Carryl MacLeod
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6506
cmacleod@chevron.com

April 29, 2013

RECEIVED
By Alameda County Environmental Health at 9:03 am, May 01, 2013

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

Re: Former Texaco Service Station 317233
2259 First Street
Livermore, California
ACEHS Case RO2908

I accept the First Quarter 2013 Groundwater Monitoring and Sampling Report.

I agree with the conclusions and recommendations presented in this document. The information included is accurate to the best of my knowledge, and appears to meet local agency and Regional Board guidelines. This First Quarter 2013 Groundwater Monitoring and Sampling 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,

Carryl MacLeod
Project Manager

Attachment: First Quarter 2013 Groundwater Monitoring and Sampling Report

CONESTOGA-ROVERS & ASSOCIATES

10969 Trade Center Drive
Rancho Cordova, California 95670
Telephone: (916) 889-8900 Fax: (916) 889-8999
http://www.craworld.com

April 29, 2013 Reference No. 312264

Mr. Jerry Wickham
Alameda County Environmental Health Services (ACEHS)
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: First Quarter 2013
Groundwater Monitoring and Sampling Report
Former Texaco Service Station 307233
2259 First Street
Livermore, California
ACEHS Case RO0002908

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) is submitting this *First Quarter 2013 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring and sampling was performed by Gettler-Ryan, Inc. (G-R) of Dublin, California and their *Groundwater Monitoring and Sampling Data Package* is included as Attachment A. Current and historical groundwater monitoring and sampling data are presented in Table 1 and current data are shown on Figure 2. Eurofins Lancaster Laboratories' *Analytical Results* report is included as Attachment B.

RESULTS OF FIRST QUARTER 2013 EVENT

On March 4, 2013, G-R monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Shallow Groundwater Flow Direction Southwest
- Shallow Hydraulic Gradient 0.1
- Deep Groundwater Flow Direction West/northwest
- Deep Hydraulic Gradient 0.01
- Approximate Depth to Water 25 to 32 feet below grade

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

TABLE A: GROUNDWATER ANALYTICAL DATA						
Well ID	*TPHd* (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*
ESLs	***100***	***1***	***40***	***30***	***20***	***ESLs***
MW-1	**170/**<50	<50	<0.5	<0.5	<0.5	<0.5
MW-2	<50/<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3	**360/240**	**1,500**	**150**	3	2	3
MW-4	**170/100**	**350**	<0.5	<0.5	0.6	<0.5
MW-5	<50/<50	<50	<0.5	<0.5	<0.5	<0.5
MW-6	**210/160**	**210**	0.6	<0.5	<0.5	<0.5
MW-7	**46,000/34,000**	**18,000**	**1,900**	26	**370**	**390**
MW-8	**9,400/6,300**	**4,700**	<3	<3	<3	<3
MW-9	<50/<50	<50	<0.5	<0.5	<0.5	<0.5
MW-10	**8,300/6,100**	**1,900**	<0.5	<0.5	9	4
MW-11	<50/<50	<50	<0.5	<0.5	<0.5	<0.5
MW-12	**1,800/590**	**3,200**	26	2	20	16

ESL San Francisco Bay Region-Regional Water Quality Control Board, (RWQCB), 2008, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim final, November 2007, revised May 2008, Table F-1a.
Concentrations in **BOLD** exceed ESLs

CONCLUSIONS AND RECOMMENDATIONS

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

- No LNAPL has been detected in well MW-7 for the past five quarterly events.
- TPHd, TPHg, and to a lesser extent, benzene are the main constituents of concern at the site.
- The highest dissolved concentrations were detected in shallow zone wells MW-7, MW-8, and MW-10 in the vicinity of the former USTs in the southeast corner of the site.
- Initial post-land application sulfate levels in shallow zone wells ranged from <1,500 µg/L (MW-8) to 221,000 µg/L (MW-7).

CRA recommends continuing monitoring and sampling to evaluate concentration trends over time and to provide post-land application sulfate data.

CONESTOGA-ROVERS & ASSOCIATES

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
G-R will monitor and sample site wells per the established schedule. CRA will submit a groundwater monitoring and sampling report.

Additional Activity
CRA will continue to evaluate the effectiveness of the sulfate land application through fourth quarter 2013. At the conclusion of four quarter of post application monitoring, a summary report will be prepared.

In anticipation of City park renovation activities at the site, CRA is currently preparing a Soil Management Plan as well as a soil excavation Work Plan to address shallow lead impacts. Both documents will be submitted by May 21, 2013.

Please contact Brian Silva at (916) 889-8908 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

PROFESSIONAL GEOLOGIST
GREG BARCLAY
No. 6260
STATE OF CALIFORNIA

Brian Silva

Greg Barclay, PG 6260

BS/aa/26
Encl.

Figure 1	Vicinity Map
Figure 2	Shallow Zone Groundwater Elevation Contour and Hydrocarbon Concentration Map
Figure 3	Deep Zone Groundwater Elevation Contour and Hydrocarbon Concentration Map
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report

cc: Ms. Carryl MacLeod, Chevron *(electronic copy)*
Mr. Eric Uranaga, City of Livermore Community Development

FIGURES

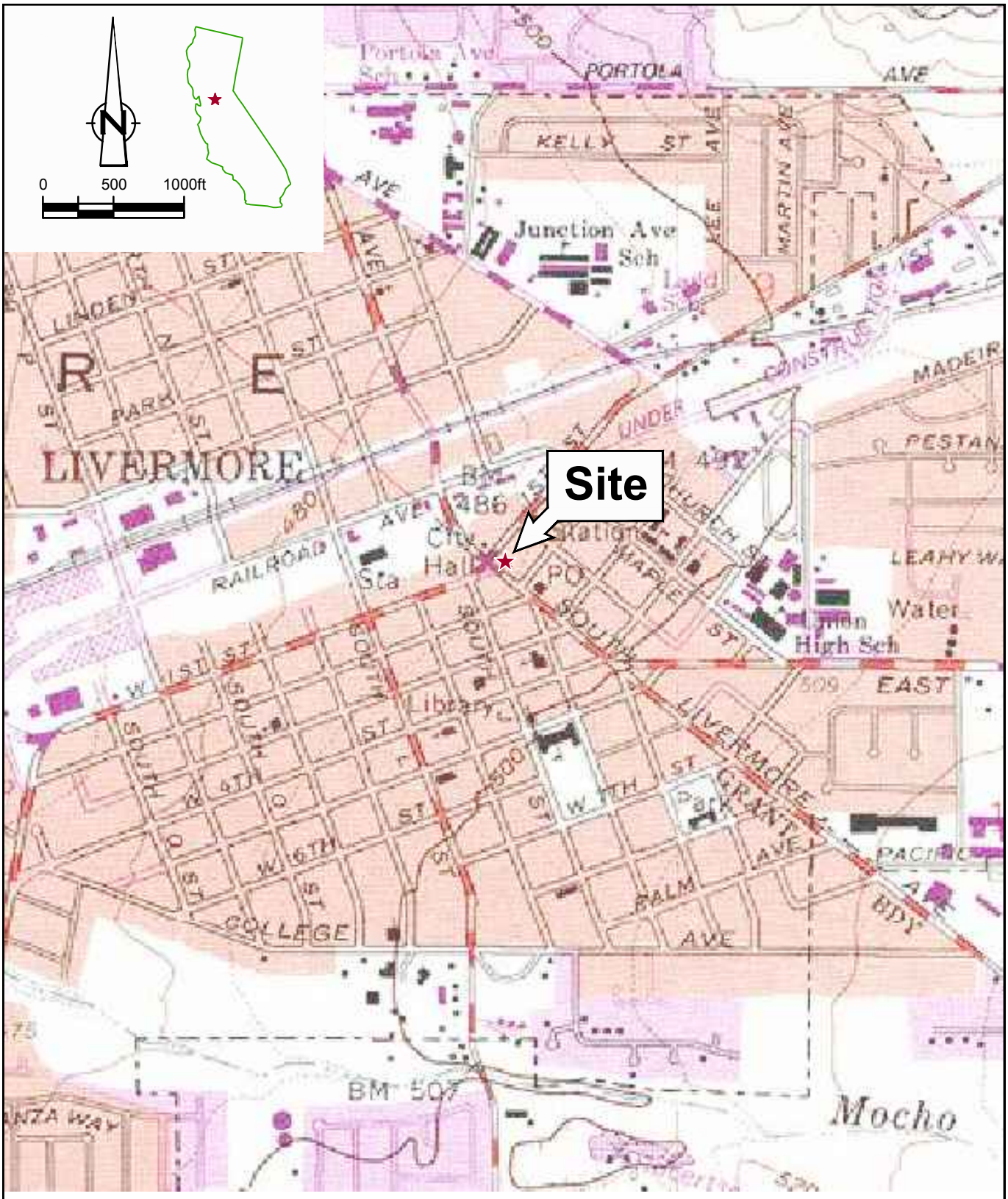

Figure 1

VICINITY MAP
FORMER TEXACO STATION (CHEVRON SITE 307233)
2259 FIRST STREET
Livermore, California

