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9:13 am, May 03, 2010

Alameda County
Environmental Health

Aaron CostaProject Manager
Marketing Business Unit

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

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

Re: Chevron Service Station No. 9-3600

2200 Telegraph Avenue

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 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,

Aaron Costa Project Manager

Attachment: Report



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. 311965

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

Chevron Service Station 9-3600

2200 Telegraph Avenue Oakland, California

Fuel Leak Case No. RO0002435

Dear Mr. 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 recommendations, and anticipated future activities.

SITE BACKGROUND

Site Description

The site is an active Chevron gasoline service station located at the southeast corner of Telegraph and West Grand Avenues in Oakland, California (Figure 1). Chevron purchased the land in 1951 and operated a retail service station until 1983. In 1984, all station facilities and improvements were removed when Chevron attempted to sell the land. Due to the Bay Area Rapid Transit (BART) right of way, Chevron was unable to sell the land, and in 1985 rebuilt the station in to its current configuration. In 2000, Chevron sold the land and facilities to the station dealer. Current site facilities consist of a kiosk, bathroom, storage room, three 10,000 gallon underground storage tanks (UST) that share a common pit near the northeastern corner of the site, five dispenser islands covered by a canopy, and associated product piping (Figure 2).

The site is surrounded by commercial businesses. A Valero gasoline station is located to the west at the southwest corner of Telegraph and West Grand Avenues, an auto repair facility is located to the north across West Grand Avenue, and Douglas parking lot is located to the east.

Equal Employment Opportunity Employer



BART tracks run northwest to southeast beneath the center of the site in an underground tunnel at a depth of approximately 30 feet below grade (fbg).

Site Geology

Regional sediments consist of alluvial deposits composed of unconsolidated fine-grained, poorly-graded aeolian sand. The alluvial deposits range in thickness up to 60 feet. Generally unconfined conditions prevail in this water-bearing formation (CRWQCB-SFBR 1999).¹ Soils encountered beneath the site generally consist of silty and clayey sand from grade to depths of approximately 5 to 10 fbg, underlain by sandy clay and poorly-graded sand to the total depth explored of 20 fbg.

Hydrogeology

The site is located within the East Bay Plain, a northwest trending alluvial plain deposited 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 (CRWQCB-SFBR 1999). Groundwater beneath the site has been monitored quarterly since April 2002 by three onsite wells. Depth to groundwater varies little and has historically ranged on average from 11 to 12 fbg. Groundwater flows consistently towards the southeast.

RESULTS OF THE FIRST SEMI-ANNUAL 2010 SAMPLING EVENT

Groundwater Monitoring

On January 28, 2010, Blaine Tech gauged and sampled wells MW-1, MW-2, and MW-3. Depth to groundwater ranged from 10.23 to 10.81 fbg. Groundwater flowed towards the south-southeast at a gradient of 0.002. Blaine Tech's January 29, 2010 *First Quarter 2010 Monitoring* report is included as Attachment A. Groundwater elevations and hydrocarbon concentration data from this event are presented on Figure 2.

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.



Groundwater samples were submitted to Lancaster Laboratories and analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), and oxygenates, including methyl tertiary butyl ether (MTBE). The laboratory 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 water³ in Table A. Cumulative groundwater monitoring and sampling data are presented in Tables 1 and 2.

TABLE A: HYDROCARBON CONCENTRATIONS IN GROUNDWATER										
	ТРНд	PHg Benzene Toluene Ethylbenzene Xylenes MTBE								
Groundwater ESLs	100	1.0	40	30	20	5				
		concentrations in micrograms per liter (µg/L)								
MW-1	2,600	<0.5	<0.5	2	<0.5	31				
MW-2	<50	<0.5	<0.5	<0.5	<0.5	< 0.5				
MW-3	<50	< 0.5	<0.5	<0.5	< 0.5	< 0.5				

Dissolved Hydrocarbon Delineation

No benzene was detected in groundwater. Dissolved TPHg and MTBE are only detected in well MW-1 located south of the UST pit and are defined to the northwest (upgradient) by MW-2 and to the southwest (crossgradient) by MW-3.

Concentration Trends

No benzene has been detected in groundwater since 2004. TPHg concentrations in MW-1 are fluctuating, but are stable. MTBE concentrations in well MW-1 are stable, and remain two orders of magnitude below the historic maximum in 2003.

CONCLUSIONS AND RECOMMENDATIONS

The first quarter 2010 sampling event results indicate dissolved hydrocarbon concentrations are stable or decreasing in well MW-1, and are not detected in wells MW-2 and MW-3, therefore

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.



CRA recommends reviewing the site for low-risk closure. Additionally, CRA recommends the discontinuation of analyzing for the fuel oxygenates di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), and tertiary amyl methyl ether (TAME) in groundwater samples.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring and Sampling

Blaine Tech will monitor and sample the site wells during the third quarter. Within 60 days of the sampling event, CRA will prepare and submit a sampling report which will include a site summary, conclusions, and recommendations with the third quarter sampling data.

Closure Evaluation

CRA will review site conditions and assess whether the site meets low risk groundwater case closure criteria. If so, CRA will submit a closure request.



Please contact Mr. Nathan Lee at (510) 420-3333 if you have any questions or require additional information.

N. Scott MacLeod, P.G. #5747

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Kiersten Hoey

KH/mws/5

Encl.

Figure 1 Vicinity Map

Figure 2 Groundwater Elevation and Hydrocarbon Concentration Map

Table 1 Groundwater Monitoring Data and Analytical ResultsTable 2 Groundwater Analytical Results - Oxygenate Compounds

