Roya Kambin
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6270
rkambin@chevron.com

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 No. RO2908

I accept the First Quarter 2012 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 2012 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,

Roya Kambin
Project Manager

Attachment: First Quarter 2012 Groundwater Monitoring and Sampling Report

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
http://www.craworld.com

April 26, 2012 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 2012
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 Semi-Annual 2012 Groundwater Monitoring and Sampling Report* for the site referenced above (Figures 1, 2, and 3) 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 March 20, 2012 *Groundwater Monitoring and Sampling Data Package* is included as Attachment A. Current and historical groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' March 26, 2012 *Analytical Results* is included as Attachment B.

CONESTOGA-ROVERS & ASSOCIATES

Please contact Kiersten Hoey at (510) 420-3347 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

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

Kiersten Hoey

Brandon S. Wilken PG 7564

KH/cw/17
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: Mr. Roya Kambin, Chevron *(electronic copy)*
Mr. Eric Uranaga, City of Livermore Economic Development

FIGURES

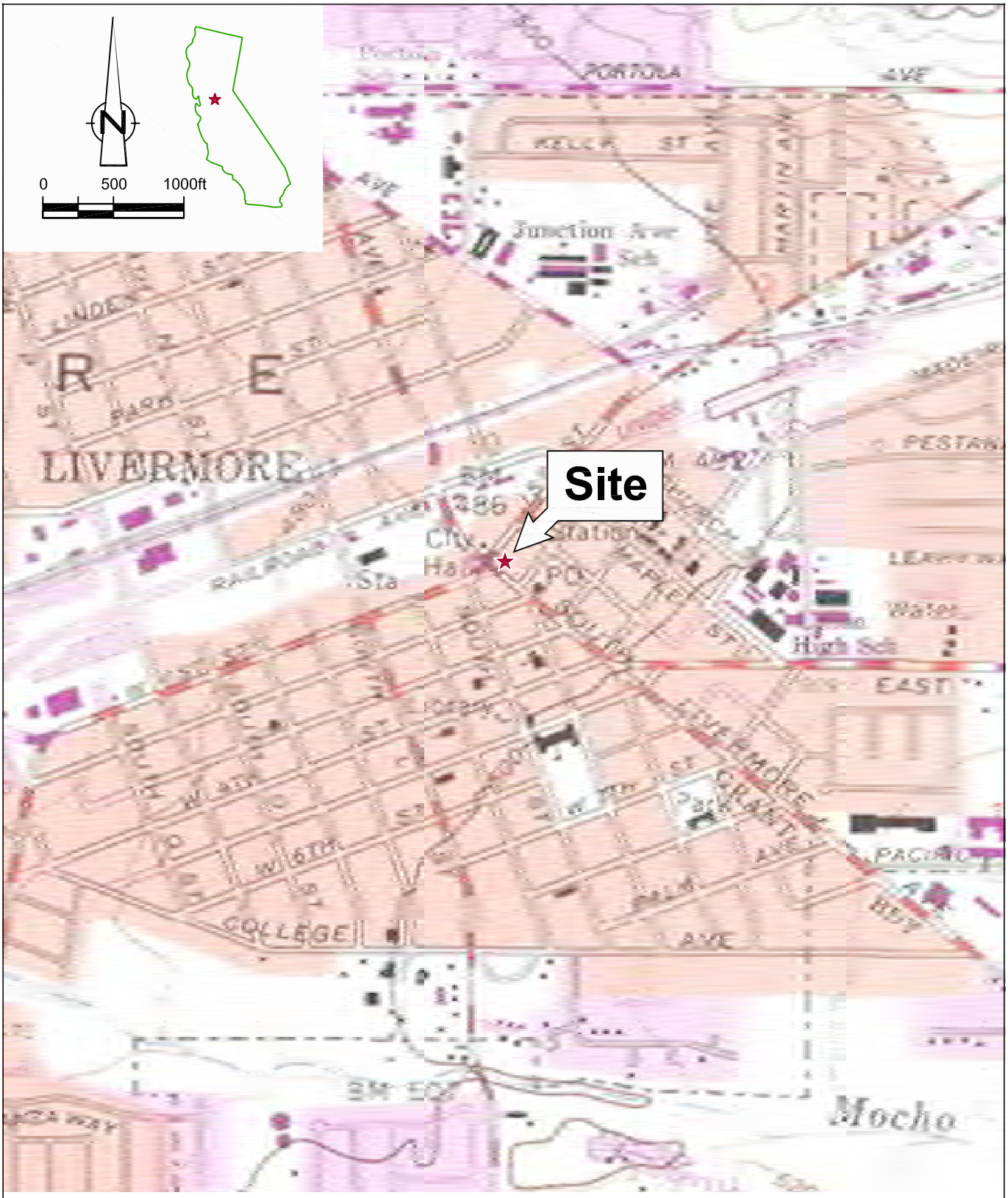

Figure 1

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

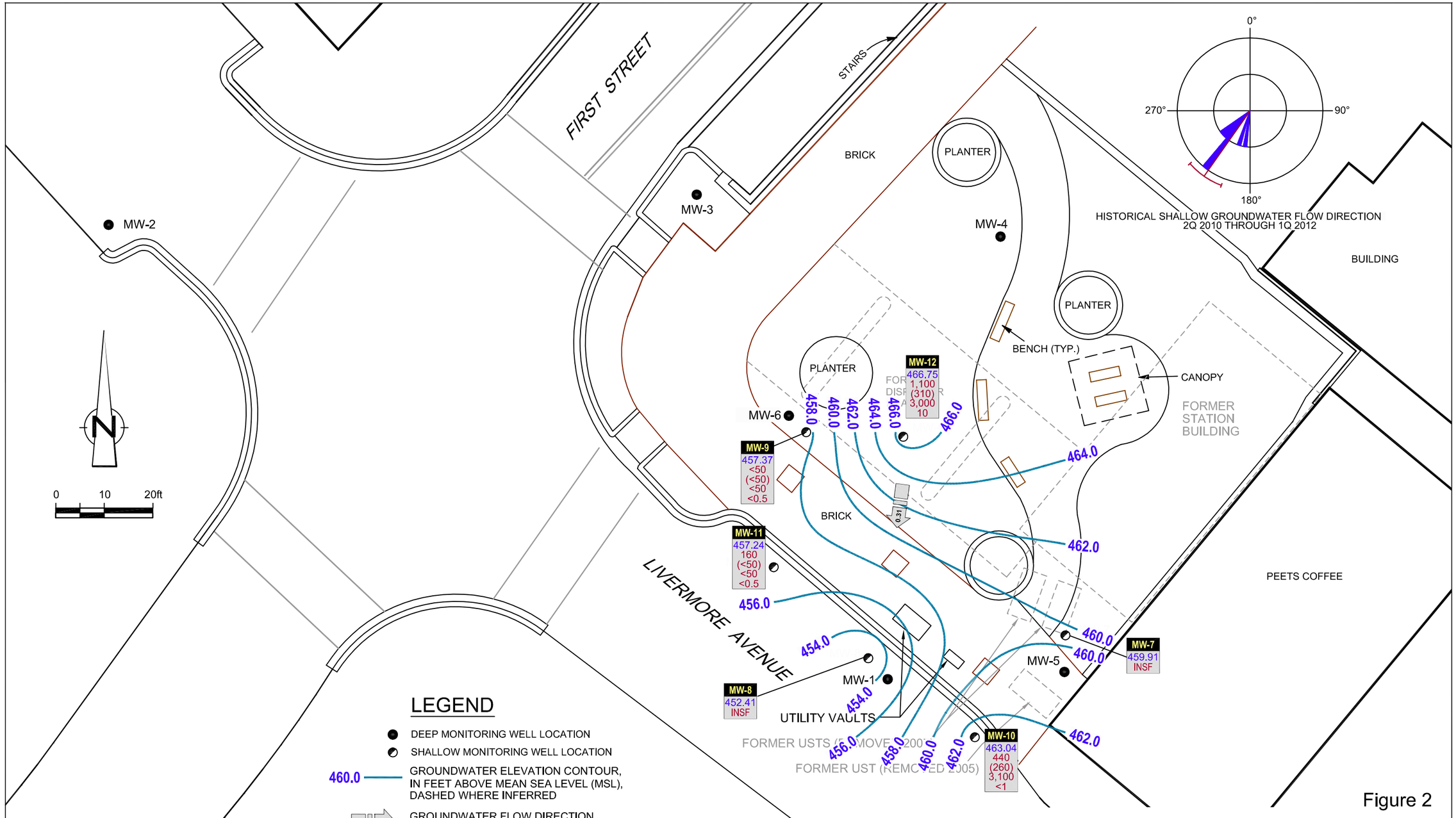

Figure 2

SHALLOW ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 307233)
2259 FIRST STREET
Livermore, California
March 12, 2012

