.01	7.99	26.02	260[20]	180	7	<0.5	3	24	260
02/06/06	34.01	8.33	25.68	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/08/06[14]	34.01	9.03	24.98	730	270	23	<0.7	1	18	590
08/08/06	34.01	8.49	25.52	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/06[14]	34.01	8.11	25.90	380	<50	0.6	<0.5	<0.5	2	140
02/06/07	34.01	8.03	25.98	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/07[14]	34.01	8.23	25.78	750	58	0.8	<0.5	<0.5	1	280
07/31/07	34.01	8.01	26.00	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/07[14]	34.01	7.85	26.16	330	<50	<0.5	<0.5	<0.5	0.9	270
02/04/08	34.01	8.04	25.97	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/08[14]	34.01	8.06	25.95	86	<50	<0.5	<0.5	<0.5	<0.5	470
08/01/08	34.01	7.97	26.04	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/13/08[14]	34.01	7.88	26.13	<50	170	1	<0.5	<0.5	2	190

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-1 (cont)										
02/23/09	34.01	8.07	25.94	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/20/09[14]	34.01	8.38	25.63	88 J	<50	0.6 J	<0.5	<0.5	2	190
08/25/09	34.01	8.21	25.80	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/18/09[14]	**34.01**	**8.08**	**25.93**	**150**	**<50**	**<0.5**	**<0.5**	**0.6 J**	**<0.5**	**310**
MW-2										
06/04/97	30.00	5.13	24.87	4,000[1]	13,000	790	30	420	1,700	4000
09/16/97	30.00	5.06	24.94	2,200[1]	4,000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100[1]	4,100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,700[1]	8,400	1,800	<50	350	630	13,000
06/28/98[4]	30.00	6.21	23.79	4,400[1]	9,300	740	340	710	2,300	3800
09/07/98	30.00	5.78	24.22	3,100[1]	9,900	1,000	150	640	1,800	4500/4100[5]
12/09/98	30.00	5.31	24.69	1,900[1]	8,500	860	74	610	960	2600/2600[5]
03/11/99	30.00	5.79	24.21	2,700[1]	12,500	1,520	42.2	645	2,250	3400/5050[5]
06/17/99	30.00	5.69	24.31	7,150[1]	27,000	2,200	260	1500	5,900	4700
09/29/99	30.00	5.45	24.55	3,030[1]	6910	582	11.1	491	1,170	1970
12/14/99	30.00	5.39	24.61	615[1,2]	4230	282	12.3	284	690	631
03/09/00[3]	30.00	6.08	23.92	3,300[1]	15,300	1,110	39.4	1,040	3,030	2,470
06/10/00	30.00	6.13	23.87	--	7,360	560	40.7	627	1,280	1,260
09/30/00	30.00	5.67	24.33	1,800[7]	3,600[6]	280	<10	420	430	290
12/22/00	30.00	5.39	24.61	870[9]	1,500[6]	100	<1.3	160	59	380
03/01/01	30.00	5.79	24.21	1,320[7]	2,340[6]	171	<5.00	238	157	864
05/04/01	30.00	5.83	24.17	3,100[7]	11,900	199	33.9	1,420	290	3,890

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-2 (cont)										
09/05/01	30.00	5.45	24.55	2,200	3,300	170	1.7	310	110	1,100
12/21/01	30.00	5.60	24.40	980	1,100	58	0.72	120	14	450
03/15/02	30.00	6.05	23.95	2,200	5,000	250	9.1	470	430	1,800
06/15/02	30.00	5.84	24.16	3,700	5,200	240	5.2	540	210	2,200
09/06/02	30.00	5.59	24.41	2,200	2,100	84	1.4	250	30	1,000
12/06/02	30.00	5.44	24.56	730	780	21	<0.50	58	3.4	480
03/03/03	30.00	5.79	24.21	3,500	4,800	220	1.9	650	46	4,400
06/17/03[14]	30.00	6.07	23.93	4,100	4,700	140	4	370	84	2,700
09/16/03[14]	30.00	5.69	24.31	1,800[15]	1,300	38	<1	110	3	1,300
12/31/03[14]	30.00	5.64	24.36	330	990	11	<0.5	23	3	440
03/26/04	30.00	6.25	23.75	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04[14]	30.00	5.53	24.47	400	300	9	<0.5	18	1	340
11/16/04[14]	32.59	8.14	24.45	4,300	10,000	91	7	830	1,300	1,100
02/18/05	32.59	8.67	23.92	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/06/05[14]	32.59	9.06	23.53	1,300	4,900	62	4	290	320	400
08/05/05	32.59	8.61	23.98	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/07/05[14]	32.59	8.27	24.32	300[20]	800	2	<0.5	<0.5	<0.5	66
02/06/06	32.59	8.76	23.83	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/08/06[14]	32.59	9.49	23.10	2,100	6,100	32	4	430	460	360
08/08/06	32.59	8.79	23.80	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/06[14]	32.59	8.32	24.27	770	120	12	<0.5	0.7	8	840
02/06/07	32.59	8.30	24.29	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/07[14]	32.59	8.54	24.05	160	850	<0.5	<0.5	16	36	100

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-2 (cont)										
07/31/07	32.59	8.28	24.31	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/07[14]	32.59	8.12	24.47	800	180	<0.5	<0.5	<0.5	<0.5	37
02/04/08	32.59	8.38	24.21	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/08[14]	32.59	8.34	24.25	500	430	<0.5	<0.5	<0.5	5	120
08/01/08	32.59	8.26	24.33	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/13/08[14]	32.59	8.17	24.42	2,600	2,500	3	1	190	83	240
02/23/09	32.59	8.38	24.21	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/20/09[14]	32.59	8.94	23.65	2,800 J	4,000	4	1	42	55	160
08/25/09	32.59	8.59	24.00	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/18/09[14]	**32.59**	**8.08**	**24.51**	**2,800**	**5,400**	**4**	**1 J**	**69**	**34**	**79**
MW-3										
06/04/97	31.32	5.27	26.05	<50	190	26	20	1.5	16	8.2
09/16/97	31.32	5.17	26.15	<50	270	58	53	6.1	30	21
12/17/97	31.32	5.22	26.10	<50	290	50	54	8.1	37	21
03/18/98	31.32	6.42	24.90	<50	390	140	33	4.6	30	94
06/28/98	31.32	6.39	24.93	<50	290	90	11	1.6	13	150
09/07/98	31.32	5.97	25.35	<50	170	46	20	4.3	19	120
12/09/98	31.32	5.41	25.91	55[1]	660	120	93	22	72	150
03/11/99	31.32	5.85	25.47	<50	653	136	69.5	13.7	63.8	144
06/17/99	31.32	5.90	25.42	103[1]	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	232[1]	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	<50[2]	8650	1040	795	212	800	995