Attachment A Blaine Tech's January 29, 2010 First Quarter 2010 Monitoring Report

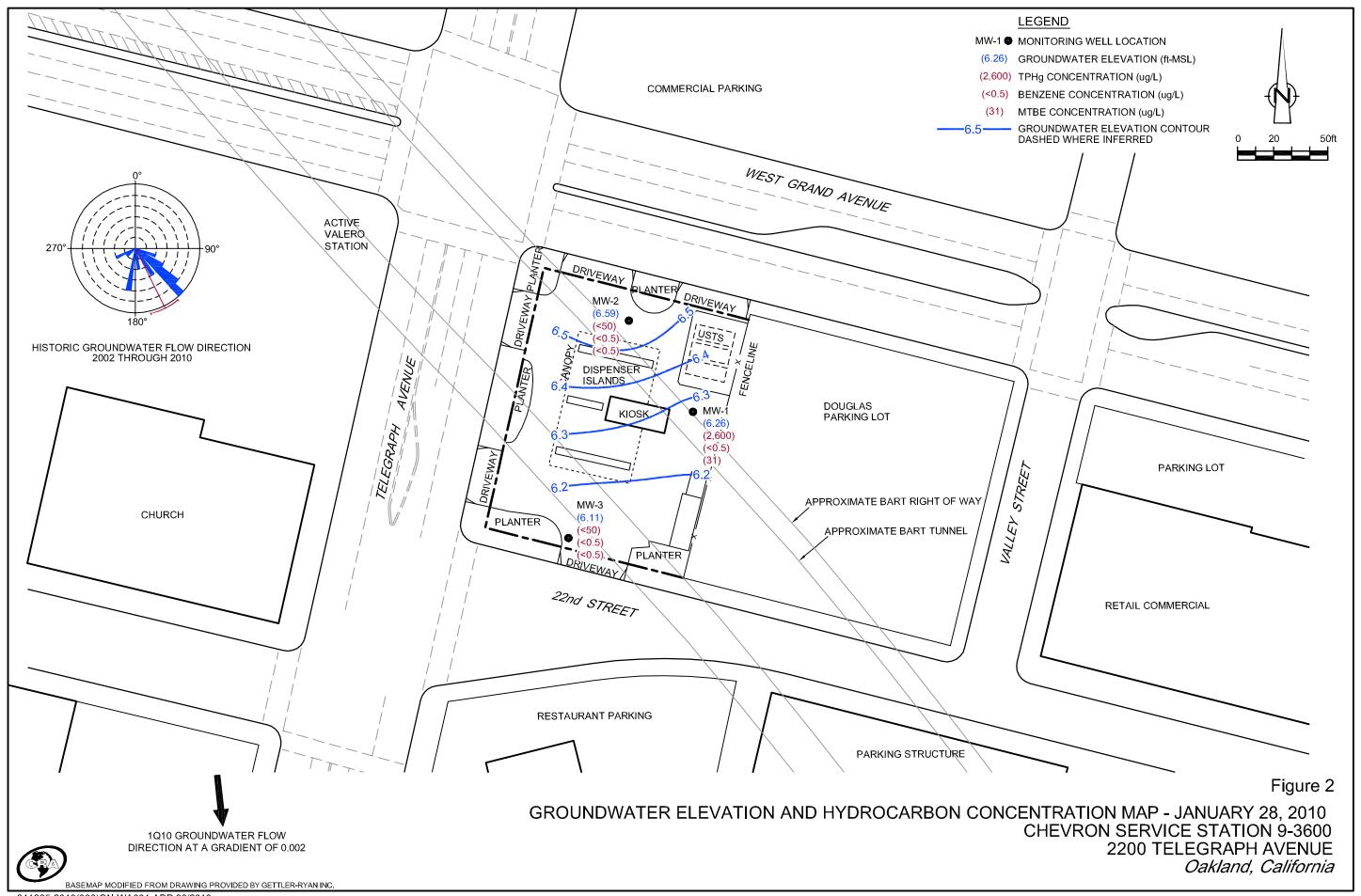
Attachment B Lancaster Laboratories' February 12, 2010 Analytical Report

cc: Mr. Aaron Costa, Chevron

FIGURES

Chevron Service Station 9-3600





TABLES

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
MW-1									
$04/05/02^1$	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	$310/370^2$
07/01/02	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	$370/420^2$
10/08/02	17.07	12.20	4.87	1,400	9.2	<10	75	20	$440/360^2$
01/11/03	17.07	11.13	5.94	1,600	7.1	0.51	53	13	$280/270^2$
04/01/03	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	$210/210^2$
$07/01/03^3$	17.07	11.95	5.12	2,000	4	< 0.5	31	12	170
$10/02/03^3$	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800
$01/05/04^3$	17.07	11.05	6.02	1,700	3	< 0.5	27	4	140
$04/05/04^3$	17.07	11.63	5.44	1,500	2	< 0.5	21	0.6	120
$07/01/04^3$	17.07	12.08	4.99	1,500	1	< 0.5	3	<0.5	130
$10/05/04^3$	17.07	12.21	4.86	1,400	<0.5	< 0.5	1	0.5	130
$01/04/05^3$	17.07	11.15	5.92	1,500	<0.5	< 0.5	< 0.5	<0.5	<0.5
$04/14/05^3$	17.07	11.20	5.87	2,100	<0.5	< 0.5	4	0.5	61
$07/08/05^3$	17.07	11.38	5.69	1,800	<0.5	< 0.5	0.8	<0.5	71
$10/27/05^3$	17.07	12.24	4.83	800	<0.5	< 0.5	< 0.5	<0.5	76
$01/12/06^3$	17.07	11.10	5.97	1,600	<0.5	<0.5	4	< 0.5	47
$04/13/06^3$	17.07	10.81	6.26	1,500	<0.5	<0.5	1	< 0.5	36
$07/13/06^3$	17.07	11.18	5.89	990	< 0.5	<0.5	<0.5	< 0.5	44
$10/16/06^3$	17.07	12.18	4.89	780	<0.5	<0.5	<0.5	< 0.5	59
$01/20/07^3$	17.07	11.91	5.16	890	<0.5	<0.5	<0.5	<0.5	47
$04/11/07^3$	17.07	11.87	5.20	1,900	<0.5	<0.5	4	< 0.5	39

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
$07/27/07^3$	17.07	11.91	5.16	1,500	<0.5	<0.5	0.6	< 0.5	56
$10/22/07^3$	17.07	 ⁴		610	<0.5	<0.5	<0.5	< 0.5	65
11/26/07	17.07	11.96	5.11						
$01/21/08^3$	17.07	11.78	5.29	1,100	<0.5	<0.5	0.8	< 0.5	48
$04/04/08^3$	17.07	11.83	5.24	1,600	<0.5	<0.5	<0.5	<0.5	53
$07/21/08^3$	17.07	12.10	4.97	950	<0.5	<0.5	< 0.5	<0.5	72
$10/09/08^3$	17.07	12.17	4.90	960	<0.5	<0.5	<0.5	<0.5	59
$01/21/09^3$	17.07	12.15	4.92	840	< 0.5	< 0.5	< 0.5	<0.5	31
$04/29/09^3$	17.07	11.68	5.39	1,800	< 0.5	< 0.5	3	<0.5	25
$07/23/09^3$	17.07	11.85	5.22	1,900	< 0.5	< 0.5	< 0.5	<0.5	30
01/28/10 ³	17.07	10.81	6.26	2,600	<0.5	<0.5	2	<0.5	31
MW-2									2
$04/05/02^1$	16.82	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
07/01/02	16.82	11.36	5.46	<50	< 0.50	0.57	0.52	<1.5	<2.5/<2 ²
MW-2 (cont)									
10/08/02	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2 ²
01/11/03	16.82	10.94	5.88	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2 ²
04/01/03	16.82	11.03	5.79	<50	<0.5	<0.5	< 0.5	<1.5	<2.5/<0.5 ²
$07/01/03^3$	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	< 0.5	< 0.5
$10/02/03^3$	16.82	11.63	5.19	<50	<0.5	<0.5	<0.5	< 0.5	<0.5
$01/05/04^3$	16.82	10.82	6.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