312264-95(017)GN-EM002 APR 24/2012

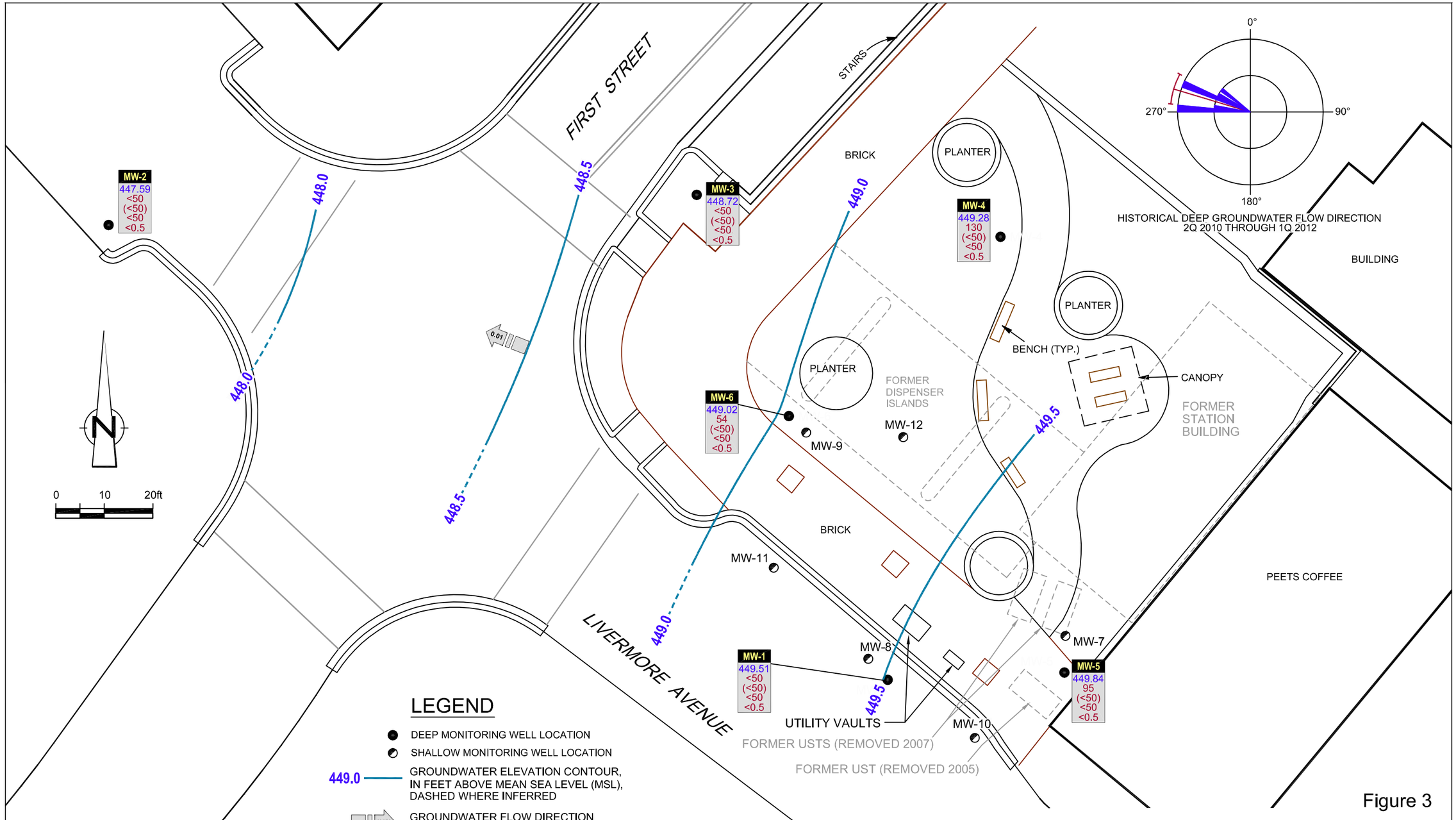

Figure 3

DEEP ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 307233)
2259 FIRST STREET
Livermore, California
March 12, 2012

312264-95(017)GN-EM003 APR 24/2012

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*	*Ferrous Iron*
	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*
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**	**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-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**	**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-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	-	-	-

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*	*Ferrous Iron*
	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*
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**	**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-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
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**	**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-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	-	-	-

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*	*Ferrous Iron*
	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*
MW-5	**03/09/2012**	**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-6	05/25/2010[1]	491.52	31.63	459.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-
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**	**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-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

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*	*Ferrous Iron*
	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*
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-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-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
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**	**491.64**	**-**	**-**	**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*	*Ferrous Iron*
	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*
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-10	**03/09/2012**	**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-11	**03/09/2012**	**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-12	**03/09/2012**	**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**	**-**	**-**	**-**
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**	**-**	**-**	**-**

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*	*Ferrous Iron*
	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*

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Water

GWE = Groundwater elevation

(ft-amsl) = Feet Above Mean sea level

ft = Feet

