

Catalina Espino Devine Project Manager Marketing Business Unit Chevron Environmental Management Company 6101 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 790-3949 espino@chevron.com

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

Re: Chevron Service Station No. 93600

2200 Telegraph Avenue

Oakland, CA

RECEIVED

By Alameda County Environmental Health at 3:19 pm, Jun 14, 2013

I have reviewed the attached report titled Annual 2013 Groundwater Monitoring and Sampling Report.

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,

Catalina Espino Devine Project Manager

Attachment: Report



5900 Hollis Street, Suite A Emeryville, California 94608

Telephone: (510) 420-0700 Fax: (510) 420-9170

http://www.craworld.com

June 10, 2013 Reference No. 311965

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

Re: Annual 2013 Groundwater Monitoring and Sampling Report

Chevron Service Station 93600 2200 Telegraph Avenue Oakland, California

Fuel Leak Case No. RO00002435

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Annual 2013 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (EMC). Groundwater monitoring and sampling was performed by Blaine Tech Services (Blaine Tech) of San Jose, California and their *Second Quarter 2013 Monitoring* report is included as Attachment A. Groundwater monitoring and sampling data are presented in Table 1. Eurofins Lancaster Laboratories' *Analytical Results* report is included as Attachment B.

RESULTS OF ANNUAL 2013 EVENT

On May 1, 2013, Blaine Tech monitored and sampled the site wells per the established schedule. Results of the current monitoring event indicate the following:

Groundwater Flow Direction SoutheastHydraulic Gradient 0.01

Approximate Depth to Water
 10.5 to 11.5 feet below grade

Equal Employment Opportunity Employer



June 10, 2013 Reference No. 311965 -2-

Results of the current sampling event are presented below in Table A:

	TABLE A: GROUNDWATER ANALYTICAL DATA											
					Total							
	ТРНд	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE						
Well ID (μg/L) (μg/L) (μg/L) (μg/L) (μg/L) (μg/L)												
WQOs/ESLs	100	1.0	40	30	20	5						
MW-1	1,500	<0.5	<0.5	<0.5	<0.5	38						
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						
Note:												

- Indicates constituent was not detected at or above laboratory reporting limit. Bold indicates results above the drinking water environmental screening level (ESL).
- Water Quality Objective (Regional Water Quality Control Board San Francisco Bay Region, Water Quality Control Plan (Basin Plan): dated December 31, 2011.)
- ESL Environmental Screening Level (Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007, revised May 2013.)

CONCLUSIONS AND RECOMMENDATIONS

The results of ongoing groundwater monitoring and sampling at the site indicate the following:

- Dissolved-phase petroleum hydrocarbon concentrations detected in well MW-1 are low and decreasing
- All concentrations are below historical maximums

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring

Blaine Tech will monitor and sample site wells per the established schedule. CRA will submit a groundwater monitoring and sampling report.

Closure Request

EMC and CRA are awaiting a response to CRA's closure request that was submitted in the Subsurface Investigation Report and Case Closure Request report dated June 8, 2012.



June 10, 2013 Reference No. 311965

Please contact Nathan Lee at (925) 849-1003 if you have any questions or require additional information.

Regards,

CONESTOGA-ROVERS & ASSOCIATES

Nathan S. Lee, PG 8486

NL/aa/12 Encl.

Figure 1 Vicinity Map

Figure 2 Groundwater Elevation and Hydrocarbon Concentration Map

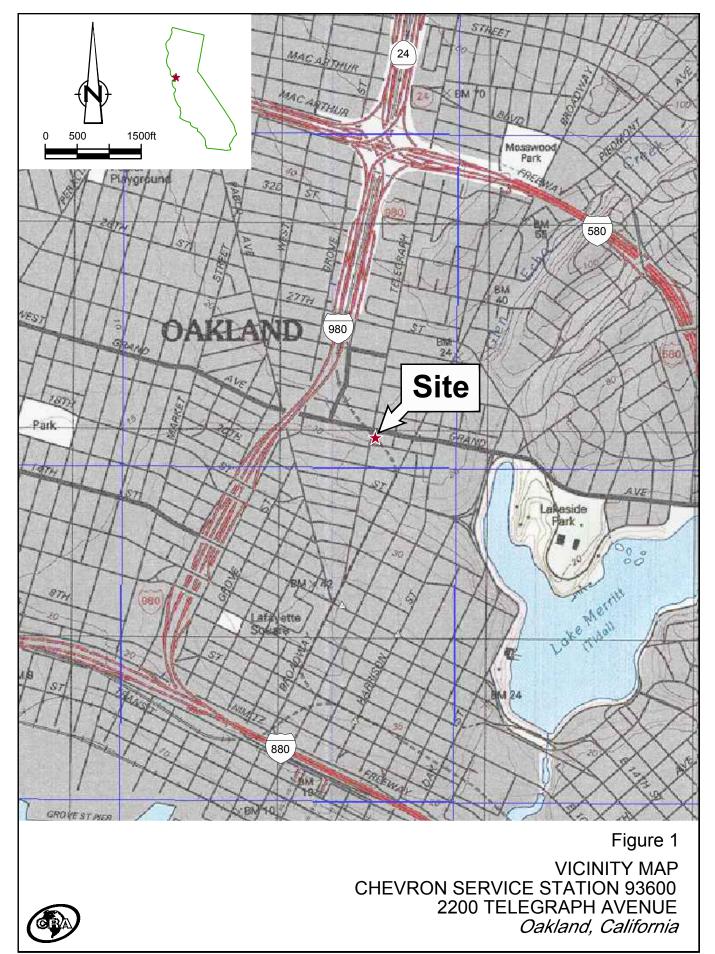
Table 1 Groundwater Monitoring and Sampling Data