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CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
$04/05/04^3$	16.82	11.21	5.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/01/04^3$	16.82	11.46	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/05/04^3$	16.82	11.57	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/04/05^3$	16.82	10.87	5.95	<50	0.5	<0.5	8	0.9	87
$04/14/05^3$	16.82	10.72	6.10	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/08/05^3$	16.82	11.16	5.66	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$10/27/05^3$	16.82	11.59	5.23	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$01/12/06^3$	16.82	10.68	6.14	<50	<0.5	< 0.5	< 0.5	< 0.5	< 0.5
$04/13/06^3$	16.82	10.37	6.45	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$07/13/06^3$	16.82	10.68	6.14	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$10/16/06^3$	16.82	11.48	5.34	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$01/20/07^3$	16.82	11.27	5.55	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$04/11/07^3$	16.82	11.20	5.62	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$07/27/07^3$	16.82	11.27	5.55	<50	<0.5	< 0.5	<0.5	<0.5	< 0.5
$10/22/07^3$	16.82	4		<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/07	16.82	11.31	5.51						
$01/21/08^3$	16.82	11.08	5.74	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/04/08^3$	16.82	11.12	5.70	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/21/08^3$	16.82	11.56	5.26	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/09/08^3$	16.82	11.73	5.09	<50	<0.5	< 0.5	<0.5	<0.5	<0.5
$01/21/09^3$	16.82	11.55	5.27	<50	<0.5	< 0.5	<0.5	<0.5	<0.5
04/29/09	16.82	11.06	5.76	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
_									
$07/23/09^3$	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/28/10^3$	16.82	10.23	6.59	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3									
$04/05/02^1$	16.52	11.29	5.23	<50	< 0.50	0.59	< 0.50	<1.5	<2.5/<2 ²
07/01/02	16.52	11.55	4.97	<50	< 0.50	0.60	< 0.50	<1.5	<2.5/<2 ²
10/08/02	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	< 5.0	<10/<2 ²
01/11/03	16.52	11.09	5.43	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2 ²
MW-3 (cont)									
04/01/03	16.52	11.25	5.27	<50	<0.5	< 0.5	<0.5	<1.5	<2.5/<0.5 ²
$07/01/03^3$	16.52	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2
$10/02/03^3$	16.52	11.74	4.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/05/04^3$	16.52	11.06	5.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/05/04^3$	16.52	11.40	5.12	<50	<0.5	<0.5	<0.5	<0.5	0.6
$07/01/04^3$	16.52	11.58	4.94	<50	<0.5	< 0.5	< 0.5	<0.5	0.8
$10/05/04^3$	16.52	11.60	4.92	<50	<0.5	< 0.5	< 0.5	<0.5	<0.5
$01/04/05^3$	16.52	10.95	5.57	<50	<0.5	< 0.5	<0.5	<0.5	<0.5
$04/14/05^3$	16.52	11.10	5.42	<50	<0.5	< 0.5	< 0.5	<0.5	<0.5
$07/08/05^3$	16.52	11.29	5.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/27/05^3$	16.52	11.68	4.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/12/06^3$	16.52	10.83	5.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/13/06^3$	16.52	10.65	5.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS
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2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
$07/13/06^3$	16.52	11.03	5.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/16/06^3$	16.52	11.46	5.06	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/20/07^3$	16.52	11.39	5.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/11/07^3$	16.52	11.27	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/27/07^3$	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/22/07^3$	16.52	4		<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/07	16.52	11.35	5.17						
$01/21/08^3$	16.52	11.16	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/04/08^3$	16.52	11.15	5.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/21/08^3$	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/09/08^3$	16.52	11.49	5.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/21/09^3$	16.52	11.52	5.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/29/09^3$	16.52	11.10	5.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/23/09^3$	16.52	11.20	5.32	<50	< 0.5	< 0.5	<0.5	<0.5	<0.5
01/28/10 ³	16.52	10.41	6.11	<50	<0.5	<0.5	<0.5	<0.5	<0.5
TRIP BLANI	K								
QA									
04/05/02				<50	< 0.50	<0.50	< 0.50	<1.5	<2.5
07/01/02				<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
10/08/02				<100	<2.0	<2.0	<2.0	<5.0	<10
01/11/03				<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
01/21/09 ³ 04/29/09 ³ 07/23/09 ³ 01/28/10 ³ TRIP BLANI QA 04/05/02 07/01/02 10/08/02	16.52 16.52 16.52 16.52	11.52 11.10 11.20 10.41	5.00 5.42 5.32 6.11	<50 <50 <50 <50 <50 <100	<0.5 <0.5 <0.5 <0.5 <0.50 <0.50 <2.0	<0.5 <0.5 <0.5 <0.5 <0.5 <0.50 <0.50 <2.0	<0.5 <0.5 <0.5 <0.5 <0.5 <0.50 <0.50 <2.0	<0.5 <0.5 <0.5 <0.5 <1.5 <1.5 <1.5 <5.0	<(c

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
									_
04/01/03				<50	<0.5	<0.5	<0.5	<1.5	<2.5
QA (cont)									
$07/01/03^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/02/03^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/05/04^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/05/04^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/01/04^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/05/04^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/04/05^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/14/05^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/08/05^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/27/05^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/12/06^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/13/06^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/13/06^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/16/06^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/20/07^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/11/07^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/27/07^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/22/07^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/21/08^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$04/04/08^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC^*	DTW	GWE	TPH-G	\boldsymbol{B}	T	E	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
$07/21/08^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$10/09/08^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/21/09^3$				< 50 ⁵	<0.5	<0.5	<0.5	<0.5	<0.5
$04/29/09^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$07/23/09^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5
$01/28/10^3$				<50	<0.5	<0.5	<0.5	<0.5	<0.5