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-3 (cont)										
03/09/00[3]	31.32	6.14	25.18	74.6[1]	1170	304	103	25.2	114	539
06/10/00	31.32	6.29	25.03	--	359	63.8	27.8	10.5	35.4	393
09/30/00	31.32	5.79	25.53	100[8]	220[6]	42	33	12	38	67
12/22/00	31.32	5.52	25.80	110[9]	370[6]	96	48	18	58	180
03/01/01	31.32	5.75	25.57	144[7]	912[6]	218	89.0	36.0	110	310
05/04/01	31.32	5.96	25.36	<50	1,260	146	79.6	38.2	101	1,070
09/05/01	31.32	5.61	25.71	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	31.32	5.67	25.65	180	850	160	11	32	84	300
03/15/02	31.32	6.15	25.17	--	--	--	--	--	--	--
06/15/02	31.32	6.01	25.31	<50	550	110	3.0	23	58	590
09/06/02	31.32	5.74	25.58	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/06/02	31.32	5.56	25.76	160	350	60	1.3	11	32	530
03/03/03	31.32	5.92	25.40	SAMPLED SEMI-ANNUALLY			--	--	--	--
06/17/03[14]	31.32	6.19	25.13	130	560	90	2	19	57	590
09/16/03	31.32	5.85	25.47	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/31/03[14]	31.32	5.67	25.65	120	840	140	24	25	87	670
03/26/04	31.32	6.33	24.99	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04[14]	31.32	5.46	25.86	110	630	84	18	11	35	410
11/16/04[14]	34.16	8.26	25.90	92	740	100	4	21	45	460
02/18/05	34.16	8.79	25.37	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/06/05[14]	34.16	9.18	24.98	83	290	43	<1	6	11	740
08/05/05	34.16	8.81	25.35	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/07/05[14]	34.16	8.47	25.69	66	220	29	0.7	3	26	440

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-3 (cont)										
02/06/06	34.16	8.88	25.28	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/08/06[14]	34.16	9.67	24.49	310	560	70	<1	3	24	3,300
08/08/06	34.16	9.00	25.16	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/06[14]	34.16	8.57	25.59	210	510	<0.5	<0.5	<0.5	<0.5	73
02/06/07	34.16	8.48	25.68	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/07[14]	34.16	8.70	25.46	84	260	36	<0.5	0.8	18	1,200
07/31/07	34.16	8.46	25.70	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/07[14]	34.16	8.29	25.87	260	270	32	0.9	3	29	440
02/04/08	34.16	8.48	25.68	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/08[14]	34.16	8.50	25.66	82	240	30	<0.5	<0.5	20	690
08/01/08	34.16	8.40	25.76	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/13/08[14]	34.16	8.36	25.80	<50	720	22	<0.5	<0.5	7	790
02/23/09	34.16	8.44	25.72	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/20/09[14]	34.16	8.86	25.30	210	460	42	<0.5	1	20	450
08/25/09	34.16	8.60	25.56	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/18/09[14]	**34.16**	**8.45**	**25.71**	**240**	**280**	**25**	**<0.5**	**<0.5**	**9**	**170**
MW-4										
04/08/99	30.13	--	--	--	130	3.1	<0.5	<0.5	7.7	4,700
06/17/99	30.13	5.19	24.94	3,780[1]	590	58	<5.0	<5.0	160	6,200
09/29/99	30.13	4.96	25.17	1,130[1]	692	10.7	<2.5	5.51	236	7,840
12/14/99	30.13	4.91	25.22	571[1,2]	625	<10	3.83	<10	94.6	4,470
03/09/00[3]	30.13	5.45	24.68	600[1]	402	3.76	1.18	<0.5	71.4	3,140

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-4 (cont)										
06/10/00	30.13	5.53	24.60	--	<1,000	13.2	<10.0	<10.0	97.8	3,080
09/30/00	30.13	5.09	25.04	1,400[7]	280[6]	21	0.67	6.3	60	3,300
12/22/00	30.13	4.90	25.23	740[9]	240[6]	2.2	<0.50	1.3	25	2,200
03/01/01	30.13	5.15	24.98	661[7]	193	2.31	<0.500	1.34	12.1	1,220
05/04/01	30.13	5.25	24.88	1,100[7]	722	12.0	<5.00	17.1	89.4	2,390
09/05/01	30.13	4.96	25.17	2,500	1,400	23	2.2	19	260	2,300
12/21/01	30.13	5.06	25.07	1,100	310	2.9	<0.50	2.6	32	860
03/15/02	30.13	5.44	24.69	3,100	520	5.0	<0.50	15	6.8	2,700
06/15/02	30.13	5.29	24.84	2,400	950	16	3.6	41	100	2,200/2,400[12]
09/06/02	30.13	5.07	25.06	2,600	640	9.6	0.52	9.8	28	1,700
12/06/02	30.13	4.93	25.20	1,400	280	3.6	<0.50	1.7	<1.5	730
03/03/03	30.13	5.28	24.85	1,500	280	2.7	<0.50	7.3	2.3	910
06/17/03[14]	30.13	5.44	24.69	2,000	660	8	1	38	16	1,100
09/16/03[14]	30.13	5.15	24.98	2,100[16]	480	6	<1	11	3	710
12/31/03[14]	30.13	5.07	25.06	1,400	220	3	<0.5	2	<0.5	390
03/26/04	30.13	5.60	24.53	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04[14]	30.13	4.68	25.45	2,100	470	12	1	28	4	370
11/16/04[14]	33.07	7.63	25.44	960	270	7	<0.5	7	6	270
02/18/05	33.07	8.07	25.00	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/06/05[14]	33.07	8.38	24.69	350	86	0.7	<0.5	<0.5	<0.5	110
08/05/05	33.07	8.05	25.02	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/07/05[14]	33.07	7.74	25.33	150	54	0.6	<0.5	<0.5	<0.5	59
02/06/06	33.07	8.13	24.94	SAMPLED SEMI-ANNUALLY			--	--	--	--