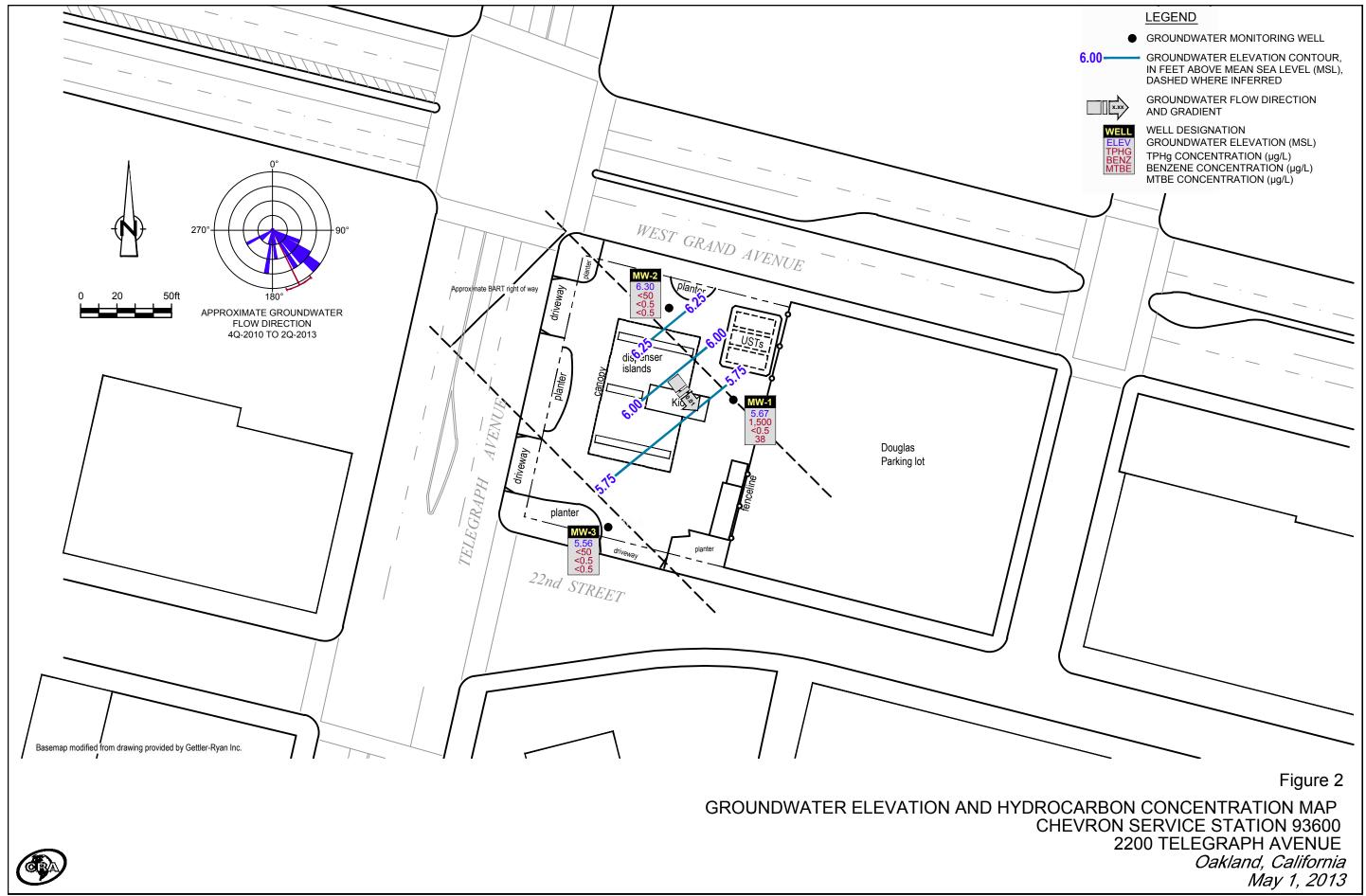
Attachment A Monitoring Data Package
Attachment B Laboratory Analytical Report

cc: Ms. Catalina Espino Devine, Chevron (electronic copy)

Mr. George Kim, Property Owner

FIGURES





TABLE

TABLE 1 Page 1 of 7

						HYDROCARBONS	NS PRIMARY VOCS				Ī		ADD	OITIONAL V	OCS	
						III DIG CIMBONO		110					1.100	I I I I I I I I I I I I I I I I I I I	2.20	
Lo	cation	Date	TOC	DTW	GWE	ТРН-GRО	В	T	E	X	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
		Units	ft	ft	ft-amsl	μg/L	μg/L	μg/L	μg/L	μg/L	μ <i>g</i> /L	μg/L	μg/L	μg/L	μg/L	µg∕L
	IW-1	$04/05/2002^1$	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370	-	200	<2	<2	10
	IW-1	07/01/2002	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	420/370	-	190	<2	<2	9
	IW-1	10/08/2002	17.07	12.20	4.87	1,400	9.2	<10	75	20	360/440	-	110	<2	<2	8
	IW-1	01/11/2003	17.07	11.13	5.94	1,600	7.1	0.51	53	13	280/270	-	<100	<2	<2	7
	IW-1	04/01/2003	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210	-	22	<0.5	<0.5	5
	IW-1	07/01/2003 ³	17.07	11.95	5.12	2,000	4	<0.5	31	12	170	<50	26	<0.5	<0.5	5
	IW-1	10/02/2003 ³	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800	<500	2,600	<5	<5	6
N	IW-1	01/05/2004 ³	17.07	11.05	6.02	1,700	3	< 0.5	27	4	140	<50	21	< 0.5	< 0.5	3
N	IW-1	$04/05/2004^3$	17.07	11.63	5.44	1,500	2	< 0.5	21	0.6	120	<50	17	< 0.5	< 0.5	3
N.	IW-1	$07/01/2004^3$	17.07	12.08	4.99	1,500	1	< 0.5	3	< 0.5	130	<50	13	< 0.5	< 0.5	2
N.	IW-1	$10/05/2004^3$	17.07	12.21	4.86	1,400	< 0.5	< 0.5	1	0.5	130	< 50	14	< 0.5	<0.5	2
N.	IW-1	$01/04/2005^3$	17.07	11.15	5.92	1,500	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	<5	< 0.5	<0.5	< 0.5
N	IW-1	$04/14/2005^3$	17.07	11.20	5.87	2,100	< 0.5	< 0.5	4	0.5	61	<50	15	< 0.5	< 0.5	1
N	IW-1	$07/08/2005^3$	17.07	11.38	5.69	1,800	< 0.5	< 0.5	0.8	< 0.5	71	<50	15	< 0.5	< 0.5	1
N	1W-1	$10/27/2005^3$	17.07	12.24	4.83	800	< 0.5	< 0.5	< 0.5	< 0.5	76	<50	10	< 0.5	<0.5	1
N	1W-1	$01/12/2006^3$	17.07	11.10	5.97	1,600	< 0.5	< 0.5	4	< 0.5	47	<50	12	< 0.5	< 0.5	< 0.5
N	1W-1	$04/13/2006^3$	17.07	10.81	6.26	1,500	< 0.5	< 0.5	1	< 0.5	36	<50	8	< 0.5	< 0.5	0.6
N	1W-1	$07/13/2006^3$	17.07	11.18	5.89	990	< 0.5	< 0.5	< 0.5	< 0.5	44	<50	7	< 0.5	<0.5	0.7
N	1W-1	$10/16/2006^3$	17.07	12.18	4.89	780	< 0.5	< 0.5	< 0.5	< 0.5	59	<50	6	< 0.5	<0.5	1
N	1W-1	$01/20/2007^3$	17.07	11.91	5.16	890	< 0.5	< 0.5	< 0.5	< 0.5	47	<50	8	< 0.5	<0.5	0.8
N	1W-1	$04/11/2007^3$	17.07	11.87	5.20	1,900	< 0.5	< 0.5	4	< 0.5	39	<50	9	< 0.5	<0.5	0.7
M	IW-1	$07/27/2007^3$	17.07	11.91	5.16	1,500	< 0.5	< 0.5	0.6	< 0.5	56	< 50	8	< 0.5	< 0.5	0.8
M	IW-1	$10/22/2007^3$	17.07	-	-	610	< 0.5	< 0.5	< 0.5	< 0.5	65	<50	5	<0.5	<0.5	0.7
M	IW-1	11/26/2007	17.07	11.96	5.11	-	-	-	-	-	-	-	-	-	-	-
N	1W-1	$01/21/2008^3$	17.07	11.78	5.29	1,100	< 0.5	< 0.5	0.8	< 0.5	48	<50	5	<0.5	<0.5	0.7
N	1W-1	$04/04/2008^3$	17.07	11.83	5.24	1,600	< 0.5	< 0.5	< 0.5	< 0.5	53	<50	6	<0.5	<0.5	0.6
M	IW-1	$07/21/2008^3$	17.07	12.10	4.97	950	< 0.5	< 0.5	< 0.5	< 0.5	72	<50	11	<0.5	<0.5	0.7