TABLE 1

GROUNDWATER MONITORING DATA AND ANALTYICAL RESULTS CHEVRON SERVICE STATION 9-3600 2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID/	TOC*	DTW	GWE	TPH-G	\boldsymbol{B}	T	\boldsymbol{E}	\boldsymbol{X}	MTBE
DATE	(ft.)	(ft.)	(ft.)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)

EXPLANATIONS:

TOC = Top of CasingB = Benzene $(\mu g/L)$ = Micrograms per liter(ft.) = FeetT = Toluene-- = Not Measured/Not AnalyzedDTW = Depth to WaterE = EthylbenzeneQA = Quality Assurance/Trip Blank

GWE = Groundwater Elevation X = Xylenes

TPH-G = Total Petroleum Hydrocarbons as Gasoline MTBE = Methyl Tertiary Butyl Ether

- * TOC elevations were surveyed on April 17, 2002, by Morrow Surveying. The elevations are based on a City of Oakland Benchmark No. 37JC, (Benchmark Elevation = 17.68 Feet).
- Well development performed.
- ² MTBE by EPA Method 8260.
- ³ BTEX and MTBE by EPA Method 8260.
- ⁴ DTW measurements were not recorded correctly.
- Laboratory report indicates the original analysis was performed on an instrument where the ending calibration standard failed the method criteria.

The sample was originally analyzed approximately 30 minutes after the LCS/LCSD. The LCS/LCSD showed good GRO recovery and the surrogate recovery for this sample was 85%.

The sample was reanalyzed from a vial with headspace since only 1 vial was submitted. The results for the original and the reanalysis were similar.

The reanalysis was reported.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
MW-1	04/05/02		200	370	<2	<2	10
	07/01/02		190	420	<2	<2	9
	10/08/02		110	360	<2	<2	8
	01/11/03		<100	270	<2	<2	7
	04/01/03		22	210	< 0.5	< 0.5	5
	07/01/03	<50	26	170	<0.5	<0.5	5
	10/02/03	< 500	2,600	9,800	<5	<5	6
	01/05/04	<50	21	140	< 0.5	< 0.5	3
	04/05/04	<50	17	120	<0.5	<0.5	3
	07/01/04	<50	13	130	< 0.5	<0.5	2
	10/05/04	<50	14	130	<0.5	<0.5	2
	01/04/05	<50	<5	<0.5	< 0.5	< 0.5	<0.5
	04/14/05	<50	15	61	<0.5	<0.5	1
	07/08/05	<50	15	71	<0.5	<0.5	1
	10/27/05	<50	10	76	<0.5	<0.5	1
	01/12/06	<50	12	47	<0.5	<0.5	<0.5
	04/13/06	<50	8	36	<0.5	<0.5	0.6
	07/13/06	<50	7	44	<0.5	<0.5	0.7
	10/16/06	<50	6	59	<0.5	<0.5	1
	01/20/07	<50	8	47	<0.5	<0.5	0.8
	04/11/07	<50	9	39	<0.5	<0.5	0.7
	07/27/07	<50	8	56	<0.5	<0.5	0.8

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
NOTAT 4 (1)	10/00/07	450	_		10.5	10.5	0.7
MW-1 (cont)	10/22/07	<50	5	65	<0.5	<0.5	0.7
	01/21/08	<50	5	48	<0.5	<0.5	0.7
	04/04/08	<50	6	53	<0.5	<0.5	0.6
	07/21/08	<50	11	72	<0.5	<0.5	0.7
	10/09/08	<50	5	59	<0.5	<0.5	0.5
	01/21/09	<50	5	31	<0.5	<0.5	0.5
	04/29/09	<50	5	25	<0.5	<0.5	< 0.5
	07/23/09	<50	4 J	30	< 0.5	< 0.5	< 0.5
	01/28/10	<50	11	31	<0.5	<0.5	<0.5
MW-2	04/05/02		<100	<2	<2	<2	<2
	07/01/02		<100	<2	<2	<2	<2
	10/08/02		<100	<2	<2	<2	<2
	01/11/03		<100	<2	<2	<2	<2
	04/01/03	<50	<5	<0.5	<0.5	<0.5	< 0.5
	07/01/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	< 0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/05/04	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/01/04	<50	<5	<0.5	<0.5	<0.5	< 0.5
	10/05/04	<50	<5	<0.5	<0.5	<0.5	< 0.5
	01/04/05	<50	14	87	<0.5	<0.5	2

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
MTAT O (1)	04/14/05	4 50	ZF	-0 F	-0 F	-0 F	√ 0. □
MW-2 (cont)	04/14/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/08/05	<50	< 5	<0.5	<0.5	<0.5	<0.5
	10/27/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/12/06	<50	< 5	<0.5	<0.5	<0.5	<0.5
	04/13/06	<50	<5	<0.5	<0.5	<0.5	< 0.5
	07/13/06	<50	<5	< 0.5	< 0.5	< 0.5	<0.5
	10/16/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/20/07	<50	<2	<0.5	<0.5	<0.5	< 0.5
	04/11/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/25/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/22/07	<50	<2	<0.5	<0.5	<0.5	< 0.5
	01/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/04/08	<50	<2	<0.5	<0.5	<0.5	< 0.5
	07/21/08	<50	<2	< 0.5	< 0.5	< 0.5	< 0.5
	10/09/08	<50	<2	<0.5	< 0.5	< 0.5	< 0.5
	01/21/09	<50	<2	<0.5	<0.5	<0.5	< 0.5
	04/29/09	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/23/09	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/28/10	<50	<2	<0.5	<0.5	<0.5	<0.5
MW-3	04/05/02		<100	<2	<2	<2	<2
	07/01/02		<100	<2	<2	<2	<2

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-3600
2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
MW-3 (cont)	10/08/02		<100	<2	<2	<2	<2
	01/11/03		<100	<2	<2	<2	<2
	04/01/03		<5	<0.5	<0.5	<0.5	<0.5
	07/01/03	<50	<5	2	<0.5	<0.5	<0.5
	10/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/05/04	<50	<5	<0.5	<0.5	<0.5	< 0.5
	04/05/04	<50	<5	0.6	<0.5	<0.5	<0.5
	07/01/04	<50	<5	0.8	< 0.5	<0.5	< 0.5
	10/05/04	<50	<5	<0.5	< 0.5	<0.5	< 0.5
	01/04/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/14/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/08/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/27/05	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/12/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	04/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	07/13/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	10/16/06	<50	<5	<0.5	<0.5	<0.5	<0.5
	01/20/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/11/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/27/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/22/07	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5