µg/L = Micrograms per Liter

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

VOCS = Volatile Organic Compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

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

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.

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

March 20, 2012
G-R #385876

TO: Ms. Kiersten Hoey
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

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 **Well Development of March 9, 2012 and** **First Quarter Event of March 12, 2012**

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: 3.9.12

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-10	OK									8" WELL BOX NO WELL BOX I.D.	
MW-11	OK										
MW-12	OK										

Comments

WELL CONDITION STATUS SHEET

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

Site Address: **2259 First Street** Event Date: 3-12-12

City: **Livermore, CA** Sampler: ML FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)missing	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 Yes / No
MW-1	OK							NO	NO	EMCO/12"/2	NO
MW-2	OK									"	
MW-3	OK									MORRISON/7"/2	
MW-4	OK									"	
MW-5	OK									EMCO/12"/2	
MW-6	OK									MORRISON/7"/2	
MW-7	OK									"	
MW-8	OK									EMCO/12"/2	
MW-9	OK									MORRISON/7"/2	
MW-10	OK									NO ID/8"/2	
MW-11	OK									"	
MW-12	OK									"	

Comments

FORMER CHEVRON SERVICE STATION #307233
Livermore, CA

WELL DEVELOPMENT EVENT OF
March 9, 2012

GETTLER-RYAN INC.

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

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

Site Address: **2259 First Street** Event Date: 3.9.12 (inclusive)

City: **Livermore, CA** Sampler: FT

Well ID **MW-10** Date Monitored: 3.9.12

Well Diameter 2 in.

Initial Total Depth 32.38 ft.

Final Total Depth 32.38 ft.

Depth to Water 28.00 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

4.38 xVF .17 = .74 x10 case volume = Estimated Purge Volume: 7.0 gal.

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

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): 0930 Weather Conditions: SUNNY

Sample Time/Date: — / — Water Color: BRN. Odor: Y / (N)

Approx. Flow Rate: .50 → .75 gpm. Sediment Description: SILTY

Did well de-water? Yes If yes, Time: 0950 Volume: 4.0 gal. DTW @ Sampling: —

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0931	.75	7.72	712	18.4		
0932	1.5	7.70	710	19.0		
0937	2.25	7.68	709	19.6		
0942	3.0	7.66	707	20.0		
0947	3.75	7.65	705	20.4		
0950	4.0	7.67	706	20.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: **INITIAL CGI READING:** 10 PPM

DEVELOP ONLY

8" WELL BOX

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

GETTLER-RYAN INC.