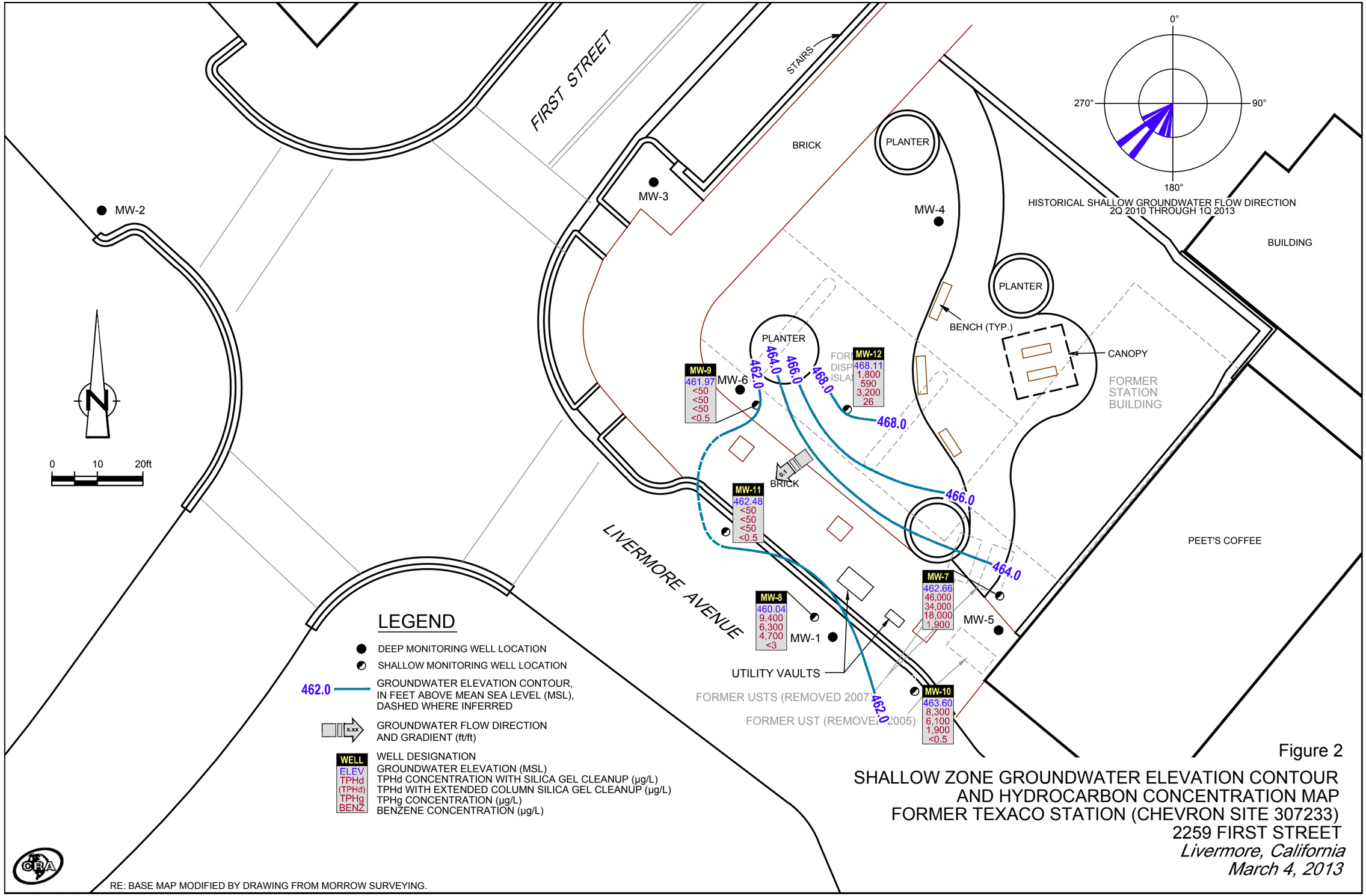

Figure 2

SHALLOW ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 307233)
2259 FIRST STREET
Livermore, California
March 4, 2013

312264-95(026)GN-BR002 APR 23/2013

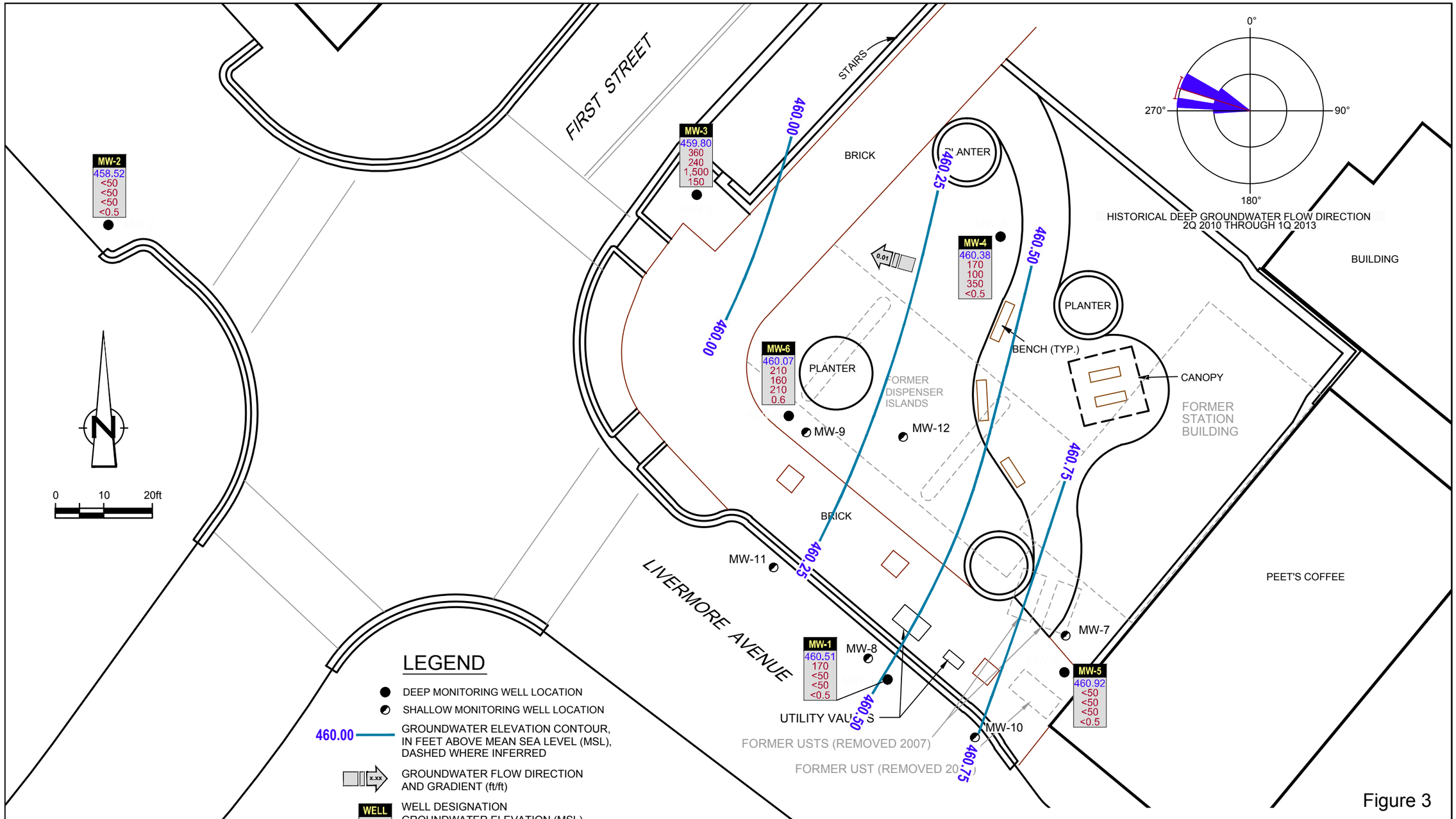

Figure 3

DEEP ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 307233)
2259 FIRST STREET
Livermore, California
March 4, 2013

RE: BASE MAP MODIFIED BY DRAWING FROM MORROW SURVEYING.