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					HYDROCARBONS	NS PRIMARY VOCS						ADL	OITIONAL V	'OCS	
Location	Date Units	TOC ft	DTW ft	GWE ft-amsl	ת T TPH-GRO	В µg/L	Τ μg/L	E µg/L	X μg/L	" ™TBE by SW8260	π FTHANOL	h &r TBA	μ⊗⁄L	μ⊗μ LETBE	TAME
MW-1	10/09/2008 ³	17.07	12.17	4.90	960	< 0.5	<0.5	< 0.5	<0.5	59	<50	5	<0.5	< 0.5	0.5
MW-1	$01/21/2009^3$	17.07	12.15	4.92	840	<0.5	<0.5	<0.5	<0.5	31	<50	5	<0.5	<0.5	0.5
MW-1	04/29/2009	17.07	11.68	5.39	1,800	<0.5	<0.5	3	<0.5	25	<50	5	<0.5	<0.5	<0.5
MW-1	07/23/2009 ³	17.07	11.85	5.22	1,900	<0.5	<0.5	<0.5	<0.5	30	<50	4 J	<0.5	<0.5	<0.5
MW-1	01/28/2010	17.07	10.81	6.26	2,600	<0.5	<0.5	2	<0.5	31 59	<50	11	<0.5 <0.5	<0.5	<0.5
MW-1	07/22/2010	17.07	11.76	5.31	4,200	0.5 J	<0.5		<0.5		<50	9		<0.5	0.6 J
MW-1	01/20/2011	17.07	11.33	5.74	2,500	<0.5	<0.5	2	<0.5	30	<50	4 J	<0.5	<0.5	<0.5
MW-1	07/18/2011	17.07	11.41	5.66	2,200	<0.5	<0.5	4	<0.5	55 2 2	<50	5	<0.5	<0.5	0.5 J
MW-1	04/02/2012	17.07	10.76	6.31	1,600	<0.5	<0.5	2	<0.5	23	<50	3 J	<0.5	<0.5	<0.5
MW-1	05/01/2013	17.07	11.40	5.67	1,500	<0.5	<0.5	<0.5	<0.5	38	<50	<2	<0.5	<0.5	<0.5
MW-2	$04/05/2002^1$	16.82	11.17	5.65	<50	<0.50	< 0.50	< 0.50	<1.5	<2/<2.5	_	<100	<2	<2	<2
MW-2	07/01/2002	16.82	11.36	5.46	<50	< 0.50	0.57	0.52	<1.5	<2.5/<2	_	<100	<2	<2	<2
MW-2	10/08/2002	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	< 5.0	<10/<2	_	<100	<2	<2	<2
MW-2	01/11/2003	16.82	10.94	5.88	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2	_	<100	<2	<2	<2
MW-2	04/01/2003	16.82	11.03	5.79	<50	< 0.5	< 0.5	< 0.5	<1.5	<0.5/<2.5	<50	<5	< 0.5	<0.5	< 0.5
MW-2	$07/01/2003^3$	16.82	11.30	5.52	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<50	<5	< 0.5	<0.5	< 0.5
MW-2	$10/02/2003^3$	16.82	11.63	5.19	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	< 0.5	< 0.5
MW-2	$01/05/2004^3$	16.82	10.82	6.00	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	< 0.5	< 0.5
MW-2	$04/05/2004^3$	16.82	11.21	5.61	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	<5	< 0.5	<0.5	< 0.5
MW-2	$07/01/2004^3$	16.82	11.46	5.36	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	<5	< 0.5	<0.5	< 0.5
MW-2	$10/05/2004^3$	16.82	11.57	5.25	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	<0.5	< 0.5
MW-2	$01/04/2005^3$	16.82	10.87	5.95	<50	0.5	<0.5	8	0.9	87	<50	14	< 0.5	< 0.5	2
MW-2	$04/14/2005^3$	16.82	10.72	6.10	<50	<0.5	<0.5	< 0.5	<0.5	< 0.5	<50	<5	< 0.5	<0.5	< 0.5
MW-2	$07/08/2005^3$	16.82	11.16	5.66	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	< 0.5	< 0.5
MW-2	$10/27/2005^3$	16.82	11.59	5.23	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	< 0.5	<0.5
MW-2	$01/12/2006^3$	16.82	10.68	6.14	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	< 0.5	< 0.5	< 0.5

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					HYDROCARBONS	NS PRIMARY VOCS				1		ADD	ITIONAL V	OCS	
		TO G	DOTA	CME	TPH-GRO					MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
Location	Date	TOC	DTW	GWE		В µ g/L	T µg/L	E µg/L	X μg/L	μg/L	μg/L	μg/L	<u>β</u> μg/L	μ _g /L	μ _g /L
	Units	ft	ft	ft-amsl	μÿL	μgr	μgr	μgL	μgr	μχι	μχι	μyr	μgr	μχι	μgr
MW-2	04/13/2006 ³	16.82	10.37	6.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5
MW-2	$07/13/2006^3$	16.82	10.68	6.14	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<50	<5	< 0.5	<0.5	< 0.5
MW-2	$10/16/2006^3$	16.82	11.48	5.34	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<5	<0.5	<0.5	<0.5
MW-2	$01/20/2007^3$	16.82	11.27	5.55	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	$04/11/2007^3$	16.82	11.20	5.62	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	<0.5	< 0.5	<0.5
MW-2	$07/25/2007^3$	-	-	-	-	-	-	-	-	-	<50	<2	< 0.5	< 0.5	<0.5
MW-2	$07/27/2007^3$	16.82	11.27	5.55	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
MW-2	$10/22/2007^3$	16.82	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	11/26/2007	16.82	11.31	5.51	-	-	-	-	-	-	-	-	-	-	-
MW-2	$01/21/2008^3$	16.82	11.08	5.74	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	<0.5	< 0.5
MW-2	$04/04/2008^3$	16.82	11.12	5.70	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	$07/21/2008^3$	16.82	11.56	5.26	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	$10/09/2008^3$	16.82	11.73	5.09	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	$01/21/2009^3$	16.82	11.55	5.27	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	04/29/2009	16.82	11.06	5.76	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	$07/23/2009^3$	16.82	11.30	5.52	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	01/28/2010	16.82	10.23	6.59	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	07/22/2010	16.82	11.03	5.79	<50	<0.5	< 0.5	<0.5	< 0.5	< 0.5	<50	<2	<0.5	< 0.5	<0.5
MW-2	01/20/2011	16.82	10.52	6.30	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	07/18/2011	16.82	10.61	6.21	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	<50	<2	< 0.5	< 0.5	< 0.5
MW-2	04/02/2012	16.82	9.86	6.96	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50	<2	< 0.5	< 0.5	< 0.5
MW-2	05/01/2013	16.82	10.52	6.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3	$04/05/2002^1$	16.52	11.29	5.23	<50	< 0.50	0.59	< 0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2
MW-3	07/01/2002	16.52	11.55	4.97	<50	< 0.50	0.60	< 0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2
MW-3	10/08/2002	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<2/<10	-	<100	<2	<2	<2
MW-3	01/11/2003	16.52	11.09	5.43	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2