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #307233 | Job Number: 385876
Site Address: 2259 First Street | Event Date: 3.9.12 (inclusive)
City: Livermore, CA | Sampler: FT

Well ID: MW-11 | Date Monitored: 3.9.12
Well Diameter: 2 in.
Initial Total Depth: 34.73 ft.
Final Total Depth: 34.73 ft.
Depth to Water: 31.48 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

3.25 xVF .17 = .55 x10 case volume = Estimated Purge Volume: 6.0 gal.

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

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): 1015 | Weather Conditions: SUNNY
Sample Time/Date: — / — | Water Color: BRN. | Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. | Sediment Description: S. SILTY
Did well de-water? Yes | If yes, Time: 1035 | Volume: 4.0 gal. | DTW @ Sampling: —

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1018	.60	7.82	696	19.2		
1021	1.20	7.80	699	18.8		
1024	1.80	7.79	702	18.7		
1027	2.40	7.77	704	18.8		
1031	3.00	7.75	706	18.9		
1035	4.0	7.74	708	18.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: INITIAL CGI READING: 15 PPM
DEVELOP ONLY
8" WELL BOX

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

GETTLER-RYAN INC.

WELL MONITORING/DEVELOPMENT FIELD DATA SHEET

Client/Facility#: Chevron #307233 | Job Number: 385876
Site Address: 2259 First Street | Event Date: 3.9.12 (inclusive)
City: Livermore, CA | Sampler: FT

Well ID: MW-12 | Date Monitored: 3.9.12
Well Diameter: 2 in.
Initial Total Depth: 34.49 ft.
Final Total Depth: 34.49 ft.
Depth to Water: 25.43 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.

9.06 xVF .17 = 1.54 x10 case volume = Estimated Purge Volume: 15.0 gal.

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

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): 1110 | Weather Conditions: SUNNY
Sample Time/Date: — / — | Water Color: BRN. | Odor: (Y) / N SLIGHT
Approx. Flow Rate: — gpm. | Sediment Description: S. SILTY
Did well de-water? YES | If yes, Time: 1145 | Volume: 6.0 gal. | DTW @ Sampling: —

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1118	1.5	8.10	810	18.3		
1126	3.0	8.08	813	18.1		
1134	4.5	8.06	816	18.0		
1145	6.0	8.04	821	17.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: INITIAL CGI READING: 20 PPM
DEVELOP ONLY
8" WELL BOX

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

FORMER CHEVRON SERVICE STATION #307233
Livermore, CA

QUARTERLY MONITORING EVENT OF
March 12, 2012

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 3.12.12 (inclusive)
City: Livermore, CA Sampler: FT

Well ID MW-1 Date Monitored: 3.12.12
Well Diameter 2
Total Depth 58.81 ft.
Depth to Water 41.35 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.

17.46 xVF .17 = 2.96 x3 case volume = Estimated Purge Volume: 9.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 44.84

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): 1230 Weather Conditions: CLOUDY/SUNNY
Sample Time/Date: 1300 / 3.12.12 Water Color: CLEAN Odor: Ⓨ / N SLIGHT
Approx. Flow Rate: ~ gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 41.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)
1236	3.0	7.52	728	18.4		
1242	6.0	7.49	724	18.6		
1249	9.0	7.46	720	18.9		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: EMCO 12" OK

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: 3-12-12 (inclusive)
City: Livermore, CA Sampler: ML

Well ID MW-2 Date Monitored: 3-12-12
Well Diameter 2
Total Depth 58.60 ft.
Depth to Water 41.84 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.