312264-95(026)GN-BR003 APR 23/2012

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			PRIMARY VOCS				GENERAL CHEMISTRY							
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	Nitrate Nitrogen	Sulfate	Total sulfide (dissolved)	Ferrous Iron	Alkalinity, total (as CaCO3)	Alkalinity, phenolphthalein	Methane	Calcium
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	05/25/2010[1]	490.86	30.62	460.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/27/2010	490.86	30.65	460.21	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	09/13/2010	490.86	36.49	454.37	0.00	0.00	51	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	12/20/2010	490.86	32.24	458.62	0.00	0.00	-	79	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/07/2011	490.86	27.86	463.00	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	6,900	73,600	-	<10	-	-	-	-
MW-1	06/06/2011	490.86	27.10	463.76	0.00	0.00	-	220	<50	<0.5	<0.5	<0.5	<0.5	7,000	71,000	-	<10	-	-	-	-
MW-1	09/19/2011	490.86	31.26	459.60	0.00	0.00	-	450/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/09/2012[7]	490.86	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/12/2012[4]	490.86	41.35	449.51	0.00	0.00	-	<50/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	06/04/2012[7]	490.86	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/10/2012[4]	490.86	40.67	450.19	0.00	0.00	-	<50 / <50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	12/10/2012[7]	490.86	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	**03/04/2013[4]**	**490.86**	**30.35**	**460.51**	**0.00**	**0.00**	**-**	**170 / <50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-2	05/25/2010[1]	489.43	31.18	458.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/27/2010	489.43	31.11	458.32	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	09/13/2010	489.43	36.96	452.47	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	12/20/2010	489.43	32.62	456.81	0.00	0.00	-	52	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	03/07/2011	489.43	28.26	461.17	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	3,600	45,900	-	20	-	-	-	-
MW-2	06/06/2011	489.43	27.73	461.70	0.00	0.00	-	220	<50	<0.5	<0.5	<0.5	<0.5	2,900	43,600	-	<10	-	-	-	-
MW-2	09/19/2011	489.43	31.92	457.51	0.00	0.00	-	230/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	03/09/2012[7]	489.43	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/12/2012[4]	489.43	41.84	447.59	0.00	0.00	-	<50/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	06/04/2012[7]	489.43	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			PRIMARY VOCS				GENERAL CHEMISTRY							
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	Nitrate Nitrogen	Sulfate	Total sulfide (dissolved)	Ferrous Iron	Alkalinity, total (as CaCO3)	Alkalinity, phenolphthalein	Methane	Calcium
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	09/10/2012[4]	489.43	41.32	448.11	0.00	0.00	-	<50 / <50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	12/10/2012[7]	489.43	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	**03/04/2013[4]**	**489.43**	**30.91**	**458.52**	**0.00**	**0.00**	**-**	**<50 / <50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-3	05/25/2010[1]	490.38	30.17	460.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/27/2010	490.38	30.98	459.40	0.00	0.00	610	-	2,100	2	<0.5	<0.5	0.9	-	-	-	-	-	-	-	-
MW-3	09/13/2010	490.38	36.77	453.61	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	12/20/2010	490.38	32.41	457.97	0.00	0.00	-	97	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	03/07/2011	490.38	28.06	462.32	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	4,300	70,400	-	53	-	-	-	-
MW-3	06/06/2011	490.38	27.28	463.10	0.00	0.00	-	110	<50	<0.5	<0.5	<0.5	<0.5	3,900	66,400	-	17	-	-	-	-
MW-3	09/19/2011	490.38	31.21	459.17	0.00	0.00	-	170/230	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	03/09/2012[7]	490.38	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/12/2012[4]	490.38	41.66	448.72	0.00	0.00	-	<50/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	06/04/2012[7]	490.38	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/10/2012[4]	490.38	41.02	449.36	0.00	0.00	-	<50 / <50	<50	<5	<5	<5	<5	-	-	-	-	-	-	-	-
MW-3	12/10/2012[7]	490.38	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	**03/04/2013[4]**	**490.38**	**30.58**	**459.80**	**0.00**	**0.00**	**-**	**360 / 240**	**1,500**	**150**	**3**	**2**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-4	05/25/2010[1]	492.27	32.21	460.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/27/2010	492.27	32.26	460.01	0.00	0.00	230	-	1,800	1	<0.5	<0.5	0.7	-	-	-	-	-	-	-	-
MW-4	09/13/2010	492.27	38.14	454.13	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	12/20/2010	492.27	33.80	458.47	0.00	0.00	-	180	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	03/07/2011	492.27	29.42	462.85	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	7,900	72,300	-	15	-	-	-	-
MW-4	06/06/2011	492.27	28.52	463.75	0.00	0.00	-	87	<50	<0.5	<0.5	<0.5	<0.5	7,500	67,700	-	<10	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			*PRIMARY VOCS*				*GENERAL CHEMISTRY*							
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*Nitrate Nitrogen*	*Sulfate*	*Total sulfide (dissolved)*	*Ferrous Iron*	*Alkalinity, total (as CaCO3)*	*Alkalinity, phenolphthalein*	*Methane*	*Calcium*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gal*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-4	09/19/2011	492.27	32.78	459.49	0.00	0.00	-	330/140	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	03/09/2012[7]	492.27	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/12/2012[4]	492.27	42.99	449.28	0.00	0.00	-	130/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	06/04/2012[7]	492.27	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/10/2012[4]	492.27	42.30	449.97	0.00	0.00	-	580 / 310	2,400	2	0.7	2	2	-	-	-	-	-	-	-	-
MW-4	12/10/2012[7]	492.27	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	**03/04/2013[4]**	**492.27**	**31.89**	**460.38**	**0.00**	**0.00**	**-**	**170 / 100**	**350**	**<0.5**	**<0.5**	**0.6**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-5	05/25/2010[1]	491.99	31.39	460.60	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	05/27/2010	491.99	31.42	460.57	0.00	0.00	120	-	420	2	<0.5	<0.5	1	-	-	-	-	-	-	-	-
MW-5	09/13/2010	491.99	37.25	454.74	0.00	0.00	700	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	12/20/2010	491.99	33.01	458.98	0.00	0.00	-	74	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	03/07/2011	491.99	28.60	463.39	0.00	0.00	-	93	<50	<0.5	<0.5	<0.5	<0.5	7,900	70,100	-	23	-	-	-	-
MW-5	06/06/2011	491.99	27.71	464.28	0.00	0.00	-	<50	18,000	1,500	45	450	1,700	<250	2,700	-	11	-	-	-	-
MW-5	06/22/2011[2]	491.99	28.90	463.09	0.00	0.00	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	09/19/2011	491.99	31.94	460.05	0.00	0.00	-	240/410	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	03/09/2012[7]	491.99	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/12/2012[4]	491.99	42.15	449.84	0.00	0.00	-	95/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	06/4/2012[7]	491.99	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/10/2012[4]	491.99	41.39	450.60	0.00	0.00	-	<50 / <50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	12/10/2012[7]	491.99	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	**03/04/2013[4]**	**491.99**	**31.07**	**460.92**	**0.00**	**0.00**	**-**	**<50 / <50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-6	05/25/2010[1]	491.52	31.63	459.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			*PRIMARY VOCS*				*GENERAL CHEMISTRY*							
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*Nitrate Nitrogen*	*Sulfate*	*Total sulfide (dissolved)*	*Ferrous Iron*	*Alkalinity, total (as CaCO3)*	*Alkalinity, phenolphthalein*	*Methane*	*Calcium*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gal*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-6	05/27/2010	491.52	31.79	459.73	0.00	0.00	1,000	-	3,700	4	<0.5	<0.5	1	-	-	-	-	-	-	-	-
MW-6	09/13/2010	491.52	37.64	453.88	0.00	0.00	68	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	12/20/2010	491.52	33.32	458.20	0.00	0.00	-	140	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	03/07/2011	491.52	28.96	462.56	0.00	0.00	-	63	<50	<0.5	<0.5	<0.5	<0.5	360	55,400	-	33	-	-	-	-
MW-6	06/06/2011	491.52	28.08	463.44	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	5,300	54,000	-	<10	-	-	-	-