TABLE 1 Page 4 of 7

					HYDROCARBONS	NS PRIMARY VOCS						ADD	OITIONAL V	OCS	1
Location	Date Units	TOC	DTW	GWE	π TPH-GRO	B µg/L	T μg/L	E μg/L	X μg/L	π MTBE by SW8260	דא ETHANOL	μ⊗/Γ ΑΒΑ	DIPE π×ΣΓ	μ⊗/Γ	Т%П ТАМЕ
	Units	ft	ft	ft-amsl	PyL	PyL	μÿL	μÿL	PyL	PyE	μyŁ	PyL	PyL	μyL	PyL
MW-3 MW-3	04/01/2003 07/01/2003 ³ 10/02/2003 ³	16.52 16.52 16.52	11.25 11.42 11.74	5.27 5.10 4.78	<50 <50 <50	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<1.5 <0.5 <0.5	<0.5/<2.5 2 <0.5	<50 <50	<5 <5 <5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5
MW-3 MW-3	$01/05/2004^3$ $04/05/2004^3$	16.52 16.52	11.06 11.40	5.46 5.12	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 0.6	<50 <50	<5 <5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3 MW-3	$07/01/2004^3$ $10/05/2004^3$	16.52 16.52	11.58 11.60	4.94 4.92	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	0.8 <0.5	<50 <50	<5 <5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	$01/04/2005^3$	16.52	10.95	5.57	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	< 5	<0.5	<0.5	<0.5
MW-3 MW-3	$04/14/2005^3$ $07/08/2005^3$	16.52 16.52	11.10 11.29	5.42 5.23	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<5 <5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	10/27/2005 ³	16.52	11.68	4.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5
MW-3 MW-3	$01/12/2006^3$ $04/13/2006^3$	16.52 16.52	10.83 10.65	5.69 5.87	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<5 <5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	07/13/2006 ³	16.52	11.03	5.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5
MW-3 MW-3	$10/16/2006^3$ $01/20/2007^3$	16.52 16.52	11.46 11.39	5.06 5.13	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<5 <2	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	$04/11/2007^3$	16.52	11.27	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3 MW-3	$07/27/2007^3$ $10/22/2007^3$	16.52 16.52	11.38	5.14	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<2 <2	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	11/26/2007	16.52	11.35	5.17	-	-	-	-	-	-	-	-	-	-	-
MW-3 MW-3	$01/21/2008^3$ $04/04/2008^3$	16.52 16.52	11.16 11.15	5.36 5.37	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<2 <2	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	$07/21/2008^3$	16.52	11.13	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3	$10/09/2008^3$ $01/21/2009^3$	16.52	11.49	5.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3 MW-3	01/21/2009 04/29/2009	16.52 16.52	11.52 11.10	5.00 5.42	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<50 <50	<2 <2	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
MW-3	$07/23/2009^3$	16.52	11.20	5.32	<50	<0.5	<0.5	<0.5	< 0.5	<0.5	<50	<2	<0.5	<0.5	<0.5

TABLE 1 Page 5 of 7

					HYDROCARBONS	NS PRIMARY VOCS						ADD	OITIONAL V	OCS	
Location	Date	тос	DTW	GWE	π TPH-GRO	B µg/L	T µg/L	E µg/L	X µg/L	MTBE by SW8260	Τ⁄εΤΗΑΝΟL	µg∕г 11ВА	µ⊗/L	π&T ETBE	T∕Sπ TAME
	Units	ft	ft	ft-amsl	μÿL	μgL	μgr	μyL	μyL	μgr	μyL	μgr	μgr	μyL	μgL
MW-3 MW-3	01/28/2010 07/22/2010 01/20/2011	16.52 16.52 16.52	10.41 10.91 10.55	6.11 5.61 5.97	<50 <50 <50	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 1 <0.5	<50 <50 <50	<2 <2 <2	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5	<0.5 <0.5 <0.5
MW-3	07/18/2011	16.52	10.43	6.09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3	04/02/2012	16.52	10.22	6.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3	05/01/2013	16.52	10.96	5.56	<50	<0.5	<0.5	<0.5	<0.5	<0.5	< 50	<2	<0.5	<0.5	<0.5
Trip Blank	04/05/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-
Trip Blank	07/01/2002	-	-	-	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	-	-	-	-	-
Trip Blank	10/08/2002	-	-	-	<100	<2.0	<2.0	<2.0	< 5.0	<10	-	-	-	-	-
Trip Blank	01/11/2003	-	-	-	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5	-	-	-	-	-
Trip Blank	04/01/2003	-	-	-	<50	<0.5	< 0.5	<0.5	<1.5	<2.5	-	-	-	-	-
Trip Blank	07/01/2003 ³	-	-	-	<50	<0.5	< 0.5	< 0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	10/02/2003 ³	-	-	-	<50	<0.5	<0.5	< 0.5	< 0.5	<0.5	-	-	-	-	-
Trip Blank	01/05/2004 ³	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-	-	-	-	-
Trip Blank	04/05/2004 ³	-	-	-	<50	<0.5	<0.5	< 0.5	< 0.5	<0.5	-	-	-	-	-
Trip Blank	07/01/2004 ³	-	-	-	<50	< 0.5	< 0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	10/05/2004 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$01/04/2005^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$04/14/2005^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$07/08/2005^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$10/27/2005^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$01/12/2006^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$04/13/2006^3$ $07/13/2006^3$	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	$10/16/2006^3$	-	-	-	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	-	-	-	-	-
Trip Blank Trip Blank	$01/20/2007^3$	-	-	-	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	-	-	-	-	-
rrip biank	01/20/2007	-	-	-	\30	~0. 5	~0. 5	~0. 5	~0.5	~0. 5	-	-	-	-	-