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-4 (cont)										
05/08/06[14]	33.07	8.80	24.27	200	66	0.5	<0.5	<0.5	<0.5	92
08/08/06	33.07	7.91	25.16	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/06[14]	33.07	7.84	25.23	400	55	<0.5	<0.5	<0.5	<0.5	40
02/06/07	33.07	7.79	25.28	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/07[14]	33.07	7.99	25.08	150	67	<0.5	<0.5	<0.5	<0.5	76
07/31/07	33.07	7.80	25.27	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/08/07[14]	33.07	7.65	25.42	850	<50	<0.5	<0.5	<0.5	<0.5	44
02/04/08	33.07	7.84	25.23	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/01/08[14]	33.07	7.86	25.21	110	<50	<0.5	<0.5	<0.5	<0.5	67
08/01/08	33.07	7.79	25.28	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/13/08[14]	33.07	7.64	25.43	330	64	<0.5	<0.5	<0.5	1	220
02/23/09	33.07	8.01	25.06	SAMPLED SEMI-ANNUALLY			--	--	--	--
05/20/09[14]	33.07	8.34	24.73	560	130	<0.5	<0.5	<0.5	<0.5	190
08/25/09	33.07	8.10	24.97	SAMPLED SEMI-ANNUALLY			--	--	--	--
11/18/09[14]	**33.07**	**7.80**	**25.27**	**860**	**120**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**150**
MW-7										
05/04/01[11]	31.90	4.03	27.87	<50	<50.0	<0.500	<5.00	<5.00	<5.00	567/470[12]
09/05/01	31.90	3.86	28.04	<50	<50	<0.50	<0.50	<0.50	<1.5	1,400/1,300[12]
12/21/01	31.90	3.04	28.86	210	<50	<0.50	<0.50	<0.50	<1.5	620/670[12]
03/15/02	31.90	4.18	27.72	<50	<50	<0.50	<0.50	<0.50	<1.5	320/350[12]
06/15/02	31.90	4.06	27.84	<50	<50	<0.50	<0.50	<0.50	<1.5	850/960[12]
09/06/02	31.90	3.93	27.97	<50	59	<0.50	<0.50	<0.50	<1.5	1,900

TABLE 1

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CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-7 (cont)										
12/06/02	31.90	3.87	28.03	<50	68	<0.50	<0.50	<0.50	<1.5	2,200
03/03/03	31.90	4.21	27.69	<50	<50	<0.50	<0.50	<0.50	<1.5	1,300
06/17/03[14]	31.90	4.14	27.76	<50	79	<0.5	<0.5	<0.5	<0.5	2,500
09/16/03[14]	31.90	4.07	27.83	<50[17]	110	<5	<5	<5	<5	4,400
12/31/03[14]	31.90	4.04	27.86	<50	76	<2	<2	<2	<2	3,000
03/26/04[14]	31.90	4.25	27.65	<50	61	<1	<1	<1	<1	2,000
08/17/04[14]	31.90	4.02	27.88	2,200	130	<5	<5	<5	<5	8,000
11/16/04[14]	34.35	6.48	27.87	<50	200	<3	<3	<3	<3	7,300
02/18/05[14]	34.35	6.75	27.60	64	86	<10	<10	<10	<10	5,700
05/06/05[14]	34.35	6.92	27.43	60	160	<5	<5	<5	<5	8,400
08/05/05[14]	34.35	6.70	27.65	81[18]	500	<5	<5	<5	<5	20,000[19]
11/07/05[14]	34.35	6.56	27.79	68	300	<10	<10	<10	<10	24,000
02/06/06[14]	34.35	6.81	27.54	72[21]	300	<0.5	<0.5	<0.5	<0.5	14,000
05/08/06[14]	34.35	7.20	27.15	94	80	<2	<2	3	7	6,500
08/08/06[14]	34.35	6.82	27.53	150	520	<10	<10	<10	<10	17,000
11/08/06[14]	34.35	6.60	27.75	440	900	<5	<5	<5	<5	41,000
02/06/07[14]	34.35	6.59	27.76	200	590	<5	<5	<5	<5	31,000
05/01/07[14]	34.35	6.70	27.65	190	380	<3	<3	<3	<3	14,000
07/31/07[14]	34.35	6.60	27.75	270	570	<3	<3	<3	<3	15,000
11/08/07[14]	34.35	6.52	27.83	150	520	<5	<5	<5	<5	25,000
02/04/08[14]	34.35	6.66	27.69	87	540	<1	<1	<1	<1	17,000
05/01/08[14]	34.35	6.63	27.72	<50	230	<5	<5	<5	<5	10,000
08/01/08[14]	34.35	6.51	27.84	<50	330	<3	<3	<3	<3	12,000