MW-6	09/19/2011	491.52	32.38	459.14	0.00	0.00	-	<50/380	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	03/09/2012[7]	491.52	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/12/2012[4]	491.52	42.50	449.02	0.00	0.00	-	54/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	06/4/2012[7]	491.52	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/10/2012[4]	491.52	41.82	449.70	0.00	0.00	-	86/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	12/10/2012[7]	491.52	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	**03/04/2013[4]**	**491.52**	**31.45**	**460.07**	**0.00**	**0.00**	**-**	**210 / 160**	**210**	**0.6**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
MW-7	05/25/2010[1]	492.29	28.69	463.60	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	05/27/2010	492.29	28.61	463.68	0.00	0.00	2,800	-	14,000	1,800	35	320	660	-	-	-	-	-	-	-	-
MW-7	09/13/2010	492.29	31.75	460.54	0.00	0.00	40,000	-	16,000	1,700	33	460	600	-	-	-	-	-	-	-	-
MW-7	12/20/2010	492.29	27.96	464.33	0.00	0.00	-	6,200	15,000	2,800	59	450	530	-	-	-	-	-	-	-	-
MW-7	03/07/2011	492.29	24.98	467.31	0.00	0.00	-	55,000	16,000	1,500	50	470	2,100	<250	2,600	-	2,800	-	-	-	-
MW-7	06/06/2011	492.29	24.12	468.17	0.00	0.00	-	24,000	<50	<0.5	<0.5	<0.5	<0.5	8,000	70,300	-	4,300	-	-	-	-
MW-7	06/22/2011[2]	492.29	26.71	465.58	0.00	0.00	-	-	19,000	1,800	47	490	2,200	-	-	-	-	-	-	-	-
MW-7	09/19/2011[3]	492.29	28.85	463.44	0.12	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/09/2012	492.29	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/12/2012[5]	492.29	32.38	459.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/04/2012[5,6]	492.29	32.38	459.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			*PRIMARY VOCS*				*GENERAL CHEMISTRY*							
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*Nitrate Nitrogen*	*Sulfate*	*Total sulfide (dissolved)*	*Ferrous Iron*	*Alkalinity, total (as CaCO3)*	*Alkalinity, phenolphthalein*	*Methane*	*Calcium*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gal*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-7	09/10/2012[5,9]	492.29	32.62	459.67	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/10/2012[4,9]	492.29	28.77	463.52	0.00	0.00	-	180,000 / 150,000	21,000	2,300	47	400	550	-	250,000	<54	6,000	573,000	-	12,000	179,000
MW-7	**03/04/2013[4,9]**	**492.29**	**29.63**	**462.66**	**0.00**	**0.00**	**-**	**46,000 / 34,000**	**18,000**	**1,900**	**26**	**370**	**390**	**-**	**221,000**	**880**	**6,300**	**679,000**	**-**	**16,000**	**127,000**
MW-8	05/25/2010[1]	490.89	30.62	460.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	05/27/2010	490.89	30.78	460.11	0.00	0.00	750	-	3,100	36	3	<0.5	2	-	-	-	-	-	-	-	-
MW-8	09/13/2010	490.89	36.55	454.34	0.00	0.00	590	-	3,400	5	2	<0.5	1	-	-	-	-	-	-	-	-
MW-8	12/20/2010	490.89	31.60	459.29	0.00	0.00	-	750	4,000	0.8	0.7	19	3	-	-	-	-	-	-	-	-
MW-8	03/07/2011	490.89	28.20	462.69	0.00	0.00	-	1,300	2,800	0.9	0.7	12	2	<250	7,000	-	820	-	-	-	-
MW-8	06/06/2011	490.89	27.38	463.51	0.00	0.00	-	4,300	3,100	0.9	0.7	5	1	<250	2,400	-	2,000	-	-	-	-
MW-8	09/19/2011	490.89	31.81	459.08	0.00	0.00	-	6,800/720	4,600	1	0.8	0.5	0.8	-	-	-	-	-	-	-	-
MW-8	03/09/2012	490.89	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/12/2012[5]	490.89	38.48	452.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/04/2012[4,8]	490.89	37.66	453.23	0.00	0.00	-	73,000/68,000	5,700	1	0.8	2	3	-	<1,500	<54	27,100	259,000	<700	2,000	31,200
MW-8	9/10/2012[5]	490.89	38.73	452.16	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/10/2012[4]	490.89	31.64	459.25	0.00	0.00	-	4,200 / 3,400	5,600	<3	<3	11	<3	-	<1,500	130	1,600	220,000	-	2,600	18,900
MW-8	**03/04/2013[4]**	**490.89**	**30.85**	**460.04**	**0.00**	**0.00**	**-**	**9,400 / 6,300**	**4,700**	**<3**	**<3**	**<3**	**<3**	**-**	**<1,500**	**150**	**2,500**	**223,000**	**-**	**2,700**	**22,100**
MW-9	05/25/2010[1]	491.64	29.23	462.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	05/27/2010	491.64	28.96	462.68	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	09/13/2010	491.64	31.85	459.79	0.00	0.00	30,000	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	12/20/2010	491.64	28.95	462.69	0.00	0.00	-	56	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	03/07/2011	491.64	25.67	465.97	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<250	172,000	-	48	-	-	-	-
MW-9	06/06/2011	491.64	24.67	466.97	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<250	228,000	-	<10	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			*PRIMARY VOCS*				*GENERAL CHEMISTRY*							
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*Nitrate Nitrogen*	*Sulfate*	*Total sulfide (dissolved)*	*Ferrous Iron*	*Alkalinity, total (as CaCO3)*	*Alkalinity, phenolphthalein*	*Methane*	*Calcium*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gal*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-9	09/19/2011	491.64	29.46	462.18	0.00	0.00	-	250/<50*	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	03/09/2012[7]	491.64	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/12/2012[4]	491.64	34.27	457.37	0.00	0.00	-	<50/<50*	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	06/04/2012[7]	491.64	35.80	455.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	9/10/2012[4]	491.64	36.53	455.11	0.00	0.00	-	<50 / <50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-9	12/10/2012[10]	491.64	32.80	458.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	**03/04/2013[4]**	**491.64**	**29.67**	**461.97**	**0.00**	**0.00**	**-**	**<50 / <50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**135,000**	**<54**	**520**	**342,000**	**-**	**15**	**176,000**
MW-10	03/09/2012[1]	491.15	28.00	463.15	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/12/2012[4]	491.15	28.11	463.04	0.00	0.00	-	440/260	3,100	<1	<1	36	16	-	-	-	-	-	-	-	-
MW-10	06/04/2012[4]	491.15	29.49	461.66	0.00	0.00	-	750/640	3,300	0.7	1	36	12	-	-	-	-	-	-	-	-
MW-10	09/10/2012[5]	491.15	32.10	459.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	12/10/2012[4]	491.15	26.03	465.12	0.00	0.00	-	240 / 200	950	<0.5	<0.5	2	2	-	-	-	-	-	-	-	-
MW-10	**03/04/2013[4]**	**491.15**	**27.55**	**463.60**	**0.00**	**0.00**	**-**	**8,300 / 6,100**	**1,900**	**<0.5**	**<0.5**	**9**	**4**	**-**	**5,800**	**110**	**3,600**	**273,000**	**-**	**2,100**	**27,400**
MW-11	03/09/2012[1]	490.59	31.48	459.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	03/12/2012[4]	490.59	33.35	457.24	0.00	0.00	-	160/<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	06/04/2012[5]	490.59	34.22	456.37	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/10/2012[5]	490.59	34.48	456.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/10/2012[4]	490.59	32.50	458.09	0.00	0.00	-	55 / <50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	**03/04/2013[4]**	**490.59**	**28.11**	**462.48**	**0.00**	**0.00**	**-**	**<50 / <50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**59,600**	**<54**	**800**	**259,000**	**-**	**6.9**	**38,500**
MW-12	03/09/2012[1]	493.72	25.43	468.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	03/12/2012[4]	493.72	26.97	466.75	0.00	0.00	-	1,100/310	3,000	10	1	19	38	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			*PRIMARY VOCS*				*GENERAL CHEMISTRY*							
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*Nitrate Nitrogen*	*Sulfate*	*Total sulfide (dissolved)*	*Ferrous Iron*	*Alkalinity, total (as CaCO3)*	*Alkalinity, phenolphthalein*	*Methane*	*Calcium*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gal*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-12	06/04/2012[4]	493.72	26.54	467.18	0.00	0.00	-	990/510	4,200	15	2	12	23	-	-	-	-	-	-	-	-
MW-12	09/10/2012[4]	493.72	28.80	464.92	0.00	0.00	-	1,000 / 290	2,500	30	2	2	2	-	-	-	-	-	-	-	-
MW-12	12/10/2012[4]	493.72	25.36	468.36	0.00	0.00	-	840 / 330	2,500	10	<3	<3	<3	-	-	-	-	-	-	-	-
MW-12	**03/04/2013[4]**	**493.72**	**25.61**	**468.11**	**0.00**	**0.00**	**-**	**1,800 / 590**	**3,200**	**26**	**2**	**20**	**16**	**-**	**19,400**	**<54**	**4,700**	**559,000**	**-**	**1,100**	**80,300**
QA	05/27/2010	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	09/13/2010	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	12/20/2010	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	03/07/2011	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	06/06/2011	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	06/22/2011	-	-	-			-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	09/19/2011	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	**03/12/2012**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**<50**	**<0.5**	**<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