TABLE 1 Page 6 of 7

GROUNDWATER MONITORING AND SAMPLING DATA FORMER CHEVRON SERVICE STATION 93600 2200 TELEGRAPH AVE OAKLAND, CALIFORNIA

					HYDROCARBONS		PR	RIMARY V	/OCS			ADD	OITIONAL V	'OCS	
Location	Date	тос	DTW	GWE	трн-ско	В	T	E	X	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	μg/L	µg∕L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
Trip Blank Trip Blank	04/11/2007 ³ 07/27/2007 ³	-	-	-	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	-	-	-	-	-
Trip Blank	$10/22/2007^3$	_	_	_	<50	<0.5	<0.5	<0.5	<0.5	<0.5	_	_	_	_	_
Trip Blank	$01/21/2008^3$	_	_	_	<50	<0.5	<0.5	<0.5	<0.5	<0.5	_	_	_	_	_
Trip Blank	$04/04/2008^3$	_	_	_	<50	<0.5	<0.5	<0.5	<0.5	<0.5	_	_	_	_	_
Trip Blank	$07/21/2008^3$	_	_	_	<50	<0.5	<0.5	<0.5	<0.5	<0.5	_	_	_	_	_
Trip Blank	10/09/2008 ³	_	_	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	_	_	_	-	_
Trip Blank	$01/21/2009^3$	_	_	-	< 50 ⁵	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	_	_	_	-	-
Trip Blank	04/29/2009	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-	-	-	-	-
Trip Blank	$07/23/2009^3$	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-	-	-	-	-
Trip Blank	01/28/2010	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
Trip Blank	07/22/2010	_	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
Trip Blank	01/20/2011	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
Trip Blank	07/18/2011	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-	-	-	-	-
Trip Blank	04/02/2012	-	-	-	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	-	<2	< 0.5	<0.5	<0.5
Trip Blank	05/01/2013	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<2	<0.5	<0.5	<0.5

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

 μ g/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

TABLE 1 Page 7 of 7

GROUNDWATER MONITORING AND SAMPLING DATA FORMER CHEVRON SERVICE STATION 93600 2200 TELEGRAPH AVE OAKLAND, CALIFORNIA

					HYDROCARBONS		PR	IMARY V	OCS			ADD	ITIONAL V	'OCS	
Location	Date	тос	DTW	GWE	TPH-GRO	В	T	E	X	MTBE by SW8260	ETHANOL	TBA	ЭШС	ETBE	ТАМЕ
	Units	ft	ft	ft-amsl	μ <i>g</i> /L	μg/L	μg/L	μg/L	μg/L	µg∕L	µg∕L	μg/L	µg∕L	μ <i>g/</i> L	µg∕L

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

MTBE = Methyl tert butyl ether

TBA = Tert-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-butyl ethyl ether

TAME = Tert-amyl methyl ether

-- = Not available / not applicable

x = Not detected above laboratory method detection limit

J = Estimated concentration

- 3 BTEX and MTBE by EPA Method 8260.
- 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.

ATTACHMENT A

MONITORING DATA PACKAGE



May 7, 2013

Chevron Environmental Management Company Catalina Devine 6111 Bollinger Canyon Rd. San Ramon, CA 94583

> Second Quarter 2013 Monitoring at Chevron Service Station 93600 2200 Telgraph Ave. Oakland, CA

Monitoring performed on May 1, 2013

Blaine Tech Services, Inc. Groundwater Monitoring Event 130501-JO2

This submission covers the routine monitoring of groundwater wells conducted on May 1, 2013 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. 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 Blaine Tech of San Jose, California.

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

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

Please call if you have any questions.

Sincerely,

Dustin Becker

Blaine Tech Services, Inc. Senior Project Manager

200

attachments: SOP

Well Gauging Sheet

Individual Well Monitoring Data Sheets

Chain of Custody

Wellhead Inspection Form

Bill of Lading

cc: CRA

Attn: Nathan Lee 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 product.

TRADITIONAL PURGING & SAMPLING

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.

Sample Collection

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.

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.

Dissolved Oxygen Measurements

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

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.

Oxidation Reduction Potential Measurements (ORP)

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

LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP

Calibration

Calibrate YSI Flow Cell as per manufacturer's specifications. Thoroughly rinse probe and cup between parameters. Calibration order as follows:

- 1. pH (use 3-point calibration of 7, 4, 10)
- 2. Oxygen Reduction Potential (ORP)
- 3. Specific Conductance
- 4. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

Purging & Sampling Collection

- 1. Insert new bladder into Sample-Pro pump housing.
- 2. Remove dedicated PE tubing from the well or start with new PE tubing cut to the required length.
- 3. Attach the PE tubing to the Sample-Pro Bladder Pump.
- 4. Gently lower the Sample-Pro Bladder Pump, and PE tubing into the well, placing the Sample-Pro Bladder Pump intake at the center of the screened interval. Take care to minimize disturbance to the water column.
- 5. Direct effluent line into YSI 556 Flow Cell.
- 6. Set Sample-Pro Bladder Pump speed at 100 500 ml/min.
- 7. Collect water quality parameter measurements for temperature, pH, conductivity, turbidity, DO and ORP every 3-5 minutes.
- 8. Monitor drawdown during purging with electronic water level meter. Record water level with each parameter measurement. MAXIMUM DRAWDOWN IS 0.33 FEET.
- 9. Collect parameter measurements until stability is achieved. Stability is defined as three consecutive measurements where:

Temp \pm 1 ° Celsius pH \pm 0.1 Conductivity \pm 3% Turbidity \pm 10% NTU DO \pm 0.3 mg/l ORP \pm 10 Mv

- 10. Sample may be collected once stability is achieved and at least one system volume of water removed from the well.
- 11. Disconnect effluent line from YSI 556 Flow Cell.
- 12. Sample through effluent line while maintaining constant flow rate.
- 13. Remove Sample-Pro Bladder Pump, and PE tubing from well.
- 14. Detach and reinstall dedicated PE tubing in well.

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 or Non-Hazardous Waste Manifest to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility

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.

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. Field documentation is contemporaneous.

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 such as hose reels, pumps and bailers 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. 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.

FERROUS IRON MEASUREMENTS

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

WELL GAUGING DATA

Proje	ct#_\2	0501-JUZ	Date	5-1-13	Client	Chevry
Site_	2200	Telegraph	Ave	Oatland c	1.	
	4.5					

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	of Immiscible	Depth to water	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1342	2				11.46	20.02		
MW-Z	1339	2				10.5Z	20.01		
MW-2 MW-3	1335	2				10.5Z 10.96	20.07 20.01 20.00)	

					1. 1.				
	-			***************************************					

CHEVRON WELL MONITORING DATA SHEET

		CILLY	CON WEDE IN	OMIOMING	DAIASHEE	ı
Project #	: 13050	1 -Ja		Station #: 9_	3600	
Sampler:	Jo			Date: 5 - 1		
Weather:	clear			Ambient Air 7	Cemperature:	73°F
Well I.D.				Well Diameter	_	6 8
Total We	ell Depth:	20	.62	Depth to Wate	er: 11.40	Service and the service and th
Depth to	Free Produ		digital according	Thickness of I	Free Product (fe	et):
Referenc	ed to:	ЮO	Grade	D.O. Meter (if		YSI HACH
DTW wit	th 80% Red	charge [(F	Height of Water	Column x 0.20)) + DTW]:	13.12
Purge Meth	Bailer Disposable Ba	Displacement	Waterra Peristaltic Extraction Pump Other	Sampling Method	Bailer Disposable Bailer Extraction Port Dedicated Tubing	_
\.4 1 Case Volur	_(Gals.) X _ ne Sp	3 ecified Volun	= <mark>4.2</mark> nes Calculated Vo	Gals. Well Diame 1" 2" 3"	ter Multiplier Well 0.04 4" 0.16 6" 0.37 Other	Diameter Multiplier 0.65 1.47 er radius ² * 0.163
Time	Temp (°F)	pН	Cond. (mS or (uS)	Turbidity (NTUs)	Gals. Removed	Observations
1422	68.(7.13	893	71000	1.4	
1424	68.0	7.1[897	7000	2.8	
1426	68.0	7.10	894	71000	4.2	
Did well	dewater?	Yes	No	Gallons actual	ly evacuated:	4.2
Sampling	Date: 5.	-1-13	Sampling Time	e: 1430	Depth to Wate	r: 12.07
Sample I.	D.: MW	1 -		Laboratory:	(Lancaster) Ot	her
Analyzed	for: трн-	-G BTEX	MTBE OXYS	Other: See	2 (80	
Duplicate	I.D.:		Analyzed for:	ТРН-С ВТЕХ	MTBE OXYS	Other:
D.O. (if r	eq'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