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-7 (cont)										
11/13/08[14]	34.35	6.34	28.01	64	390	<10	<10	<10	<10	16,000
02/23/09[14]	34.35	6.70	27.65	100	270	<3	<3	<3	<3	11,000
05/20/09[14]	34.35	6.80	27.55	48 J	210	<1	<1	<1	<1	6,300
08/25/09[14, 22]	34.35	6.65	27.70	<100 U	160	<3	<3	<3	<3	5,700
11/18/09[14]	**34.35**	**6.58**	**27.77**	**250**	**100**	**<1**	**<1**	**<1**	**<1**	**2,800**
MW-5										
04/08/99	30.93	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/17/99	30.93	4.93	26.00	53.8[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.93	4.73	26.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	30.93	4.61	26.32	<50[2]	<50	<0.5	<0.5	<0.5	<0.5	0.598
03/09/00[3]	30.93	5.00	25.93	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	30.93	5.21	25.72	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.93	4.79	26.14	130[8]	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/22/00	30.93	4.60	26.33	250[8]	<50	<0.50	<0.50	<0.50	<0.50	9.1
03/01/01	30.93	4.77	26.16	77.4[7]	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/04/01	30.93	4.89	26.04	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--
09/05/01	30.93	4.72	26.21	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	30.93	4.73	26.20	110	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/15/02	30.93	5.06	25.87	--	--	--	--	--	--	--
06/15/02	30.93	4.95	25.98	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/06/02	30.93	4.75	26.18	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/06/02	30.93	4.61	26.32	<50	<50	<0.50	<0.50	<0.50	<1.5	<2.5

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-5 (cont)										
03/03/03	30.93	4.94	25.99	SAMPLED SEMI-ANNUALLY			--	--	--	--
06/17/03[14]	30.93	5.06	25.87	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/16/03	30.93	4.84	26.09	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/31/03[14]	30.93	4.72	26.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/26/04	30.93	5.19	25.74	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04	30.93	TO BE DESTROYED		--	--	--	--	--	--	--
DESTROYED - 2005										
MW-6										
04/08/99	30.58	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4.5
06/17/99	30.58	5.99	24.59	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.58	5.81	24.77	<50	<50	<0.5	<0.5	<0.5	<0.5	4.46
12/14/99	30.58	5.74	24.84	<50[2]	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/00[3]	30.58	6.49	24.09	<50	<50	<0.5	<0.5	<0.5	<0.5	2.82
06/10/00	30.58	6.58	24.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
09/30/00	30.58	6.00	24.58	110[8]	<50	<0.50	<0.50	<0.50	<0.50	7.3
12/22/00	30.58	5.75	24.83	100[8]	<50	<0.50	<0.50	<0.50	<0.50	4.5
03/01/01	30.58	6.07	24.51	141[7]	<50.0	<0.500	<0.500	<0.500	<0.500	7.52
05/04/01	30.58	6.26	24.32	<50	<50.0	<0.500	<5.00	<5.00	<5.00	2.74
09/05/01	30.58	5.99	24.59	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/21/01	30.58	5.93	24.65	200	<50	<0.50	<0.50	<0.50	<1.5	8.5
03/15/02	30.58	6.44	24.14	--	--	--	--	--	--	--
06/15/02	30.58	6.25	24.33	<50	<50	<0.50	<0.50	<0.50	<1.5	4.3

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
MW-6 (cont)										
09/06/02	30.58	5.98	24.60	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/06/02	30.58	5.79	24.79	64	<50	<0.50	<0.50	<0.50	<1.5	5.0
03/03/03	30.58	6.14	24.44	SAMPLED SEMI-ANNUALLY			--	--	--	--
06/17/03[14]	30.58	6.47	24.11	<50	<50	<0.5	<0.5	<0.5	<0.5	13
09/16/03	30.58	6.06	24.52	SAMPLED SEMI-ANNUALLY			--	--	--	--
12/31/03[14]	30.58	6.00	24.58	<50	<50	<0.5	<0.5	<0.5	0.5	14
03/26/04	30.58	6.69	23.89	SAMPLED SEMI-ANNUALLY			--	--	--	--
08/17/04	30.58	TO BE DESTROYED		--	--	--	--	--	--	--
DESTROYED - 2005										
TRIP BLANK										
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/09/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/17/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/09/00[3]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
TRIP BLANK (cont)										
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/22/00[10]	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/04/01	--	--	--	--	<50.0	<0.500	<5.00	<5.00	<5.00	<0.500
09/05/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA										
12/21/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/15/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/03/03[13]	--	--	--	--	--	--	--	--	--	--
06/17/03[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/16/03[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/31/03[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/26/04[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/17/04[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/16/04[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/18/05[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/06/05[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/05/05[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/07/05[14]	--	--	--	--	<50	0.6[19]	<0.5	<0.5	<0.5	<0.5
02/06/06[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*
QA (cont)										
05/08/06[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/08/06[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/08/06[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/06/07[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/01/07[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
07/31/07[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/08/07[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/04/08[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/01/08[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/01/08[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/13/08[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/23/09[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/20/09[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/25/09[14]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/18/09[14]	--	--	--	--	**<50**	**<0.5**	**0.5 J**	**<0.5**	**<0.5**	**<0.5**

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 10, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
-- = Not Measured/Not Analyzed
(µg/L) = Micrograms per liter
QA = Quality Assurance/Trip Blank

* The following wells: MW-1, MW-2, MW-3, MW-4, and MW-7, were resurveyed by Morrow Surveying on September 13, 2004. TOC elevation was surveyed on April 11, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was the top of curb at the south end of the return at the southeast corner of Castro Street and 18th Street. (Benchmark Elevation = 29.65 feet above msl).

1 Chromatogram pattern indicates an unidentified hydrocarbon.
2 Sample was extracted outside EPA recommended holding time.
3 TPH-G, BTEX and MTBE was analyzed outside EPA recommended holding time.
4 EPA Method 8240.
5 Confirmation run.
6 Laboratory report indicates gasoline C6-C12.
7 Laboratory report indicates unidentified hydrocarbons C9-C24.
8 Laboratory report indicates unidentified hydrocarbons >C16.
9 Laboratory report indicates unidentified hydrocarbons C9-C40.
10 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
11 Well development performed.
12 MTBE by EPA Method 8260.
13 Due to laboratory error the trip blank sample was not analyzed.
14 BTEX and MTBE by EPA Method 8260.
15 Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time had expired prior to re-extraction so all results are reported from the original extract. The TPH-D result from the re-extraction is 910 ppb.