TOC elevations were surveyed on April 19, 2010 by Morrow Surveying. Vertical datum is NAVD 88 from GPS observations

ft = Feet

µg/L = Micrograms per liter

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 307233
2259 FIRST STREET
LIVERMORE, CALIFORNIA

							HYDROCARBONS			PRIMARY VOCS				GENERAL CHEMISTRY							
Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	Nitrate Nitrogen	Sulfate	Total sulfide (dissolved)	Ferrous Iron	Alkalinity, total (as CaCO3)	Alkalinity, phenolphthalein	Methane	Calcium
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

-- = Not available / not applicable

<x = Not detected at or above laboratory method detection limit

1 Well development performed.

2 Second quarter 2011 resampling event because MW-5 and MW-7 bottles for TPHg and BTEX analysis were switched during the original 6/6/2011 sampling event.

3 Monitored only due to the presence of NAPL.

4 Silica Gel Cleanup / 10 gram Column Silica Gel Cleanup with Capric Acid Reverse Surrogate.

5 Insufficient water to sample.

6 Sulfate canister in well

7 Monitoring and sampled during the first and third quartes only

8 Insufficient water for purging, so a grab-groundwater samples was collected

9 Skimmer in well

10 Monitored only

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

March 13, 2013
G-R #385876

TO: Mr. Brian Silva
Conestoga-Rovers & Associates
10969 Trade Center Drive, Suite 107
Rancho Cordova, California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Chevron Service Station
#307233
2259 First Street
Livermore, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Quarter Event of March 4, 2013**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-0271

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #307233** Job #: **385876**

Site Address: **2259 First Street** Event Date: 3/4/15

City: **Livermore, CA** Sampler: JW

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	BOLTS (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y / N
MW-5	ok							N	N	12" Emco	Y
MW-4	ok										
MW-8	ok										
MW-7	ok									8" Morrison	
MW-10	ok									8" China	
MW-11	ok										

Comments

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #307233 Job #: 385876

Site Address: 2259 First Street Event Date: 3.4.13

City: Livermore, CA Sampler: FT

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	BOLTS (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y / N	REPLACE CAP Y / N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y (N)
MW-2	OK							N	N	Ferrco (12"/2	
MW-3	OK									Morrison (6"/2	
MW-4	OK										
MW-6	OK										
MW-9	OK										
MW-12	OK			B=1	OK					8" Box (Unknown) / 2	

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Evergreen Oil located in Newark, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3/4/13 (inclusive)
City: Livermore, CA Sampler: JW

Well ID MW-1 Date Monitored: 3/4/13
Well Diameter 2
Total Depth 58.83 ft.
Depth to Water 30.35 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

28.48 xVF .17 = 4.84 x3 case volume = Estimated Purge Volume: 14.52 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.04

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	X
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	X
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1145 Weather Conditions: Cloudy
Sample Time/Date: 1220 / 3/4/13 Water Color: clear Odor: Y / N
Approx. Flow Rate: 1 gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 33.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1150	5	7.64	472	19.9		
1155	10	7.60	495	19.7		
1200	15	7.52	507	19.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/
					TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.4.13 (inclusive)
City: Livermore, CA Sampler: FT & AM

Well ID MW-2 Date Monitored: 3.4.13
Well Diameter 2
Total Depth 58.68 ft.
Depth to Water 30.91 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

27.77 xVF .17 = 4.72 x3 case volume = Estimated Purge Volume: 14.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.46

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump ✓
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0900 Weather Conditions: CLOUDY
Sample Time/Date: 0920 / 3.4.13 Water Color: CLEAR Odor: Y / N
Approx. Flow Rate: ~2.5 gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 31.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0902	4.5	7.28	569	16.5		
0904	9.0	7.24	575	16.9		
0906	14.0	7.20	581	17.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: Enco well on

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.4.13 (inclusive)
City: Livermore, CA Sampler: FT & AM

Well ID MW-3 Date Monitored: 3.4.13
Well Diameter 2
Total Depth 59.41 ft.
Depth to Water 30.58 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

28.83 xVF .17 = 4.90 x3 case volume = Estimated Purge Volume: 15.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.34

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer ✓
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1230 Weather Conditions: CLOUDY
Sample Time/Date: 1315 / 3.4.13 Water Color: LT. GRAY Odor: (Y) I ● SLIGHT
Approx. Flow Rate: ≈ 2.5 gpm. Sediment Description: SL. SILTY
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 35.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1232	5.0	7.52	647	18.9		
1234	10.0	7.53	652	19.1		
1236	15.0	7.49	659	19.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: MORRISON 6" DK

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.4.13 (inclusive)
City: Livermore, CA Sampler: FT & AM

Well ID MW-4 Date Monitored: 3.4.13
Well Diameter 2
Total Depth 58.93 ft.
Depth to Water 31.89 ft. ☐ Check if water column is less then 0.50 ft.
27.04 xVF .17 = 4.59 x3 case volume = Estimated Purge Volume: 14.0 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.29

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump ✓
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1130 Weather Conditions: Cloudy
Sample Time/Date: 1150 / 3.4.13 Water Color: Brn. Odor: Y / (N)
Approx. Flow Rate: ~ 2.5 gpm. Sediment Description: Silty
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 32.04

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1132	4.5	7.59	624	17.9		
1134	9.0	7.54	632	18.1		
1136	14.0	7.50	640	18.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/
					TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: Monitor well on

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3/4/13 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-5 Date Monitored: 3/4/13
Well Diameter 2
Total Depth 59.91 ft.
Depth to Water 31.07 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

28.84 x VF .17 = 4.90 x3 case volume = Estimated Purge Volume: 14.70 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.83

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	X
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	X
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0835 Weather Conditions: Cloudy
Sample Time/Date: 0915 / 3/4/13 Water Color: cloudy Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: Silt
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 34.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0840	5	7.37	437	19.6		
0845	10	7.30	480	19.4		
0850	15	7.26	505	19.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.4.13 (inclusive)
City: Livermore, CA Sampler: FT

Well ID MW-6 Date Monitored: 3.4.13
Well Diameter 2
Total Depth 59.07 ft.
Depth to Water 31.45 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

27.62 xVF .17 = 4.69 x3 case volume = Estimated Purge Volume: 14.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.97

Purge Equipment:
Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ✓
Suction Pump ____
Grundfos ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer ____
Metal Filters ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____

Start Time (purge): 1030 Weather Conditions: CLOUDY
Sample Time/Date: 1050 / 3.4.13 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: ≈ 2.5 gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 31.50

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1032	4.5	7.41	575	17.8		
1034	9.0	7.39	582	18.3		
1036	14.0	7.34	590	18.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: MORRISON 6" on

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #307233** Job Number: **385876**

Site Address: **2259 First Street** Event Date: 3/4/13 (inclusive)

City: **Livermore, CA** Sampler: JH

Well ID MW-7 Date Monitored: 3/4/13

Well Diameter 2

Total Depth 32.73 ft.

Depth to Water 29.63 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

3.10 xVF .17 = .52 x3 case volume = Estimated Purge Volume: 1.58 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.25

Purge Equipment:

Disposable Bailer	X
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	X
Pressure Bailer	
Metal Filters	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0750 Weather Conditions: Cloudy

Sample Time/Date: 0815 / 3/4/13 Water Color: Cloud Odor: (Y) / N Strong

Approx. Flow Rate: — gpm. Sediment Description: Low

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 30.07

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0752	.5	7.37	759	19.6		
0754	1.0	7.32	742	19.2		
0756	1.5	7.25	725	19.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	1 x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: Skimmer in well - Sheen Detected During Purging

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3/4/13 (inclusive)
City: Livermore, CA Sampler: JW

Well ID MW-8 Date Monitored: 3/4/13
Well Diameter 2
Total Depth 38.90 ft.
Depth to Water 30.85 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.05 xVF .17 = 1.36 x3 case volume = Estimated Purge Volume: 4.10 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.46

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1035 Weather Conditions: Cloudy
Sample Time/Date: 1115 / 3/4/13 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Low
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 32.17

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1039	1.5	7.37	595	19.7		
1043	3.0	7.32	576	19.2		
1047	4.0	7.30	552	19.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	1 x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.4.13 (inclusive)
City: Livermore, CA Sampler: FT & AM

Well ID MW-9 Date Monitored: 3.4.13
Well Diameter 2
Total Depth 39.83 ft.
Depth to Water 29.67 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

10.16 xVF .17 = 1.72 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.70

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0945 Weather Conditions: CLOUDY
Sample Time/Date: 1110 / 3.4.13 Water Color: BRN. Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 31.68

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0948	1.5	7.23	651	17.7		
0951	3.0	7.19	649	18.0		
0955	5.0	7.14	646	18.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: MONITORED 6" DTW SLOW RECOVERY

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3/4/13 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-10 Date Monitored: 3/4/13
Well Diameter 2
Total Depth 32.06 ft.
Depth to Water 27.55 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

4.51 xVF .17 = .76 x3 case volume = Estimated Purge Volume: 2.30 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.45