					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	WINE DELLINE	
Project #:	13050	01-102		Station	1#: 9-	3685	
Sampler:					\$-1-0		
Weather:	clear			Ambie	nt Air T	emperature:	73°F
Well I.D.	: Mw - Z	•		Well D	Diameter:	: 2 3 4	6 8
Total We	ll Depth:	26.	, O(Depth	to Water	r: 10.52	The second secon
Depth to	Free Produ	ict:	Emmorantiques	Thickn	ness of F	ree Product (fee	et):
Reference	ed to:	\mathbb{C}	Grade	D.O. M	leter (if	req'd):	YSI HACH
DTW wit	h 80% Rec	harge [(H	leight of Water	Columi	n x 0.20)) + DTW]:	12.41
Purge Metho	od: Bailer Disposable Ba Positive Air D Electric Subm	isplacement	g Method:	Bailer Disposable Bailer Extraction Port Dedicated Tubing	>		
1.5 1 Case Volum	_(Gals.) X _ ne Spe	3 ecified Volum	= 4.5 nes Calculated Vo	Gals.	Well Diamete 1" 2" 3"	er Multiplier Well 0.04 4" 0.16 6" 0.37 Othe	Diameter Multiplier 0.65 1.47 radius ² * 0.163
Time	Temp (°F)	рН	Cond. (mS or (\omega S))	1	bidity ΓUs)	Gals. Removed	Observations
1409	68.2	6.93	1104	>10		1.5	Obstitutions
1411	68.1	6.94	1107	>10		3.0	
1413	69.6	6.94	1102	>100	00	4.5	
	N.						
Did well	dewater?	Yes	<u>6</u>	Gallon	s actuall	y evacuated:	4.5
Sampling	Date: 5	-1-13	Sampling Time	e: 14	15	Depth to Water	r: 10.66
Sample I.	D.: Mh	1-2		Labora		Lancaster Otl	her
Analyzed	for: TPH-	-G BTEX	MTBE OXYS	Other:	50	ee Coc	
Duplicate	: I.D.:		Analyzed for:	TPH-G		MTBE OXYS	Other:
D.O. (if r	eq'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

						Д.				
Project #	: 1308	501·J02	***************************************	Station #:	7- 3660					
Sampler:					1-13					
Weather	: clea	. <		Ambient Air Temperature: 72°F						
Well I.D)-		Well Diameter: (2) 3 4 6 8						
Total We	ell Depth:	20.00	Ó	Depth to Water: 10.96						
Depth to	Free Prod	uct:			Free Product (fe	et):				
Referenc	ed to:	(PVC)	Grade	D.O. Meter (if		YSI HACH				
DTW wi	th 80% Re	charge [(I	Height of Water	Column x 0.20		12.76				
Purge Meth	Bailer Dispesable B	Displacement	Waterra Peristaltic Extraction Pump Other	Sampling Method Other	Disposable Bailer Extraction Port Dedicated Tubing	Diameter Multiplier 0.65				
1 Case Volum	_(Gals.) X	3 ecified Volum	= 4.2	_ Gals. 2"	0.16 6" 0.37 Otho	1.47				
1 Case voide	<u> </u>	ecined void	mes Calculated Vo	Turbidity		7aurus 7 0,103				
Time	Temp (°F)	рН	(mS on µS)	(NTUs)	Gals. Removed	Observations				
1345	68.1	6.99	802	71000	1.4					
1347	68.0	7.00	797	>1000	2.8					
1349	66,0	7.02	186	71000	4.2					
		*								
Did well	dewater?	Yes	<u> </u>	Gallons actuall	y evacuated:	4.2				
Sampling	Date: 5	-1-13	Sampling Time	°: \355	Depth to Water	r: 11,47				
Sample I.	D.: Mu	1-3		Laboratory:	(Lancaster) Oth					
Analyzed	for: TPH	G BTEX	MTBE OXYS	Other: See	- COC					
Duplicate	I.D.:		Analyzed for:		MTBE OXYS	Other:				
D.O. (if re	eq'd):		Pre-purge:	mg/ _L	Post-purge:	· mg/L				
O.R.P. (if	req'd):		Pre-purge:	mV	Post-purge:	mV				

Blaine Tech Services, Inc., 1680 Rogers Avenue, San Jose, CA 95112 (408) 573-0555