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*TOC* (ft.)*	*GWE (msl)*	*DTW (ft.)*	*TPH-DRO (µg/L)*	*TPH-GRO (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE (µg/L)*

16	Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time had expired prior to re-extraction so all results are reported from the original extract. The TPH-D result from the re-extraction is 1,700 ppb.
17	Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time had expired prior to re-extraction so all results are reported from the original extract. Similar results were obtained in both extracts.
18	Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.
19	Analytical result confirmed.
20	Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
21	Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. The result is due to individual peak(s) eluting in the DRO range.
22	The DRO method blank had a detection of 33 ug/L. The DRO result for sample MW-7 should be considered estimated due to method blank contamination.
J	Estimated value
U	Compound not detected

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-1						
06/17/03	--	--	92	--	--	--
12/31/03	<50	--	86	--	--	--
08/17/04	<50	--	76	--	--	--
11/16/04	<50	--	48	--	--	--
05/06/05	<50	--	220	--	--	--
11/07/05	<50	--	260	--	--	--
05/08/06	<50	--	590	--	--	--
11/08/06	<50	--	140	--	--	--
05/01/07	<50	--	280	--	--	--
11/08/07	<50	--	270	--	--	--
05/01/08	<50	--	470	--	--	--
11/13/08	<50	--	190	--	--	--
05/20/09	<50	--	190	--	--	--
11/18/09	**<50**	**--**	**310**	**--**	**--**	**--**
MW-2						
06/17/03	--	--	2,700	--	--	--
09/16/03	<130	--	1,300	--	--	--
12/31/03	<50	--	440	--	--	--
08/17/04	<50	--	340	--	--	--
11/16/04	<100	--	1,100	--	--	--
05/06/05	<50	--	400	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-2 (cont)						
11/07/05	<50	--	66	--	--	--
05/08/06	<50	--	360	--	--	--
11/08/06	<50	--	840	--	--	--
05/01/07	<50	--	100	--	--	--
11/08/07	<50	--	37	--	--	--
05/01/08	<50	--	120	--	--	--
11/13/08	<50	--	240	--	--	--
05/20/09	<50	--	160	--	--	--
11/18/09	**<100**	**--**	**79**	**--**	**--**	**--**
MW-3						
06/17/03	--	--	590	--	--	--
12/31/03	66	--	670	--	--	--
08/17/04	<50	--	410	--	--	--
11/16/04	<50	--	460	--	--	--
05/06/05	<100	--	740	--	--	--
11/07/05	<50	--	440	--	--	--
05/08/06	<100	--	3,300	--	--	--
11/08/06	<50	--	73	--	--	--
05/01/07	<50	--	1,200	--	--	--
11/08/07	<50	--	440	--	--	--
05/01/08	<50	--	690	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-3 (cont)						
11/13/08	<50	--	790	--	--	--
05/20/09	<50	--	450	--	--	--
11/18/09	**<50**	**--**	**170**	**--**	**--**	**--**
MW-4						
04/08/99	<25,000	<5000	5400	<100	<100	<100
06/15/02	--	840	2,400	<2	<2	110
06/17/03	--	520	1,100	<0.5	<0.5	110
09/16/03	<100	--	710	--	--	--
12/31/03	<50	--	390	--	--	--
08/17/04	<50	66	370	<0.5	<0.5	50
11/16/04	<50	--	270	--	--	--
05/06/05	<50	21	110	<0.5	<0.5	8
11/07/05	<50	--	59	--	--	--
05/08/06	<50	--	92	--	--	--
11/08/06	<50	--	40	--	--	--
05/01/07	<50	10	76	<0.5	<0.5	6
11/08/07	<50	--	44	--	--	--
05/01/08	<50	12	67	<0.5	<0.5	4
11/13/08	<50	--	220	--	--	--
05/20/09	<50	58	190	<0.5	<0.5	6
11/18/09	**<50**	**--**	**150**	**--**	**--**	**--**

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-7						
05/04/01	<500	57	470	<2.0	<2.0	11
09/05/01	<500	<100	1,300	<2	<2	32
12/21/01	<500	<100	670	<2	<2	15
03/15/02	<500	<100	350	<2	<2	8
06/15/02	--	<100	960	<2	<2	18
06/17/03	--	37	2,500	<0.5	<0.5	53
09/16/03	<500	--	4,400	--	--	--
12/31/03	<200	--	3,000	--	--	--
08/17/04	<500	<50	8,000	<5	<5	140
11/16/04	<250	--	7,300	--	--	--
02/18/05	<1,000	--	5,700	--	--	--
05/06/05	<500	<50	8,400	<5	<5	140
08/05/05	<500	--	20,000[1]	--	--	--
11/07/05	<1,000	--	24,000	--	--	--
02/06/06	<50	--	14,000	--	--	--
05/08/06	<200	--	6,500	--	--	--
08/08/06	<1,000	--	17,000	--	--	--
11/08/06	<500	--	41,000	--	--	--
02/06/07	<500	--	31,000	--	--	--
05/01/07	<250	<10	14,000	<3	<3	260
07/31/07	<250	--	15,000	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-7 (cont)						
11/08/07	<500	--	25,000	--	--	--
02/04/08	<100	--	17,000	--	--	--
05/01/08	<500	<20	10,000	<5	<5	170
08/01/08	<250	--	12,000	--	--	--
11/13/08	<1,000	--	16,000	--	--	--
02/23/09	<250	--	11,000	--	--	--
05/20/09	<100	31	6,300	<1	<1	120
08/25/09	<250	--	5,700	--	--	--
11/18/09	**<130**	**--**	**2,800**	**--**	**--**	**--**
MW-5						
04/08/99	<500	<100	<2.0	<2.0	<2.0	<2.0
06/17/03	--	--	<0.5	--	--	--
09/16/03	SAMPLED SEMI-ANNUALLY		--	--	--	--
12/31/03	<50	--	<0.5	--	--	--
08/17/04	TO BE DESTROYED		--	--	--	--
DESTROYED - 2005						
MW-6						
04/08/99	<500	<100	5.6	<2.0	<2.0	<2.0
06/17/03	--	--	13	--	--	--
09/16/03	SAMPLED SEMI-ANNUALLY		--	--	--	--

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-4800
1700 CASTRO STREET, OAKLAND, CALIFORNIA

WELL ID/ DATE	*ETHANOL (µg/L)*	*TBA (µg/L)*	*MTBE (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*
MW-6 (cont)						
12/31/03	<50	--	14	--	--	--
08/17/04	TO BE DESTROYED		--	--	--	--
DESTROYED - 2005						

EXPLANATIONS:

Groundwater laboratory analytical results prior to May 4, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.
TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
(µg/L) = Micrograms per liter
-- = Not Analyzed
[1] Laboratory report confirmed analytical result.