TABLE 2

GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-3600

WELL ID	DATE	ETHANOL	TBA	MTBE	DIPE	ETBE	TAME
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)
MW-3 (cont)	04/04/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/21/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	10/09/08	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/21/09	<50	<2	<0.5	<0.5	<0.5	<0.5
	04/29/09	<50	<2	<0.5	<0.5	<0.5	<0.5
	07/23/09	<50	<2	<0.5	<0.5	<0.5	<0.5
	01/28/10	<50	<2	<0.5	<0.5	<0.5	<0.5

2200 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA

EXPLANATIONS:

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

 $(\mu g/L)$ = Micrograms per liter

-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

ATTACHMENT A

Blaine Tech's January 29, 2010 First Quarter 2010 Monitoring Report



January 29, 2010

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

> First Quarter 2010 Monitoring at Chevron Service Station 93600 2200 Telgraph Ave. Oakland, CA

Monitoring performed on January 28, 2010

Blaine Tech Services, Inc. Groundwater Monitoring Event 100128-DR2

This submission covers the routine monitoring of groundwater wells conducted on January 28, 2010 at this location. Three monitoring wells were measured for depth to groundwater (DTW). Three 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.

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

Pott Cin

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

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 detuned 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 # 100128-BRD	Date 1/28/10	Client _ Chiven #9-3600
8	^	
Site 2200 Teligrand	Ave Oakland Ca.	

	ı	1			Thickness	Volume of			Survey	
		Well		Depth to	of	Immiscibles			Point:	
		Size	Sheen /		Immiscible	1	Depth to water	Depth to well bottom (ft.)	TOB or	Notes
Well ID	Time	(in.)	Odor	Liquid (ft.)	Liquid (ft.)	(ml)	(ft.)	bottom (11.)	100	Notes
mw-1	1414	2					10.21	20.10		
mw-2	1411	2					10.23	20,07		
mw-1 mw-2 mw-3	146	2					10.41	20.07	4	
										·
									·	
										<u> </u>

CHEVRON WELL MONITORING DATA SHEET

Project #:	: 100129	e- Dr2		Station #:	9-3606			
Sampler:				Date: 1/28/10				
Weather:	600	e Cl	er	Ambient Air T	emperature:	6007		
Well I.D.	: mw-1			Well Diameter	r: ② 3 4	6 8		
Total We	ell Depth:	20.10		Depth to Water	er: 10.81			
Depth to	Free Produ	uct:		Thickness of F	Free Product (fee	et):		
Reference	ed to:	<pv€< td=""><td>Grade</td><td>D.O. Meter (if</td><td>req'd):</td><td>YSI HACH</td></pv€<>	Grade	D.O. Meter (if	req'd):	YSI HACH		
DTW wit	h 80% Rec	charge [(F	leight of Water	Column x 0.20) + DTW]: 12	2,67		
Purge Metho	Bailer ⊁Disposable Ba	Displacement	Waterra Peristaltic Extraction Pump Other	Other:		Diameter <u>Multiplier</u>		
1.5 1 Case Volum		Specified Volum	$\frac{1}{1} = \frac{4.5}{\text{Calculated Vo}}$	Gals. 1" 2" 3"	0.04 4" 0.16 6" 0.37 Other	0.65 1.47 er radius ² * 0.163		
Time	Temp (°F)	рН	Cond. (mS or as)	Turbidity (NTUs)	Gals. Removed	Observations		
1448	66.3	7.51	923	486	1.5	ODOR		
1453	66.5	7.50	919	569	3.0	e (
1458		7.53	909	712	4.5	ı (
Did well	dewater?	Yes	NO	Gallons actuall	ly evacuated:	4.5		
Sampling	Date: \/	28/10	Sampling Time	e: 1505	Depth to Water	r: 11.44		
	D.: Mw-			Laboratory:	Lancaster Oth			
Analyzed	for: трн-	-G BTEX	MTBE OXYS	Other: Su	CcC			
Duplicate	I.D.:		Analyzed for:			Other:		
D.O. (if re	eq'd):		Pre-purge:	$^{ m mg}/_{ m L}$	Post-purge:	mg/ _L		
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	mV		

CHEVRON WELL MONITORING DATA SHEET

Project #:	100129	2- DAZ		Station #: 9 - 3 100				
Sampler:				Date: 1/28/10				
Weather:				Ambient Air Temperature: 60° 7=				
Well I.D.:				Well Diameter	: ② 3 4	6 8		
Total We	ll Depth:	20.07		Depth to Water	r: 10.23			
Depth to	Free Produ	ict:		Thickness of F	ree Product (fee	et):		
Reference	ed to:	(PVC)	Grade	D.O. Meter (if	req'd):	YSI HACH		
DTW wit	h 80% Rec	harge [(F	Height of Water	Column x 0.20) + DTW]: 1	2.20		
Purge Method: Bailer Waterra Disposable Bailer Peristaltic Positive Air Displacement Extraction Pump Electric Submersible Other				Sampling Method: Bailer				
1 Case Volum	_(Gals.) X	3 ecified Volum	mes = L1,8 Calculated Vo	Gals. 1" 2" 3"	0.04 4" 0.16 6" 0.37 Other	0.65 1.47 radius ² * 0.163		
Time	Temp (°F)	рН	Cond. (mS or us)	Turbidity (NTUs)	Gals. Removed	Observations		
1500	65.4	6.6	1110	217	1.6			
1502	65.6	6.6	1118	396	3.2			
1504	65.5	6.7	1121	502	4.8			
1								
Did well	dewater?	Yes	No	Gallons actuall	ly evacuated:	1.8		
Sampling	Date: 1/28	8/10	Sampling Time	e: 1526	Depth to Water	r: 12.20		
Sample I.	D.: Mw.	-2		Laboratory:	Lancaster Oth			
Analyzed	for: TPH-	-G BTEX	MTBE OXYS	Other: Seec	<i>OC</i>			
Duplicate	I.D.:		Analyzed for:			Other:		
D.O. (if re	 eq'd):		Pre-purge:	$^{mg}/_{\mathrm{L}}$	Post-purge:	mg/ _L		
O.R.P. (if	 req'd):		Pre-purge:	mV	Post-purge:	mV		