		_ 05	0113-05	igement Compan	CHAIN OF C	USTODY FOR	M	Α					n s r	20		~	٠.	1 06 1
Cl Chevron Site Number.		Environ	nental Mana			linger Canyon	KO.B	Sai) Ka	imo	n, c	MAI	940 755	BJ SRE	OIII			l of l
				Chevron Consultat	nt <u>Cra</u>			i li							Ī			Preservation Codes
Chevron Site Global II				Address: _5900 ны		meryviëe.						_		: 1 0				H =HCL T=
Chevron Site Address:	2200 Tel	greph Ave		CAConsultant Conf		-	j j	L N				7		GREASE (Thiosubate
Oakland, CA				Consultant Phone			3	SCREEN				3		5				N=HNO, B = NaOH
Chevron PM: CATALIN	A DEVINE	•		Consultant Project	No. 1305 DL	-102		E S				ALKALINITY		Oit &				S = H ₂ SO ₄ O = Other
Chevron PM Phone No).: <u>(925)79</u>	<u>D-3949</u>		Sampling Compan		rvices	1				STC	7		413.1 (. 1			
⊠ Retail and Terminal Business Unit (RTSU) Job ⊠ Construction/Retail Job			Job	Sampled By (Print): Startes			MTRETA COXYCENATESION HVDC II	ORO			TICDS	EPA 310.1		EPA 41	***************************************			
Charge Code: NWRTB-0093600-0-OML					OtherLab	Temp. Blank Chack	ιŞ					_		_				Special
NWRTB (MBER-0-WIL		Lancaster Laboratories	Ottercan	Time Temp.	1	DRO		S.	าเรต		ΥLIN					Instructions Must meet lowest
(WBS ELEMENTS: SITE ASSESSMENT: A1L SITE MONITORING: OML				Et Lancaster, PA Lab Contact: Jill Parker		1300		P	MTBE	Mg, Mn,	22 METALS		SM2510B SPECIFIC CONDUCTIVITY		đ	ם		detection finite possible for 8266 Compounds
THIS IS A LEGAL DOCL	MENT. AL	L FIELDS MUS	T BE FILLED OUT	2425 New Holland Pike, Lancaster, PA 17601			MS	GROY	×	×	Ë		NC C	0	ETHANO	TPH-D		
COAREL	-CLT AND	COMPLETS	. F.	Pñone No: (717)858-2300			8260B/GC/MS	5B	1B BTEX	EPA 6010 Ca, Fe,	EPA6010/7000 TITLE	EPA150.1 PH []	B Speci	EPA 418,1 TRPH		۶		
****	SAMPL	E ID	y				88	EPA 8015B	EPA 8021B	8	601	150	510	418	826	EPA 8015		
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B	EP.	RP.	EPA	EP.	EPA	SMS	EP.	EPA 8250	EPA		Notes/Comment s
MW-1	W		130501	1430	6	6 Vons	C	×							X			
MW-2	j			1415			C	*							뇌			
MW-3	<u> </u>			1355	į į	V	~	Se							X		<u> </u>	
QA	1		(1345	2	11925	X	Y							_			
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Relinquished By	Comp	-	ate/Time:	Pellinquished To	Company	Date/Time	· · · · · · · · · · · · · · · · · · ·		Tur	ndaro	ind Ti	ime:	4 Ho	ursD		48 h	oursi	72
Dall Marie	_ <u>P</u>	5 5	1-13/1450	Relinquished To	CLI	5/1/3 /450 Date/Time			Hot	irs□ nple		Othe	rD.					
Relinby Shed By	Comp	earry D	ale/Time	vėmidniemo 16	Company	Carri Hite			Inte	•		On i			Te	mp:		
Relinquished By	Comp	any D	ate/Time	Relinquished To	Company	Date/Time								C	OC	#	. —	

CHAIN OF CUSTODY FORM

WELLHEAD INSPECTION CHECKLIST

Page _____ of ____

Client	Che	WYON		····				Date	5-1-	(3	
Site Addre	ess _	2200	Tolegra	wh Ave		Oakla	<u>ul</u>	C/A.			
Job Numb	er	13058))) - 1/10.	iph Ave			Techi	nician	20		
	****					1	•		1		1
Well II	}	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			ک	X					X		
<u> </u>	<u> </u>	~	<u> </u>	X	<u> </u>						
MW-2	· '\	>~	7	\							
				Vanish and 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1911 - 1							

				**************************************					***************************************		

NOTE	 S∙	MW-1	1	4.1	12×20/10		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
11012		14100 1	47	tubo	UNU4E	1			<u>, , , , , , , , , , , , , , , , , , , </u>		

SOURCE RECORD **BILL OF LADING**FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

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:

9-3600		Cadalisia Deun	€
CHEVRON #		Chevron Engine	er
12100	Telegroph the	- Oaklend	cA.
street number	street name		state

WELL I.D. GALS.	WELL I.D. GALS.
MW-1 1 4.Z	
MW-Z 1 4.5	
MW-3 , 4.Z	
added equip.	any other adjustments /
TOTAL GALS.	loaded onto BTS vehicle #
BTS event # time	date 1450 5 / 1 / 13
Transporter signature	

REC'D AT	time date 1550 5/1/13
Unloaded/received by signature	

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAI	NE Chevran	9-3600		PROJECT NUM	/IBER 30501-502	7	
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	ТЕМР.	INITIALS
ingron 2 Ultra melerit	622284	5-1-13 0630	7,10,4 34000	7-01,10-01,4.023	noins yes	16°C	\(\omega\)
					,		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Chevron 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

May 10, 2013

Project: 93600

Submittal Date: 05/02/2013 Group Number: 1387286 PO Number: 0015119899 Release Number: ESPINO DEVINE

State of Sample Origin: CA

 Client Sample Description
 Lancaster Labs (LLI) #

 MW-1-W-130501 NA Water
 7043475

 MW-2-W-130501 NA Water
 7043476

 MW-3-W-130501 NA Water
 7043477

 QA-T-130501 NA Water
 7043478

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** Blaine Tech Services, Inc. Attn: Dustin Becker COPY TO **ELECTRONIC** Chevron Attn: Anna Avina COPY TO **ELECTRONIC CRA** Attn: Ian Hull COPY TO **ELECTRONIC** CRA Attn: Nathan Lee COPY TO



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,

fill M. Parker
Senior Specialist

(717) 556-7262



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax; 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-1-W-130501 NA Water

Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613

LLI Sample # WW 7043475

LLI Group # 1387286 Account # 10991

Project Name: 93600

Collected: 05/01/2013 14:30 by JO Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Submitted: 05/02/2013 22:00 Reported: 05/10/2013 18:23

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	
10943	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
10943	Benzene		71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol		75-65-0	N.D.	2	5	1
10943	Ethanol		64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary But	yl Ether	1634-04-4	38	0.5	1	1
10943	Toluene		108-88-3	N.D.	0.5	1	1
10943	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.	1,500	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
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D131292AA	05/09/2013 15:32	Daniel H Heller	1
01163 01728	GC/MS VOA Water Prep TPH-GRO N. CA water C6- C12	SW-846 5030B SW-846 8015B	1 1	D131292AA 13127A20A	05/09/2013 15:32 05/07/2013 13:56	Daniel H Heller Laura M Krieger	1 1
01146	GC VOA Water Prep	SW-846 5030B	1	13127A20A	05/07/2013 13:56	Laura M Krieger	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax; 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-2-W-130501 NA Water

Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613

LLI Sample # WW 7043476

LLI Group # 1387286 Account # 10991

Project Name: 93600

Collected: 05/01/2013 14:15 by JO Chevron

6001 Bollinger Canyon Rd L4310

05/03/2013 22:06 Catherine J

Schwarz

San Ramon CA 94583

Submitted: 05/02/2013 22:00 Reported: 05/10/2013 18:23

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	
10943	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
10943	Benzene		71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol		75-65-0	N.D.	2	5	1
10943	Ethanol		64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary But	yl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene		108-88-3	N.D.	0.5	1	1
10943	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

01146 GC VOA Water Prep

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

SW-846 5030B

		Labor	atory Sa	mple Analy	sis Record		
CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D131292AA	05/09/2013 15:54	Daniel H Heller	1
	GC/MS VOA Water Prep TPH-GRO N. CA water C6- C12	SW-846 5030B SW-846 8015B	1 1	D131292AA 13123A07A	05/09/2013 15:54 05/03/2013 22:06	Daniel H Heller Catherine J Schwarz	1

13123A07A

1

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



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Sample Description: MW-3-W-130501 NA Water

Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613

LLI Sample # WW 7043477

LLI Group # 1387286 Account # 10991

Project Name: 93600

Collected: 05/01/2013 13:55 by JO Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Submitted: 05/02/2013 22:00 Reported: 05/10/2013 18:23