ATTACHMENT A

BLAINE TECH'S NOVEMBER 19, 2009 *FOURTH QUARTER MONITORING* REPORT

BLAINE™
TECH SERVICES

November 19, 2009

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

Fourth Quarter 2009 Monitoring at
Chevron Service Station 94800
1700 Casrto St.
Oakland, CA

Monitoring performed on November 18, 2009

Blaine Tech Services, Inc. Groundwater Monitoring Event 091118-JO1

This submission covers the routine monitoring of groundwater wells conducted on November 18, 2009 at this location. Five monitoring wells were measured for depth to groundwater (DTW). Five 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.

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

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

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 dewaters 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 # 091118-J01 Date 11-18-09 Client chevron

Site 1700 Castro St. Oakland 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
MW-1	0718	2					25.93	30.64		
MW-2	0725	2					24.51	30.30		
MW-3	0722	2					25.71	30.25		
MW-4	0728	2					25.27	28.82		
MW-7	0735	2					27.27	30.14		

CHEVRON WELL MONITORING DATA SHEET

Project #: 091118-J01	Station #: 9-4800
Sampler: JD	Date: 11-18-09
Weather: clear	Ambient Air Temperature: 65°
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.64	Depth to Water: 25.93
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]: 26.87	

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

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
0743	67.8	6.98	1222	>1000	0.7	cloudy
0745	67.8	6.71	1220	>1000	1.4	"
0747	67.9	6.68	1224	>1000	2.1	"

Did well dewater? Yes (No) Gallons actually evacuated: 2.1

Sampling Date: 11-18-09 Sampling Time: 0755 Depth to Water: 26.03

Sample I.D.: MW-1 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

CHEVRON WELL MONITORING DATA SHEET

Project #: 091110-J01	Station #: 9-4800
Sampler: JD	Date: 11-18-09
Weather: clear	Ambient Air Temperature: 65°
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.30	Depth to Water: 24.51
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]: 25.67	

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: _____

0.9 (Gals.) X 3 = 2.7 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0810	67.6	7.04	969	316	0.9	odor
0812	67.4	6.97	999	305	1.8	↓
0814	67.6	6.89	995	301	2.7	↓

Did well dewater? Yes (No) Gallons actually evacuated: 2.7

Sampling Date: 11-18-09 Sampling Time: 0820 Depth to Water: missed

Sample I.D.: MW-2 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

CHEVRON WELL MONITORING DATA SHEET

Project #: 091118-J01	Station #: 9-4800
Sampler: JD	Date: 11-18-09
Weather:	Ambient Air Temperature:
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.25	Depth to Water: 25.71
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]: 26.62	

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: _____

0.7 (Gals.) X 3 = 2.1 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 (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0847	67.1	6.88	1291	151	0.7	odor
0849	67.0	6.79	1304	262	1.4	
0851	67.0	6.71	1317	341	2.1	

Did well dewater? Yes (No) Gallons actually evacuated: 2.1

Sampling Date: 11-18-09 Sampling Time: 0900 Depth to Water: 25.93

Sample I.D.: MW-3 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

CHEVRON WELL MONITORING DATA SHEET

Project #: 091118-J01	Station #: 9-4800
Sampler: JD	Date: 11-18-09
Weather: clear	Ambient Air Temperature: 68°
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.82	Depth to Water: 25.27
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]: 25.98	

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: _____

0.5 (Gals.) X	3	= 1.5 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
0928	68.1	6.78	921	614	0.5	
0830	67.9	6.75	904	562	1.0	
0832	68.0	6.71	899	564	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 11-18-09 Sampling Time: 0840 Depth to Water: 25.62

Sample I.D.: MW-4 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

CHEVRON WELL MONITORING DATA SHEET

Project #: 091118-J01	Station #: 9-4800
Sampler: JD	Date: 11-18-09
Weather: Clear	Ambient Air Temperature: 68°
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.14	Depth to Water: 27.77
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]: 28.24	

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: _____

0.4 (Gals.) X	3	=	1.2 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
0907	67.7	7.23	1127	>1000	0.4	
0909	67.4	7.18	1116	>1000	0.8	
0911	67.3	7.20	1104	>1000	1.2	

Did well dewater? Yes (No) Gallons actually evacuated: 1.2

Sampling Date: 11-18-09 Sampling Time: 0920 Depth to Water: 27.97

Sample I.D.: MW-7 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

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 94800

Chevron Site Global ID: T0600102076

Chevron Site Address: 1700 Casrto St.,

Oakland, 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,

CAConsultant Contact: Charlotte Evans

Consultant Phone No. 510-420-3351

Consultant Project No. 091118-J01

Sampling Company: Blaine Tech Services

Sampled By (Print): J. ORTIZ

Sampler Signature:

Charge Code: NWRTB-0094800-0-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.
0600	1°C
1000	2°C
1200	2°C
1400	2°C

ANALYSES REQUIRED

#	EPA 8260B/GC/MS TPH-G ☐ BTEX ☒ MTBE ☒ OXYGENATES ☐ HVOC ☐	EPA 8015B GRO ☒ DRO ☒ ORO ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA150.1 PH ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH ☐	EPA 413.1 OIL & GREASE ☐	EPA 310.1 ALKALINITY ☐	Ethanol (8260)		Preservation Codes
1	X	X									X		H =HCL T= Thiosulfate N =HNO_3 B = NaOH S = H_2SO_4 O = Other
2	X	X									X		
3	X	X									X		
4	X	X									X		
5	X	X									X		
6	X	X											