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1240 Weather Conditions: Cloudy
Sample Time/Date: 1315 / 3/4/13 Water Color: Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description:
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 28.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1244	1	7.40	575	19.8		
1248	2	7.27	604	19.7		
1252	2.5	7.22	627	19.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	1 x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3/4/13 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-11 Date Monitored: 3/4/13
Well Diameter 2
Total Depth 34.71 ft.
Depth to Water 28.11 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

6.60 xVF .17 = 1.12 x3 case volume = Estimated Purge Volume: 3.36 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.43

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0935 Weather Conditions: Cloud,
Sample Time/Date: 1005 / 3/4/13 Water Color: Cloud, Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Lt Brn
Did well de-water? NN If yes, Time: Volume: gal. DTW @ Sampling: 29.25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
0938	1	7.57	545	19.5		
0942	2	7.53	561	19.3		
0946	35	7.50	552	19.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
1	x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 | Job Number: 385876
Site Address: 2259 First Street | Event Date: 3.4.13 (inclusive)
City: Livermore, CA | Sampler: FT & AM

Well ID: MW-12 | Date Monitored: 3.4.13
Well Diameter: 2
Total Depth: 34.48 ft.
Depth to Water: 25.61 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.87 xVF .17 = 1.56 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.38

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1210 | Weather Conditions: Cloudy
Sample Time/Date: 1235 / 3.4.13 | Water Color: Grey | Odor: Ⓨ / N | Slight
Approx. Flow Rate: ✓ gpm. | Sediment Description: S. Silty
Did well de-water? No | If yes, Time: | Volume: gal. | DTW @ Sampling: 27.31

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (US))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1213	1.5	7.29	682	17.8		
1216	3.0	7.26	697	18.0		
1219	4.0	7.23	691	18.3		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	2 x voa vial	YES	NP	LANCASTER	SULFATE (EPA 300.0)
	1 x 500ml clear glass	YES	NaOH	LANCASTER	DISSOLVED SULFIDE (SM20 4500 S2D)
	1 x 250ml poly	YES	NP	LANCASTER	TOTAL ALKALINITY (SM20 2320 B)
	1 x 250ml poly	YES	HNO3	LANCASTER	CALCIUM (6010)
	1 x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	3 x voa vial	YES	HCL	LANCASTER	DISSOLVED METHANE (RSK-175)

COMMENTS: 8" Box (1BF) (UNKNOWN BRAND)

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories 5 [illegible] 03 0413-04

Please forward the lab results directly to the Lead Consultant and cc: G-R.

For Lancaster Laboratories use only

Acct. #: ________ Sample # ________ Group #: 015478

1 of 2

Facility #: SS#307233-OML G-R#385875 Global ID#T0600196022

Site Address: 2259 FIRST STREET, LIVERMORE, CA

Chevron PM: CM   Lead Consultant: CRASB Silva

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanne L. Harding (deanne@grinc.com)

Consultant Phone #: 925-551-7555   Fax #: 925-551-7899

Sampler: [illegible]

Analyses Requested (Preservation Codes: BTEX + MTBE 8260 ☒ 8021 ☐ – H; TPH 8015 MOD GRO – H; Dissolved sulfide – B; Calcium 6010 – N)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	TPH - DRO (8015)	Oxygenates	Total Alkalinity Method SM 2320B	Dissolved methane Method RSK-175	Dissolved sulfide SM 4500 S2D	Sulfate EPA 300.0	Calcium 6010		
QA	3/4/13		X			X		2	X	X										
MW-1	3/4/13	1220	X			X		8	X	X	X	X								
MW-2	3/4/13	0920	X			X		8	X	X	X	X								
MW-3	3/4/13	1315	X			X		8	X	X	X	X								
MW-4	3/4/13	1150	X			X		8	X	X	X	X								
MW-5	3/4/13	0915	X			X		8	X	X	X	X								
MW-6	3/4/13	1050	X			X		8	X	X	X	X								
MW-7	3/4/13	0815	X			X		16	X	X	X	X		X	X	X	X	X		
MW-8	3/4/13	1115	X			X		16	X	X	X	X		X	X	X	X	X		
MW-9	3/4/13	1110	X			X		16	X	X	X	X		X	X	X	X	X		
MW-10	3/4/13	1315	X			X		16	X	X	X	X		X	X	X	X	X		
MW-11	3/4/13	1015	X			X		16	X	X	X	X		X	X	X	X	X		
MW-12	3/4/13	1225	X			X		16	X	X	X	X		X	X	X	X	X		

Matrix: ☐ Potable ☐ NPDES

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Please report DRO w/sgc using 10 grams of silica and also report 1 gram shake results

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required) EDF/EDD
QC Summary Type I - Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	3.4.13	1600	[illegible]		[illegible]
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other ____			Received by:	Date	Time
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories 23413-04

Please forward the lab results directly to the Lead Consultant and cc: G-R.

For Lancaster Laboratories use only

Acct. #: _____ Sample # _____ Group #: 015480

2 of 2

Facility #: SS#307233-OML G-R#385876 Global ID#T0600196622

Site Address: 2259 FIRST STREET, LIVERMORE, CA

Chevron PM: CM Lead Consultant: CRASB Silva

Consultant/Office: ~~G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568~~ ~~Deanna L. Harding (deanna@grinc.com)~~

Consultant Prj. Mgr.: 925-551-7555 925-551-7899

Consultant Phone #: _____ Fax #: _____

Sampler: Jim Herrera

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil	Matrix: Air	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup ☐	8260 full scan	Oxygenates ___	Total Lead Method ___	Dissolved Lead Method ___	Ferrous Iron SM 3500 Fe b				
MW-7	2/11/13	0815	X			X			1								X				
MW-8		1115	X			X			1								X				
MW-9		1110	X			X											X				
MW-10		1315	X			X											X				
MW-11		1015	X			X											X				
MW-12		1225	X			X											X				

Preservation Codes

H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed

☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation

☐ Confirm highest hit by 8260

☐ Confirm all hits by 8260

☐ Run ____ oxy's on highest hit

☐ Run ____ oxy's on all hits

Comments / Remarks

Please report DRO w/sgc using 10 grams of silica and also report 1 gram shake results

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full EDF/EDD
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	4/3	1600	[illegible]	MAR13	1600
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other ____			Received by:	Date	Time
Temperature Upon Receipt ____ C°			Custody Seals Intact? Yes No		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

March 18, 2013

Project: 307233

Submittal Date: 03/06/2013
Group Number: 1373445
PO Number: 0015118372
Release Number: MACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-130304 NA Water	6974226
MW-1-W-130304 Grab Water	6974227
MW-1-W-130304 Grab Water	6974228
MW-2-W-130304 Grab Water	6974229
MW-2-W-130304 Grab Water	6974230
MW-3-W-130304 Grab Water	6974231
MW-3-W-130304 Grab Water	6974232
MW-4-W-130304 Grab Water	6974233
MW-4-W-130304 Grab Water	6974234
MW-5-W-130304 Grab Water	6974235
MW-5-W-130304 Grab Water	6974236
MW-6-W-130304 Grab Water	6974237
MW-6-W-130304 Grab Water	6974238
MW-7-W-130304 Grab Water	6974239
MW-7-W-130304 Grab Water	6974240
MW-8-W-130304 Grab Water	6974241
MW-8-W-130304 Grab Water	6974242
MW-9-W-130304 Grab Water	6974243
MW-9-W-130304 Grab Water	6974244
MW-10-W-130304 Grab Water	6974245
MW-10-W-130304 Grab Water	6974246
MW-11-W-130304 Grab Water	6974247
MW-11-W-130304 Grab Water	6974248
MW-12-W-130304 Grab Water	6974249
MW-12-W-130304 Grab Water	6974250

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

ELECTRONIC COPY TO	CRA c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	CRA	Attn: Brian Silva

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: QA-T-130304 NA Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974226
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSLQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 13:58	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 13:58	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 11:53	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 11:53	Catherine J Schwarz	1

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Analysis Report

Sample Description: MW-1-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974227
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 12:20 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 14:25	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 14:25	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 16:06	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 16:06	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 04:32	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-1-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974228
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 12:20 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	170	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/12/2013 22:35	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-2-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974229
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 09:20 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
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San Ramon CA 94583

FSL02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 15:48	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 15:48	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 16:32	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 16:32	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 04:55	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-2-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974230
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 09:20 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

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San Ramon CA 94583

FLQ02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/12/2013 22:57	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-3-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974231
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 13:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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FSL03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	150	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Toluene	108-88-3	3	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,500	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	240	50	1

The reverse surrogate, capric acid, is present at <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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 16:16	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 16:16	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 16:57	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 16:57	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 05:18	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-3-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974232
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 13:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

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FLQ03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	360	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/12/2013 23:20	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-4-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974233
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:50 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

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FSL04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	0.6	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	350	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	100	50	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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 16:44	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 16:44	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 17:23	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 17:23	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 05:40	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-4-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974234
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:50 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
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FLQ04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	170	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/12/2013 23:43	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-5-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974235
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 09:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