CHEVRON WELL MONITORING DATA SHEET

Project #: 100128 - DA 2				Station #: 9 - 3606				
Sampler:	DA			Date: 1/28/10				
Weather: Cluy				Ambient Air Temperature: 60 f				
Well I.D.	: MW-3)		Well Diameter	: (2) 3 4	6 8		
Total We	ll Depth:	20.07		Depth to Wate	r: 10.41			
Depth to	Free Produ	ıct:			ree Product (fe	et):		
Reference	ed to:	RVO	Grade	D.O. Meter (if	req'd):	YSI HACH		
DTW wit	h 80% Red	charge [(H	leight of Water	Column x 0.20) + DTW]: \	2.34		
Purge Method: Bailer Waterra Disposable Bailer Peristaltic Positive Air Displacement Extraction Pump Electric Submersible Other				Sampling Method: Other:	XDisposable Bailer Extraction Port Dedicated Tubing			
1 Case Volum	_(Gals.) X _ ne Sp	3 ecified Volun	$= \frac{4.5}{\text{Calculated Vo}}$	Gals. Solume Well Diamet 1" 2" 3"	er Multiplier Well 0.04 4" 0.16 6" 0.37 Othe	Diameter Multiplier 0.65 1.47 er radius² * 0.163		
Time	Temp (°F)	рН	Cond. (mS or (15)	Turbidity (NTUs)	Gals. Removed	Observations		
1426	69.6	6.8	840	396	1.5	clendy		
14291	69.4	6.7	843	21000	3.0	4		
1432	69.3	6.7	844	71000	4.5	(1		
Did well	dewater?	Yes	No	Gallons actuall	y evacuated:	4.5		
Sampling	Date: Ma	1/28/10	Sampling Time	e: 1440	Depth to Wate	r: ().91		
•			Laboratory: Lancaster Other					
Analyzed	for: TPH-	G BTEX	MTBE OXYS	Other: Se	e CeC			
Duplicate	I.D.:		Analyzed for:		MTBE OXYS	Other:		
D.O. (if re	eq'd):		Pre-purge:	$^{ m mg}/_{ m L}$	Post-purge:	$^{mg}/_{L}$		
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	mV		

012810-13 **CHAIN OF CUSTODY FORM** Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC l of l Chevron Site Number: 93600 ANALYSES REQUIRED Chevron Consultant: CRA H Preservation Codes Chevron Site Global ID: T0600161613 Address: 5900 Hollis St. Suite A Emergyille, H =HCL T= Chevron Site Address: 2200 Telgraph Ave., CAConsultant Contact: Charlotte Evans Thiosulfate GREASE SCREEN EPA 310.1 ALKALINITY Oakland, CA Consultant Phone No. 510-420-3351 N = HNO₃ B = NaOH Chevron PM: AARON COSTA Consultant Project No. 100128- DAZ S = H₂SO₄ O = οō 오 Other ö Chevron PM Phone No.: (925)543-2961 Sampling Company: _Blaine Tech Services STLC 413.1 I.Williams Sampled By (Print): D. Rayngl ☑ Retail and Terminal Business Unit (RTBU) Job 88 ᄪᅋᅁᄑ EPA ☑ Construction/Retail Job. Sampler Signature: 7 Charge Code: NWRTB-0093600-0-OML Lancaster Other Lab Temp. Blank Check Special DRO NWRTB 00SITE NUMBER-0-WBS Temp Instructions METALS CONDUCTIVITY Ž Laboratories Must meet lowest (WBS ELEMENTS: Mg, Mn, 1 detection limits possible 1400 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L for 8260 Compounds Lancaster, PA 1500 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L Lab Contact; Jill Parker EPA6010/7000 TITLE 22 EPA 8260B/GC/MS
TPH-G CL BIEX CL THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT +ATBE 2425 New Holland Pike, SM2510B SPECIFIC CORRECTLY AND COMPLETELY. Lancaster, PA 17601 EPA 6010 Ca, Fe, **EPA 418.1 TRPH** Phone No: EPA150.1 PH (717)656-2300 **EPA 8015B EPA 8015** SAMPLE ID # of Containers Notes/Comment Date Sample Time Container Type Field Point Name Matrix Top Depth (yymmdd) POUP $Q\Lambda$ 1/26 Ucas 14130 X 100128 1505 MW-1 W W-1520 mw-L X mw-3 1440 X W

Company

Company

Company

Date/Time

Date/Time

Turnaround Time: Standard□ 2

Hours□

Intact:

24 Hours□

Sample Integrity: (Check by lab on arrival)

Other□

On Ice:

48 hours□

Temp:

COC#

72

Relinquished By

Relinguished By

Relinquished By

Company

Company

Company

BTS

Date/Time:

Date/Time

Date/Time

1/26/10

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WELLHEAD INSPECTION CHECKLIST

Page _____l of ____

Client Site Address _ Job Number _	Church	#93	600		- a A		Date	1/20	110	
Site Address	2200	Tch	graph A	M. C	Pakland	<u>Ca.</u>				
Job Number	10012	6- DRZ				Techi	nician _.	DR		
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	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
mw-1								×		
par - Z								×	-	
mw-3	X	×								
			`							

NOTES:	MW-Z	2/2	tales smr	oocd,	mm-1	1/2	hbs b	nken.	1/2 4/65	shipped.

SOURCE RECORD BLL OF LADING
FOR NON-HAZARDOUS PURGEWATER RECOVERED
FROM GROUNDWATER WELLS AT CHEVRON
FACILITIES IN THE STATE OF CALIFORNIA. THE NONHAZARDOUS 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:

9-36	00	Havon Costa	
CHEVRON#		Chevron Engineer	
2200 Telegraph	Auc. Ochlan	d Ca.	
street number	street name	city	state

WELL I.D. GALS.	WELL I.D. GALS.
MW-1 14.5	
Mw-2 14.8	
mw-3 14.5	
added equip. rinse water_ / 5 - 0	any other adjustments /
TOTAL GALS. RECOVERED /8.8	loaded onto BTS vehicle #
BTS event#	time date /530 / / 28 //0
signature	
* * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * * *
REC'D AT	time date / / 28 //o
unloaded by signature	

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAM	ME 2200 Teley	mich Au. O.	aklind Ca.	PROJECT NUM	1BER 100128-DA	P.	
EQUIPMENT NAME	EQUIPMENT NUMBER		USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	۷.	INITIALS
Myran L Ultramates	6202729	1/28/10 12100	-	7.01 9.98 3.98 3902	Y	16.2	DA
The dimet-	071100020534	1/28/10/2115	560 55 5,7	558 545	Y		DR
	:			e .			
	: : : : : : : : : : : : : : : : : : : :						
		·					
	- :						

ATTACHMENT B

Lancaster Laboratories' February 12, 2010 Analytical Report



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

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

February 12, 2010

Project: 93600

Samples arrived at the laboratory on Friday, January 29, 2010. The PO# for this group is 0015040460 and the release number is COSTA. The group number for this submittal is 1180611.