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	
10943	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
10943	Benzene		71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol		75-65-0	N.D.	2	5	1
10943	Ethanol		64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary But	yl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene		108-88-3	N.D.	0.5	1	1
10943	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 QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory	\mathtt{Sample}	Analysis	Record
------------	-------------------	----------	--------

			_	-				
CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
	UST VOCs by 8260B - Water	SW-846 8260B	1	D131292AA			Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D131292AA	05/09/2013 1	16:17	Daniel H Heller	1
01728	TPH-GRO N. CA water C6- C12	SW-846 8015B	1	13123A07A	05/03/2013 2	22:32	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13123A07A	05/03/2013 2	22:32	Catherine J	1



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Sample Description: QA-T-130501 NA Water

Facility# 93600 BTST

2200 Telegraph Ave-Oakland T0600161613

LLI Sample # WW 7043478

LLI Group # 1387286 Account # 10991

Project Name: 93600

Collected: 05/01/2013 13:45 Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Submitted: 05/02/2013 22:00 Reported: 05/10/2013 18:23

TAOQA

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	
10943	t-Amyl methyl ether		994-05-8	N.D.	0.5	1	1
10943	Benzene		71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol		75-65-0	N.D.	2	5	1
10943	Ethyl t-butyl ether		637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether		108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary Buty	/l Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene		108-88-3	N.D.	0.5	1	1
10943	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 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
10943	BTEX + 5 Oxygenates 8260 Water	SW-846 8260B	1	D131292AA	05/09/2013 12:52	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D131292AA	05/09/2013 12:52	Daniel H Heller	1
01728	TPH-GRO N. CA water C6- C12	SW-846 8015B	1	13123A07A	05/03/2013 18:44	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13123A07A	05/03/2013 18:44	Catherine J	1

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Quality Control Summary

Client Name: Chevron Group Number: 1387286

Reported: 05/10/13 at 06:23 PM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: D131292AA	Sample numb	per(s): 70)43475-704	3478					
t-Amyl methyl ether	N.D.	0.5	1	ug/l	91		66-120		
Benzene	N.D.	0.5	1	ug/l	93		77-121		
t-Butyl alcohol	N.D.	2.	5	ug/l	100		75-120		
Ethanol	N.D.	50.	250	ug/l	100		54-149		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	91		66-120		
Ethylbenzene	N.D.	0.5	1	ug/l	96		79-120		
di-Isopropyl ether	N.D.	0.5	1	ug/l	93		65-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	92		68-121		
Toluene	N.D.	0.5	1	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	96		77-120		
Batch number: 13123A07A	Sample numb	per(s): 70)43476-704	3478					
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	106	115	75-135	8	30
Batch number: 13127A20A	Sample numb	per(s): 70)43475						
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	87	85	75-135	3	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 <u>%REC</u>	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: D131292AA	Sample	number(s)	: 7043475	-70434	78 UNSP	K: P043466			
t-Amyl methyl ether	105	104	65-117	1	30				
Benzene	149 (2)	147 (2)	72-134	0	30				
t-Butyl alcohol	102	100	67-119	2	30				
Ethanol	101	96	53-146	6	30				
Ethyl t-butyl ether	101	102	74-122	2	30				
Ethylbenzene	117	116	71-134	1	30				
di-Isopropyl ether	109	109	70-129	0	30				
Methyl Tertiary Butyl Ether	99	99	72-126	0	30				
Toluene	111	110	80-125	1	30				
Xylene (Total)	115	112	79-125	2	30				

^{*-} 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

Group Number: 1387286 Client Name: Chevron

Reported: 05/10/13 at 06:23 PM

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: UST VOCs by 8260B - Water

Batch number: D131292AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene	
7043475	100	93	97	107	
7043476	99	95	98	99	
7043477	100	98	98	96	
7043478	101	96	98	100	
Blank	100	101	98	99	
LCS	100	100	99	99	
MS	102	98	96	107	
MSD	100	103	97	106	
Limits:	80-116	77-113	80-113	78-113	

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

Batch number: 13123A07A

Trifluorotoluene-F

7043476 92 7043477 7043478 81 Blank 8.3 92 LCS LCSD 75

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12 Batch number: 13127A20A

Trifluorotoluene-F

7043475 115 89 Blank LCS 104 LCSD 103

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.

OSO 13-05 CHAIN OF CUSTODY FORM
Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd.■ San Ramon, CA 94583 COC (of Chevron Site Number: 93600 Chevron Consultant: CRA ANALYSES REQUIRED Preservation Codes Chevron Site Global ID: T0600161613 Address: 5900 Hollis St. Suite A Emeryville, H =HCL T= Chevron Site Address: 2200 Telgraph Ave... SOXYGENATES X HVOCII CAConsultant Contact: Nathan Lee Thiosulfate GREASE [HC SCREEN **EPA 310.1 ALKALINITY** Consultant Phone No. 510-420-3333 Oakland, CA N =HNO₃ B = NaOH Chevron PM: CATALINA DEVINE Consultant Project No. 1305171-507 OIL & S = H2SO4 O = Occt #10991 STLC Sampling Company: Blaine Tech Services Chevron PM Phone No.: (925)790-3949 413.1 Co# 1387286 Sampled By (Print): ORO ☑ Retail and Terminal Business Unit (RTBU) Job TLC D ☑ Construction/Retail Job EPA Sampler Signature: Charge Code: NWRTB-0093600-0-OML Other Lab Temp. Blank Check Lancaster EPA6010/7000 TITLE 22 METALS □ Special DRO Time NWRTB 00SITE NUMBER-0-WBS Temp. SM2510B SPECIFIC CONDUCTIVITY Laboratories Instructions EPA 6010 Ca, Fe, K, Mg, Mn, Na (WBS ELEMENTS: Must meet lowest SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L detection limits possible ☑ Lancaster, PA for 8260 Compounds SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L Lab Contact: Jill Parker ETHANOL THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT 2425 New Holland Pike. EPA 8260B/GC/MS TPH-G □ BTEX TPH-D BTEX CORRECTLY AND COMPLETELY. Lancaster, PA 17601 **EPA 418.1 TRPH** EPA150.1 PH □ Phone No: (717)656-2300 **EPA 8015B EPA 8015** EPA 8260 SAMPLE ID # of Containers Date Sample Time **Container Type** Notes/Comment Field Point Name Matrix Top Depth (vvmmdd) Mw-1 い 1430 130501 6 VOK MW-Z 1415 MW-3 1355 ~ 1345 QA X 11925 Relinquished By Company Date/Time: Retinguished

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TO EX	Company	Date/Time	Sample Inte	egrity: (Cl	neck by la	temp:	ival)	5.0°C
To	Company	Date/Time 5/2//3			C	OC#	र्भा ३	
							0	
	Page 9 of	10					COC Revis	ion 12, 04/25/13



Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL MPN	Below Minimum Quantitation Level
N.D.	none detected		Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
С	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
μg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	μL	microliter(s)
		pg/L	picogram/liter

- < 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
- J estimated value The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

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. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

Correlation coefficient for MSA < 0.995

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

U Compound was not detectedX.Y.Z Defined in case narrative

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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