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FSL05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 17:12	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 17:12	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 17:48	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 17:48	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 06:03	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-5-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974236
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 09:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
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San Ramon CA 94583

FLQ05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 00:06	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-6-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974237
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 10:50 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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San Ramon CA 94583

FSL06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	0.6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	210	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	160	50	1
	The reverse surrogate, capric acid, is present at <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 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 17:40	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 17:40	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 18:14	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 18:14	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 06:26	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-6-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974238
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 10:50 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	210	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 00:29	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-7-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974239
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 08:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL07

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	1,900	5	10
10943	Ethylbenzene		100-41-4	370	5	10
10943	Toluene		108-88-3	26	5	10
10943	Xylene (Total)		1330-20-7	390	5	10
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	18,000	500	10
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	16,000	600	200
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	34,000	170	5
	Due to the dilution of the sample extract, capric acid recovery can not be determined.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	127,000	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	221,000	6,000	20
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	679,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	6,300	500	50
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	880	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-7-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974239
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 08:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 18:07	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 18:07	Emily R Styer	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	2	13066A07A	03/08/2013 21:37	Catherine J Schwarz	10
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 21:37	Catherine J Schwarz	10
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 21:53	Elizabeth J Marin	200
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/15/2013 03:22	Christine E Dolman	5
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 14:27	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131A	03/12/2013 18:25	Clinton M Wilson	20
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 05:34	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	50
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-7-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974240
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 08:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	46,000	330	10

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/14/2013 09:28	Michele D Hamilton	10
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-8-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974241
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL08

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	N.D.	3	5
10943	Ethylbenzene		100-41-4	N.D.	3	5
10943	Toluene		108-88-3	N.D.	3	5
10943	Xylene (Total)		1330-20-7	N.D.	3	5
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	4,700	50	1
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	2,700	60	20
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	6,300	50	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	22,100	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	N.D.	1,500	5
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	223,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	2,500	200	20
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	150	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-8-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974241
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 18:35	Emily R Styer	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 18:35	Emily R Styer	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 18:39	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 18:39	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 22:10	Elizabeth J Marin	20
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 06:49	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 14:31	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131A	03/10/2013 03:50	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 05:49	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	20
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-8-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974242
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
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6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	9,400	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 02:22	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-9-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974243
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:10 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL09

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	N.D.	0.5	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1
10943	Toluene		108-88-3	N.D.	0.5	1
10943	Xylene (Total)		1330-20-7	N.D.	0.5	1
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	N.D.	50	1
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	15	3.0	1
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	176,000	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	135,000	3,000	10
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	342,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	520	40	4
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-9-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974243
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:10 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL09

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 19:03	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 19:03	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13066A07A	03/08/2013 19:05	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13066A07A	03/08/2013 19:05	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 13:36	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 07:12	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 14:35	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131A	03/10/2013 04:06	Clinton M Wilson	10
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 05:55	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	4
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-9-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974244
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 11:10 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 00:51	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-10-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974245
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 13:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL10

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	N.D.	0.5	1
10943	Ethylbenzene		100-41-4	9	0.5	1
10943	Toluene		108-88-3	N.D.	0.5	1
10943	Xylene (Total)		1330-20-7	4	0.5	1
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	1,900	50	1
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	2,100	60	20
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	6,100	50	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	27,400	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	5,800	1,500	5
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	273,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	3,600	250	25
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	110	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-10-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974245
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 13:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 19:30	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 19:30	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	2	13067A94A	03/08/2013 13:37	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13067A94A	03/08/2013 13:37	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 22:28	Elizabeth J Marin	20
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 07:35	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 12:53	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131A	03/10/2013 04:22	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 06:01	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	25
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-10-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974246
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 13:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	8,300	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 02:00	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-11-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974247
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 10:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL11

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	N.D.	0.5	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1
10943	Toluene		108-88-3	N.D.	0.5	1
10943	Xylene (Total)		1330-20-7	N.D.	0.5	1
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	N.D.	50	1
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	6.9	3.0	1
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	38,500	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	59,600	1,500	5
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	259,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	800	50	5
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-11-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974247
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 10:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130672AA	03/08/2013 19:58	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130672AA	03/08/2013 19:58	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	2	13067A94A	03/08/2013 14:02	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13067A94A	03/08/2013 14:02	Catherine J Schwarz	1
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 14:12	Elizabeth J Marin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 07:57	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 14:39	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131A	03/10/2013 04:37	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 06:07	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	5
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-11-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974248
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 10:15 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 01:14	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Sample Description: MW-12-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974249
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 12:35 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL12

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles		**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene		71-43-2	26	0.5	1
10943	Ethylbenzene		100-41-4	20	0.5	1
10943	Toluene		108-88-3	2	0.5	1
10943	Xylene (Total)		1330-20-7	16	0.5	1
GC Volatiles		**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water	C6-C12	n.a.	3,200	250	5
GC Miscellaneous		**SW-846 8015B modified**		**ug/l**	**ug/l**	
07105	Methane		74-82-8	1,100	30	10
GC Petroleum Hydrocarbons w/Si		**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel		n.a.	590	50	1
	The reverse surrogate, capric acid, is present at <1%.					
Metals		**SW-846 6010B**		**ug/l**	**ug/l**	
01750	Calcium		7440-70-2	80,300	64.0	1
Wet Chemistry		**EPA 300.0**		**ug/l**	**ug/l**	
00228	Sulfate		14808-79-8	19,400	1,500	5
		SM 2320 B-1997		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity		n.a.	559,000	700	1
		SM 3500-Fe B modified-1997		**ug/l**	**ug/l**	
08344	Ferrous Iron		n.a.	4,700	250	25
		SM 4500-S2 D-2000		**ug/l**	**ug/l**	
10499	Dissolved Sulfide		n.a.	N.D.	54	1

General Sample Comments

State of California Lab Certification No. 2501
The ferrous iron container was submitted to the laboratory on 03/05/13 at 09:25.

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

Sample Description: MW-12-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974249
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 12:35 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FSL12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	P130701AA	03/11/2013 19:15	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130701AA	03/11/2013 19:15	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13074A07A	03/15/2013 16:29	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	13074A07A	03/15/2013 16:29	Catherine J Schwarz	5
07105	Volatile Headspace Hydrocarbon	SW-846 8015B modified	1	130720020A	03/15/2013 22:46	Elizabeth J Marin	10
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670010A	03/14/2013 08:20	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670010A	03/11/2013 09:30	William H Saadeh	1
01750	Calcium	SW-846 6010B	1	130671848001	03/11/2013 14:43	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130671848001	03/10/2013 23:30	Annamaria Stipkovits	1
00228	Sulfate	EPA 300.0	1	13068987131B	03/10/2013 04:53	Clinton M Wilson	5
12150	Total Alkalinity	SM 2320 B-1997	1	13067001102A	03/08/2013 06:13	Clayton C Litchmore	1
08344	Ferrous Iron	SM 3500-Fe B modified-1997	1	13066834402A	03/07/2013 21:25	Daniel S Smith	25
10499	Dissolved Sulfide	SM 4500-S2 D-2000	1	13066023001A	03/07/2013 09:40	Susan E Hibner	1

Sample Description: MW-12-W-130304 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622

LLI Sample # WW 6974250
LLI Group # 1373445
Account # 10904

Project Name: 307233

Collected: 03/04/2013 12:35 by JH

Submitted: 03/06/2013 16:40
Reported: 03/18/2013 15:24

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

FLQ12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,800	50	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130670011A	03/13/2013 01:37	Michele D Hamilton	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	130670011A	03/11/2013 09:30	William H Saadeh	1

Quality Control Summary

Client Name: Chevron Group Number: 1373445
Reported: 03/18/13 at 03:24 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 Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: P130672AA	Sample number(s): 6974226-6974227,6974229,6974231,6974233,6974235,6974237,6974239,6974241,6974243,6974245,6974247							
Benzene	N.D.	0.5	ug/l	98		77-121		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	95		77-120		
Batch number: P130701AA	Sample number(s): 6974249							
Benzene	N.D.	0.5	ug/l	96		77-121		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	94		77-120		
Batch number: 13066A07A	Sample number(s): 6974226-6974227,6974229,6974231,6974233,6974235,6974237,6974239,6974241,6974243							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	113	109	75-135	4	30
Batch number: 13067A94A	Sample number(s): 6974245,6974247							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	108	108	75-135	0	30
Batch number: 13074A07A	Sample number(s): 6974249							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	107	111	75-135	3	30
Batch number: 130720020A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249							
Methane	N.D.	3.0	ug/l	88		80-120		
Batch number: 130670010A	Sample number(s): 6974227,6974229,6974231,6974233,6974235,6974237,6974239,6974241,6974243,6974245,6974247,6974249							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	78	75	43-120	4	20
Batch number: 130670011A	Sample number(s): 6974228,6974230,6974232,6974234,6974236,6974238,6974240,6974242,6974244,6974246,6974248,6974250							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	91	97	43-120	7	20
Batch number: 130671848001	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249							
Calcium	N.D.	64.0	ug/l	104		90-110		
Batch number: 13068987131A	Sample number(s): 6974239,6974241,6974243,6974245,6974247							
Sulfate	N.D.	300.	ug/l	98		90-110		
Batch number: 13068987131B	Sample number(s): 6974249							