Client Sample Description	<u>Lancaster Labs (LLI) #</u>
QA-T-100128 NA Water	5895288
MW-1-W-100128 NA Water	5895289
MW-2-W-100128 NA Water	5895290
MW-3-W-100128 NA Water	5895291

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

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



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

Respectfully Submitted,

Martha L. Seidel Martha L. Seidel Senior Chemist



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Page 1 of 1

Sample Description: QA-T-100128 NA Water

LLI Sample # WW 5895288 LLI Group # 1180611

Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613 QA

Project Name: 93600

Collected: 01/28/2010 14:30 Account Number: 10991

Submitted: 01/29/2010 09:05

Reported: 02/12/2010 at 12:53 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 03/15/2010

TAOQA

CAT No.	Analysis Name	CAS N	As Rec umber Result	Dotostion	Limit of	Dilution
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	L-4 N.D.	0.5	1	1
06054	Methyl Tertiary Butyl Et	her 1634-0)4-4 N.D.	0.5	1	1
06054	Toluene	108-88	3-3 N.D.	0.5	1	1
06054	Xylene (Total)	1330-2	20-7 N.D.	0.5	1	1
GC Vo	latiles SW-	846 8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C	12 n.a.	N.D.	50	100	1

Chevron

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.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	P100401AA	02/09/2010 12:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P100401AA	02/09/2010 12:32	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10033A94A	02/02/2010 20:23	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10033A94A	02/02/2010 20:23	Marie D John	1



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Sample Description: MW-1-W-100128 NA Water

LLI Sample # WW 5895289 LLI Group # 1180611 Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613 MW-1

Project Name: 93600

Collected: 01/28/2010 15:05 by DR Account Number: 10991

Submitted: 01/29/2010 09:05 Chevron

Reported: 02/12/2010 at 12:53 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 03/15/2010

TA001

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	
06059	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
06059	Benzene		71-43-2	N.D.	0.5	1	1
06059	t-Butyl alcohol		75-65-0	11	2	5	1
06059	Ethanol		64-17-5	N.D.	50	250	1
06059	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
06059	Ethylbenzene		100-41-4	2	0.5	1	1
06059	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
06059	Methyl Tertiary Buty	yl Ether	1634-04-4	31	0.5	1	1
06059	Toluene		108-88-3	N.D.	0.5	1	1
06059	Xylene (Total)		1330-20-7	N.D.	0.5	1	1
GC Vo	latiles	SW-846	8015B	ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	2,600	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	D100401AA	02/09/2010 22:23	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D100401AA	02/09/2010 22:23	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10033A94A	02/02/2010 23:32	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10033A94A	02/02/2010 23:32	Marie D John	1



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Page 1 of 1

Sample Description: MW-2-W-100128 NA Water

LLI Sample # WW 5895290 LLI Group # 1180611 Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613 MW-2

Project Name: 93600

Collected: 01/28/2010 15:20 by DR Account Number: 10991

Submitted: 01/29/2010 09:05 Chevron

Reported: 02/12/2010 at 12:53 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 03/15/2010

TA002

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	
06059	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
06059	Benzene		71-43-2	N.D.	0.5	1	1
06059	t-Butyl alcohol		75-65-0	N.D.	2	5	1
06059	Ethanol		64-17-5	N.D.	50	250	1
06059	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
06059	Ethylbenzene		100-41-4	N.D.	0.5	1	1
06059	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
06059	Methyl Tertiary But	yl Ether	1634-04-4	N.D.	0.5	1	1
06059	Toluene		108-88-3	N.D.	0.5	1	1
06059	Xylene (Total)		1330-20-7	N.D.	0.5	1	1
GC Vol	latiles	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 OC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	D100401AA	02/09/2010 21:14	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D100401AA	02/09/2010 21:14	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10033A94A	02/02/2010 23:59	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10033A94A	02/02/2010 23:59	Marie D John	1



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Sample Description: MW-3-W-100128 NA Water

LLI Sample # WW 5895291 LLI Group # 1180611 Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613 MW-3

Project Name: 93600

Collected: 01/28/2010 14:40 by DR Account Number: 10991

Submitted: 01/29/2010 09:05 Chevron

Reported: 02/12/2010 at 12:53 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583 Discard: 03/15/2010

TA003

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	
06059	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
06059	Benzene		71-43-2	N.D.	0.5	1	1
06059	t-Butyl alcohol		75-65-0	N.D.	2	5	1
06059	Ethanol		64-17-5	N.D.	50	250	1
06059	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
06059	Ethylbenzene		100-41-4	N.D.	0.5	1	1
06059	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
06059	Methyl Tertiary But	yl Ether	1634-04-4	N.D.	0.5	1	1
06059	Toluene		108-88-3	N.D.	0.5	1	1
06059	Xylene (Total)		1330-20-7	N.D.	0.5	1	1
GC Vol	latiles	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 OC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	D100401AA	02/09/2010 22:4	6 Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D100401AA	02/09/2010 22:4	6 Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10033A94A	02/03/2010 00:2	6 Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10033A94A	02/03/2010 00:2	6 Marie D John	1