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	Special Instructions: Must meet lowest detection limits possible for 8260 Compounds	Notes/Comments
MW-1	W		091118	0755	8	mixed		
MW-2				0820				
MW-3				0900				
MW-4				0840				
MW-7				0920				
QA	T			0750	2	VOAs		TPH-G (only) NO TPH-D

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	11-18-09 1415		BTS	11-18-09 1415
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard ☒ 24 Hours ☐ 48 hours ☐ 72 Hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival)

Intact: _____ On Ice: _____ Temp: _____

COC #

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 11-16-09

Site Address 1700 Custro St Oakland CA

Job Number 091116-J01 Technician JD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	✓									
MW-2		y ✓	y ✓					✓		
MW-3	✓									
MW-4	✓									
MW-7	✓									

NOTES: MW-2 3/8 Bolts missing 1/2 Tabs Broken

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:

9-4800	Aaron Costa
CHEVRON #	Chevron Engineer

1700	Castro	Oakland	CA
street number	street name	city	state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	2.1		
MW-2	2.7		
MW-3	2.1		
MW-4	1.5		
MW-7	1.2 .6		

added equip. rinse water / TO 0.4

any other adjustments /

TOTAL GALS. RECOVERED 10.

loaded onto BTS vehicle # 86

BTS event # 091118-S01 time 0945 date 11/18/09

signature

* *

REC'D AT BTS time 1400 date 11/18/09

unloaded by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Chevron 9-4800				PROJECT NUMBER 091118-J01			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
myron L ultra meter II	622984	11-18-09	7,10,4 3900 ms	7.01, 10.01, 4.04 3871 ms	yes	20°c	b

ATTACHMENT B

LANCASTER LABORATORIES' DECEMBER 2, 2009 ANALYTICAL REPORT

Lancaster Laboratories

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

Analysis 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

December 02, 2009

Project: 94800

Samples arrived at the laboratory on Friday, November 20, 2009. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1172086.

Client Sample Description	Lancaster Labs (LLI) #
MW-1-W-091118 NA Water	5844358
MW-2-W-091118 NA Water	5844359
MW-3-W-091118 NA Water	5844360
MW-4-W-091118 NA Water	5844361
MW-7-W-091118 NA Water	5844362
QA-T-091118 NA Water	5844363

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

ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans

Lancaster Laboratories

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

Analysis Report

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

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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

Analysis Report

Sample Description: MW-1-W-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 MW-1

LLI Sample # WW 5844358
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 07:55 by JO

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COMW1

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**	
06067	Benzene	71-43-2	N.D.		0.5	1	1
06067	Ethanol	64-17-5	N.D.		50	250	1
06067	Ethylbenzene	100-41-4	0.6	J	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	310		0.5	1	1
06067	Toluene	108-88-3	N.D.		0.5	1	1
06067	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
GC Extractable TPH	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	150		32	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 13:15	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D093282AA	11/24/2009 13:15	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 07:04	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 07:04	Tyler O Griffin	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	093250002A	11/24/2009 03:14	Diane V Do	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	093250002A	11/22/2009 18:30	Elaine F Stoltzfus	1

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

Lancaster Laboratories

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Analysis Report

Sample Description: MW-2-W-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 MW-2

LLI Sample # WW 5844359
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 08:20 by JO

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COMW2

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**	
06067	Benzene	71-43-2	4		1	2	2
06067	Ethanol	64-17-5	N.D.		100	500	2
06067	Ethylbenzene	100-41-4	69		1	2	2
06067	Methyl Tertiary Butyl Ether	1634-04-4	79		1	2	2
06067	Toluene	108-88-3	1	J	1	2	2
06067	Xylene (Total)	1330-20-7	34		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.	5,400		250	500	5
GC Extractable TPH	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	2,800		320	1,000	10

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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 13:39	Ginelle L Feister	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D093282AA	11/24/2009 13:39	Ginelle L Feister	2
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 09:15	Tyler O Griffin	5
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 09:15	Tyler O Griffin	5
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	093250002A	11/24/2009 03:55	Diane V Do	10
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	093250002A	11/22/2009 18:30	Elaine F Stoltzfus	1

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

Lancaster Laboratories

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Analysis Report

Sample Description: MW-3-W-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 MW-3

LLI Sample # WW 5844360
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 09:00 by JO

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COMW3

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**	
06067	Benzene	71-43-2	25	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	170	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	Xylene (Total)	1330-20-7	9	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.	280	50	100	1
GC Extractable TPH	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	240	32	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 14:02	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D093282AA	11/24/2009 14:02	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 07:26	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 07:26	Tyler O Griffin	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	093250002A	11/24/2009 03:34	Diane V Do	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	093250002A	11/22/2009 18:30	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: MW-4-W-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 MW-4

LLI Sample # WW 5844361
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 08:40 by JO

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COMW4

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**	
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	150	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	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.	120	50	100	1
GC Extractable TPH	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	860	32	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 14:25	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D093282AA	11/24/2009 14:25	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 07:48	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 07:48	Tyler O Griffin	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	093250002A	11/24/2009 02:32	Diane V Do	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	093250002A	11/22/2009 18:30	Elaine F Stoltzfus	1

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

Lancaster Laboratories

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Analysis Report

Sample Description: MW-7-W-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 MW-7

LLI Sample # WW 5844362
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 09:20 by JO

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COMW7

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**	
06067	Benzene	71-43-2	N.D.	1	3	2.5
06067	Ethanol	64-17-5	N.D.	130	630	2.5
06067	Ethylbenzene	100-41-4	N.D.	1	3	2.5
06067	Methyl Tertiary Butyl Ether	1634-04-4	2,800	13	25	25
06067	Toluene	108-88-3	N.D.	1	3	2.5
06067	Xylene (Total)	1330-20-7	N.D.	1	3	2.5
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	100	50	100	1
GC Extractable TPH	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	250	32	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 14:49	Ginelle L Feister	2.5
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	D093282AA	11/24/2009 15:12	Ginelle L Feister	25
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D093282AA	11/24/2009 14:49	Ginelle L Feister	2.5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D093282AA	11/24/2009 15:12	Ginelle L Feister	25
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 08:10	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 08:10	Tyler O Griffin	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	093250002A	11/24/2009 02:53	Diane V Do	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	093250002A	11/22/2009 18:30	Elaine F Stoltzfus	1