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1373445
Reported: 03/18/13 at 03:24 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Sulfate	N.D.	300.	ug/l	98		90-110		
Batch number: 13066023001A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249							
Dissolved Sulfide	N.D.	54.	ug/l	96		90-110		
Batch number: 13066834402A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249							
Ferrous Iron	N.D.	10.	ug/l	100		93-105		
Batch number: 13067001102A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249							
Total Alkalinity	950	700.	ug/l as CaCO3	102		90-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: P130672AA	Sample number(s): 6974226-6974227,6974229,6974231,6974233,6974235,6974237,6974239,6974241,6974243,6974245,6974247 UNSPK: 6974227								
Benzene	101	103	72-134	2	30				
Ethylbenzene	98	101	71-134	3	30				
Toluene	98	100	80-125	2	30				
Xylene (Total)	99	101	79-125	3	30				
Batch number: P130701AA	Sample number(s): 6974249 UNSPK: P975441								
Benzene	102	101	72-134	0	30				
Ethylbenzene	102	101	71-134	1	30				
Toluene	103	103	80-125	0	30				
Xylene (Total)	99	100	79-125	1	30				
Batch number: 130720020A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249 UNSPK: P975962								
Methane	-1828 (2)	-1652 (2)	35-157	2	20				
Batch number: 130671848001	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249 UNSPK: 6974245 BKG: 6974245								
Calcium	117 (2)	110 (2)	81-118	1	20	27,400	27,100	1	20
Batch number: 13068987131A	Sample number(s): 6974239,6974241,6974243,6974245,6974247 UNSPK: P973839 BKG: P973839								
Sulfate	103		90-110			N.D.	N.D.	0 (1)	20
Batch number: 13068987131B	Sample number(s): 6974249 UNSPK: 6974249 BKG: 6974249								
Sulfate	97		90-110			19,400	20,600	6 (1)	20
Batch number: 13066023001A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249 UNSPK: P974061 BKG: P974061								
Dissolved Sulfide	100	90	43-137	8	16	160	150	7* (1)	5
Batch number: 13066834402A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249 UNSPK: 6974249								

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1373445
Reported: 03/18/13 at 03:24 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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
	BKG: 6974249								
Ferrous Iron	96	102	81-112	5	6	4,700	4,900	4 (1)	5
Batch number: 13067001102A	Sample number(s): 6974239,6974241,6974243,6974245,6974247,6974249 UNSPK: P974825 BKG: P974825								
Total Alkalinity	100		73-121			11,000	12,000	9*	5

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: P130672AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6974226	103	99	98	97
6974227	101	98	98	97
6974229	102	96	97	96
6974231	102	99	97	104
6974233	100	98	97	99
6974235	101	97	97	96
6974237	101	99	96	100
6974239	100	94	97	102
6974241	101	97	96	102
6974243	102	98	97	97
6974245	101	98	97	101
6974247	101	100	97	98
Blank	102	100	98	98
LCS	102	101	98	98
MS	101	101	97	98
MSD	102	101	97	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: P130701AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6974249	100	98	98	99
Blank	100	101	99	93
LCS	101	102	99	94
MS	100	101	98	93
MSD	101	102	99	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 13066A07A

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Group Number: 1373445
Reported: 03/18/13 at 03:24 PM

Surrogate Quality Control

	Trifluorotoluene-F
6974226	88
6974227	89
6974229	90
6974231	105
6974233	95
6974235	86
6974237	88
6974239	95
6974241	123
6974243	86
Blank	83
LCS	92
LCSD	94
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 13067A94A

	Trifluorotoluene-F
6974245	90
6974247	71
Blank	71
LCS	87
LCSD	86
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 13074A07A

	Trifluorotoluene-F
6974249	94
Blank	89
LCS	98
LCSD	97
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 130670010A

	Orthoterphenyl
6974227	83
6974229	90
6974231	83
6974233	75
6974235	89
6974237	75
6974239	69
6974241	57
6974243	81
6974245	85
6974247	88

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron
Group Number: 1373445
Reported: 03/18/13 at 03:24 PM

Surrogate Quality Control

6974249	86
Blank	94
LCS	88
LCSD	84
Limits:	46-131

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 130670011A

Orthoterphenyl

6974228	101
6974230	101
6974232	96
6974234	85
6974236	100
6974238	86
6974240	96
6974242	81
6974244	93
6974246	98
6974248	102
6974250	99
Blank	101
LCS	107
LCSD	108
Limits:	46-131

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 130720020A

Propene

6974239	108
6974241	111
6974243	78
6974245	110
6974247	92
6974249	101
Blank	105
LCS	91
MS	48
MSD	54
Limits:	42-131

*- Outside of specification
(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 California Region Analysis Request/Chain of Custody

Lancaster Laboratories 5866 03 0413-04

For Lancaster Laboratories use only
Acct. #: 10904 Sample #: 1974226-50 Group #: 015478

Please forward the lab results directly to the Lead Consultant and cc: G-R.

G#1373445 1 of 2

Facility #: SS#307233-OML G-R#385876 Global ID#T0600196622
Site Address: 2259 FIRST STREET, LIVERMORE, CA
Chevron PM: CM Lead Consultant: CRASB Silva
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Jim Herrin

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup ☐	TPH-D20 (8015)	Oxygenates	Total Alkalinity as CaCO3 Method 310.1R	Dissolved Methane Method RSK-175	Dissolved sulfide SM20 4500 S2D	Sulfate EPA300.0	Calcium 6010
QA	3/4/13		X			X		2	X									
MW-1		1220	X			X		8	X	X	X	X						
MW-2		0920	X			X			X	X	X	X						
MW-3		1315	X			X			X	X	X	X						
MW-4		1150	X			X			X	X	X	X						
MW-5		0915	X			X			X	X	X	X						
MW-6		1050	X			X			X	X	X	X						
MW-7		0815	X			X		16	X	X	X	X		X	X	X	X	X
MW-8		1115	X			X			X	X	X	X		X	X	X	X	X
MW-9		1110	X			X			X	X	X	X		X	X	X	X	X
MW-10		1315	X			X			X	X	X	X		X	X	X	X	X
MW-11		1015	X			X			X	X	X	X		X	X	X	X	X
MW-12		1235	X			X			X	X	X	X		X	X	X	X	X

Analyses Requested

Preservation Codes

H H B N

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Please report DRO w/sgc using 10 grams of silica and also report 1 gram shake results

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full **EDF/EDD**
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

		Date	Time		Date	Time
Relinquished by:		3.4.13	1600	Received by:		
Relinquished by:		3/5/13	1638	Received by:	DHC	
Relinquished by:				Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other ✓				Received by:		
Temperature Upon Receipt 12.2°C				Custody Seals Intact? Yes No		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories 03 0413-04

For Lancaster Laboratories use only — Acct. #: 10904 Sample #: 0974226-50 Group #: 015480

G# 1373445 2 of 2

Please forward the lab results directly to the Lead Consultant and cc: G-R.

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Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Jim Herren

Matrix: ☐ Potable ☐ NPDES; Soil / Water / Oil ☐ Air

Analyses Requested — **Preservation Codes**

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Total Lead Method ___	Dissolved Lead Method ___	H	Ferrous Iron SM 3500 Fe b
MW-7	3/4/13	0815	X			X		1									X
MW-8		1115	X			X											X
MW-9		1110	X			X											X
MW-10		1315	X			X											X
MW-11		1015	X			X											X
MW-12		1235	X			X											X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ___ oxy's on highest hit
☐ Run ___ oxy's on all hits

Comments / Remarks

Please report DRO w/sgc using 10 grams of silica and also report 1 gram shake results

Turnaround Time Requested (TAT) (please circle)
STD. TAT — 72 hour — 48 hour
24 hour — 4 day — 5 day

Data Package Options (please circle if required)
QC Summary — Type I - Full — **EDF/EDD**
Type VI (Raw Data) — ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	3.4.13	1600	Received by:	MAR13	1600
Relinquished by:	MAR13	1630	Received by: FEDEX		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	3-5-13	925
Temperature Upon Receipt 0.2 - 1.7 C°			Custody Seals Intact? Yes No		

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	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)
C	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 limit of quantitation, 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	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*****	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	**+**	Correlation coefficient for MSA <0.995

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.