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Quality Control Summary

Client Name: Chevron Group Number: 1180611

Reported: 02/12/10 at 12:53 PM

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 <u>Result</u>	Blank MDL**	Blank <u>LOQ</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: D100401AA	Sample numi	ber(s): 58	395289-589	5291					
t-Amyl methyl ether	N.D.	0.5	1	ug/l	89		77-120		
Benzene	N.D.	0.5	1	ug/l	89		79-120		
t-Butyl alcohol	N.D.	2.	1 5	ug/l	88		73-120		
Ethanol	N.D.	50.	250	ug/l	78		40-158		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	91		76-120		
Ethylbenzene	N.D.	0.5	1 1	ug/l	90		79-120		
di-Isopropyl ether	N.D.	0.5		ug/l	89		71-124		
Methyl Tertiary Butyl Ether	N.D.	0.5	1 1	ug/l	88		76-120		
Toluene	N.D.	0.5		ug/l	88		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	92		80-120		
Batch number: P100401AA	Sample numl	ber(s): 58	395288						
Benzene	N.D.	0.5	1	ug/l	102	101	79-120	1	30
Ethylbenzene	N.D.	0.5	1	ug/l	93	93	79-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	103	102	76-120	1	30
Toluene	N.D.	0.5	1	ug/l	98	99	79-120	1	30
Xylene (Total)	N.D.	0.5	1	ug/l	97	97	80-120	1	30
Batch number: 10033A94A	Sample numl	ber(s): 58	395288-589	5291					
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	109	109	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

Analysis Name	MS <u>%REC</u>	MSD %REC	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP <u>RPD</u>	Dup RPD <u>Max</u>
Batch number: D100401AA	Sample	number(s	5): 5895289	-589529	1 UNSPK	: 5895290			
t-Amyl methyl ether	98	93	75-122	5	30				
Benzene	107	100	80-126	7	30				
t-Butyl alcohol	90	87	67-119	3	30				
Ethanol	124	123	37-164	1	30				
Ethyl t-butyl ether	104	99	74-122	5	30				
Ethylbenzene	109	102	71-134	6	30				
di-Isopropyl ether	107	102	70-129	4	30				
Methyl Tertiary Butyl Ether	103	96	72-126	8	30				
Toluene	110	103	80-125	6	30				
Xylene (Total)	111	103	79-125	8	30				
Batch number: P100401AA Benzene	Sample	number(s	s): 5895288 80-126	UNSPK:	P89516	9			

*- 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.



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Quality Control Summary

Client Name: Chevron Group Number: 1180611

Reported: 02/12/10 at 12:53 PM

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

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	MAX	Conc	Conc	RPD	Max
Ethylbenzene	103		71-134						
Methyl Tertiary Butyl Ether	110		72-126						
Toluene	109		80-125						
Xylene (Total)	107		79-125						

Batch number: 10033A94A Sample number(s): 5895288-5895291 UNSPK: P895284 TPH-GRO N. CA water C6-C12 109 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+5 Oxygenates+ETOH

Batch number: D100401AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5895289	98	93	99	103
5895290	99	94	100	99
5895291	98	93	98	98
Blank	98	90	100	100
LCS	97	91	98	100
MS	98	94	103	102
MSD	99	96	102	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: P100401AA

Baccii Iialib	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5895288	92	91	89	86
Blank	92	88	89	85
LCS	91	93	88	86
LCSD	92	92	89	86
MS	91	92	88	87
Limits:	80-116	77-113	80-113	78-113

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

Batch number: 10033A94A

Trifluorotoluene-F

5895288	84
5895289	99
5895289	99
5895290	84
5895291	84
Blank	84
LCS	95
LCSD	96

*- 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.



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Quality Control Summary

Client Name: Chevron Group Number: 1180611

Reported: 02/12/10 at 12:53 PM

Surrogate Quality Control

MS 93

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.

Chevron Environmental Management Company = 6111 Bollinger Canyon Rd. = Sah Ramon, CA 94583 COC i of I ANALYSES REQUIRED Chevron Site Number: 93600 Chevron Consultant: CRA Preservation Codes Chevron Site Global ID: T0600161613 Address: 5900 Hollis St. Suite A Emeryville, H =HCL T≈ Chevron Site Address: 2200 Telgraph Ave., CAConsultant Contact: Charlotte Evans Thiosulfate GREASE SCREEN ALKALINITY N =HNO₃ B = NaOH Oakland, CA Consultant Phone No. 510-420-3351 OL & S = H2SO4 O = Chevron PM: AARON COSTA Consultant Project No. 100128- DRZ 잎 OXYGENATESK Other STLC (Chevron PM Phone No.: (925)543-2961 Sampling Company: Blaine Tech Services EPA 310.1 413.1 Sampled By (Print): D. Raynel / L. Williams ☑ Retail and Terminal Business Unit (RTBU) Job TLC D EPA ⊠ Construction/Retail Job. Sampler Signature: Other Lab Temp. Blank Check Special Charge Code: NWRTB-0093600-0-OML Lancaster DRO Time Temp. CONDUCTIVITY Instructions NWRTB 00SITE NUMBER-0-WBS å EPA6010/7000 TITLE 22 METALS Laboratories Must meet lowest (WBS ELEMENTS: MTBE Mg, Mn, detection limits possible luco SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L for 8260 Compounds ☑ Lancaster, PA 0. 1500 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L Lab Contact: Jill Parker ETHANOL BTEX [] ¥ ATBE THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT 2425 New Holland Pike, TPH-D SPECIFIC (EPA 8260B/GC/MS TPH-G CI BIEX **EPA 418.1 TRPH** CORRECTLY AND COMPLETELY. Lancaster, PA 17601 EPA150.1 PH□ Phone No: EPA 6010 Ca, (717)656-2300 EPA 8021B EPA 8015B SM2510B **EPA 8015 EPA 8260** 3TEX SAMPLE ID # of Containers Notes/Comment Date Sample Time Container Type Top Depth Field Point Name Matrix (vymmdd) 2 Itch was X PALOT QA 100128 14130 1505 MW-1 W × W 1520 mw-2 X x 1440 mw.3 W Date/Time Turnaround Time: Relinguished By Company Date/Time: Relinquished To Company Standard □ 24 Hours□ 72 48 hours□ BTS 1/26/10 1515 Hours□ Other□ Reinquished To Sample Integrity: (Check by lab on arrival) Company Relinguished By Company On loe: ____ Temp: 0 7-3.4.(1/28/10 1607 Date/Time, Relinquished By Date/Time Relinguished To Company Company 1/14/10/040\$

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
С	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)	I	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
	\ /		3 1

- < 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.

Inorganic Qualifiers

- ppb parts per billion
- **Dry weight**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:

X,Y.Z

Organic	Qua	lifiers
o.gaino	~ uu	

Defined in case narrative

A	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Е	Estimated due to interference
С	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	N	Spike amount not within control limits
Ε	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
J	Estimated value	U	Compound was not detected
N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Ρ	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		

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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