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

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Analysis Report

Sample Description: QA-T-091118 NA Water
Facility #94800 BTST
1700 Castro St-Oakland T0600102076 QA

LLI Sample # WW 5844363
LLI Group # 1172086
CA

Project Name: 94800

Collected: 11/18/2009 07:50

Submitted: 11/20/2009 09:00
Reported: 12/02/2009 at 08:22
Discard: 01/02/2010

Account Number: 10991

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

COQA-

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	0.5	J	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	P093321AA	11/28/2009 10:44	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P093321AA	11/28/2009 10:44	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09327B20A	11/24/2009 03:27	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09327B20A	11/24/2009 03:27	Tyler O Griffin	1

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

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1172086
Reported: 12/02/09 at 08:22 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D093282AA	Sample number(s): 5844358-5844362								
Benzene	N.D.	0.5	1	ug/l	102		79-120		
Ethanol	N.D.	50.	250	ug/l	106		40-158		
Ethylbenzene	N.D.	0.5	1	ug/l	97		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	98		76-120		
Toluene	N.D.	0.5	1	ug/l	104		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	105		80-120		
Batch number: P093321AA	Sample number(s): 5844363								
Benzene	N.D.	0.5	1	ug/l	101	101	79-120	0	30
Ethylbenzene	N.D.	0.5	1	ug/l	94	95	79-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	101	101	76-120	1	30
Toluene	N.D.	0.5	1	ug/l	98	96	79-120	1	30
Xylene (Total)	N.D.	0.5	1	ug/l	95	94	80-120	1	30
Batch number: 09327B20A	Sample number(s): 5844358-5844363								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	118	127	75-135	7	30
Batch number: 093250002A	Sample number(s): 5844358-5844362								
TPH-DRO CA C10-C28	N.D.	32.	100	ug/l	74	75	56-122	2	20

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D093282AA	Sample number(s): 5844358-5844362 UNSPK: P844411								
Benzene	102	108	80-126	6	30				
Ethanol	108	114	37-164	5	30				
Ethylbenzene	99	106	71-134	6	30				
Methyl Tertiary Butyl Ether	103	100	72-126	3	30				
Toluene	103	112	80-125	8	30				
Xylene (Total)	104	112	79-125	7	30				
Batch number: P093321AA	Sample number(s): 5844363 UNSPK: P845874								
Benzene	102		80-126						
Ethylbenzene	91		71-134						
Methyl Tertiary Butyl Ether	102		72-126						
Toluene	95		80-125						
Xylene (Total)	89		79-125						

*- 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 Group Number: 1172086
Reported: 12/02/09 at 08:22 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 09327B20A	Sample number(s): 5844358-5844363 UNSPK: P844295								
TPH-GRO N. CA water C6-C12	127		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, ETOH
Batch number: D093282AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5844358	96	92	95	98
5844359	96	93	96	102
5844360	97	93	94	98
5844361	98	92	95	98
5844362	95	90	94	95
Blank	97	94	93	93
LCS	97	95	92	101
MS	97	92	93	102
MSD	98	96	93	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: P093321AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5844363	86	85	84	81
Blank	86	82	84	80
LCS	86	86	84	82
LCSD	85	85	84	82
MS	86	86	86	85
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09327B20A

	Trifluorotoluene-F
5844358	107
5844359	117
5844360	105
5844361	106
5844362	107
5844363	105
Blank	106
LCS	117
LCSD	119
MS	118

*- 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 Group Number: 1172086
Reported: 12/02/09 at 08:22 AM

Surrogate Quality Control

Limits:	63-135
Analysis Name: TPH-DRO CA C10-C28	
Batch number: 093250002A	
	Orthoterphenyl
5844358	82
5844359	105
5844360	84
5844361	86
5844362	85
Blank	85
LCS	93
LCSD	96
Limits:	59-131

*- 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.

111909-05

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 94800
Chevron Site Global ID: T0600102076
Chevron Site Address: 1700 Casrto St.,
Oakland, 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,
CAConsultant Contact: Charlotte Evans
Consultant Phone No. 510-420-3351
Consultant Project No. 091118-301
Sampling Company: Blaine Tech Services
Sampled By (Print): J. Ortiz
Sampler Signature:

Charge Code: NWRTB-0094800-0-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.
0800	10
1000	10
1100	10
1103	7C

ANALYSES REQUIRED

H	W								H		
EPA 8260B/GC/MS BTEX ☐ TPH-G ☐	OXYGENATES ☐ MTBE ☒	EPA 8015B GRO ☒	DRO ☒	ORO ☐ HC SCREEN ☐	HVOC ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 413.1 OIL & GREASE ☐	EPA 418.1 TRPH ☐	Ethanol (68260)		Preservation Codes
																H =HCL T= Thiosulfate N =HNO_3 B = NaOH S = H_2SO_4 O = Other Acct #10991 Grp#1172086

SAMPLE ID

Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type											Special Instructions / Notes/Comments
MW-1	W		091118	0755	8	mixed	X	X							X		Must meet lowest detection limits possible for 8260 Compounds Sample # 5844358-63
MW-2				0820			X	X							X		
MW-3				0900			X	X							X		
MW-4				0840			X	X							X		
MW-7				0920			X	X							X		
QA	T			0750	2	Vons	X	X									TPH-G (only) NO TPH-D

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time	
	BTS	11-18-09		BTS	11-18-09	1415
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time	
	BTS	11-19-09 1001		LLI	11/19/09	1001
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time	
Ca. Salazar	LLI	1630 11/20/09	FEDEX			
MaryBeth Reed		11/20/09 1140				

Turnaround Time:
Standard ☒ 24 Hours ☐ 48 hours ☐ 72 Hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 1.6-4.0

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 limit of quantitation, 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 quatitated 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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