16.76 xVF .17 = 2.8 x3 case volume = Estimated Purge Volume: 8.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.19

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): 0830 Weather Conditions: SUNNY
Sample Time/Date: 0910 / 3-12-12 Water Color: CLOUDY Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 42.02

Time (2400 hr.)	Volume (gal.)	pH	Conductivity mS (~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0840	3	7.50	0.76	12.0		
0850	6	7.46	0.80	12.4		
0858	8.5	7.44	0.81	12.5		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

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: 3-12-12 (inclusive)
City: Livermore, CA Sampler: MC

Well ID MW-3 Date Monitored: 3-12-12
Well Diameter 2
Total Depth 59.36 ft.
Depth to Water 41.66 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.

17.70 xVF .17 = 3.0 x3 case volume = Estimated Purge Volume: 9 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.20

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): 1115 Weather Conditions: Sunny
Sample Time/Date: 1200 / 3-12-12 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 41.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity mS (~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1125	3	7.72	0.92	14.9		
1135	6	7.69	0.90	15.4		
1144	9	7.67	0.94	15.6		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

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: 3-12-12 (inclusive)
City: Livermore, CA Sampler: ML

Well ID MW-4 Date Monitored: 3-12-12
Well Diameter 2
Total Depth 58.93 ft.
Depth to Water 42.99 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.

15.94 xVF .17 = 2.7 x3 case volume = Estimated Purge Volume: 8.1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.17

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): 1215 Weather Conditions: Sunny
Sample Time/Date: 1250 / 3-12-12 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: - gpm. Sediment Description: Light
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 43.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity mS (umhos/cm uS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1222	2.75	7.66	1.01	15.4		
1230	5.5	7.60	1.06	15.6		
1238	8.25	7.61	1.07	15.8		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

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: 3-12-12 (inclusive)

City: **Livermore, CA** Sampler: ML

Well ID **MW-5** Date Monitored: 3-12-12

Well Diameter **2**

Total Depth 58.87 ft.

Depth to Water 42.15 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.

16.72 xVF .17 = 2.8 x3 case volume = Estimated Purge Volume: 8.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.49

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): 0930 Weather Conditions: Sunny

Sample Time/Date: 1010 / 3-12-12 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: ~ gpm. Sediment Description: Light

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 42.41

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (mS) (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0940	3	7.50	11.5	0.90		
0950	6	7.46	11.9	0.86		
0958	8.5	7.47	11.9	0.86		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

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: 3-12-12 (inclusive)
City: Livermore, CA Sampler: ML

Well ID MW-6 Date Monitored: 3-12-12
Well Diameter 2
Total Depth 58.94 ft.
Depth to Water 42.50 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

☐ Check if water column is less then 0.50 ft.

16.44 xVF .17 = 2.7 x3 case volume = Estimated Purge Volume: 8.1 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 45.78

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): 1025 Weather Conditions: Sunny
Sample Time/Date: 1100 13-12-12 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 42.88

Time (2400 hr.)	Volume (gal.)	pH	Conductivity mS (~~umhos/cm~~ - ~~pS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1034	2.75	7.52	0.76	14.1		
1043	5.5	7.46	0.82	14.4		
1050	8.25	7.47	0.80	14.6		

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 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

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: 3-12-12 (inclusive)
City: Livermore, CA Sampler: ML

Well ID MW-7 Date Monitored: 3-12-12
Well Diameter 2
Total Depth 32.83 ft.
Depth to Water 32.38 ft.
0.45 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

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.

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): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: WELL DRY INSUFFICIENT WATER to Sample

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: 3.12.12 (inclusive)

City: **Livermore, CA** Sampler: FT

Well ID: MW-8 Date Monitored: 3.12.12

Well Diameter: 2

Total Depth: 38.89 ft.

Depth to Water: 38.48 ft. ☑ Check if water column is less then 0.50 ft.

.41 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

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	

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

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: ________

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: ____

Start Time (purge): ________ Weather Conditions: ________

Sample Time/Date: ____ / ____ Water Color: ________ Odor: Y / N ________

Approx. Flow Rate: ________ gpm. Sediment Description: ________

Did well de-water? ________ If yes, Time: ________ Volume: ________ gal. DTW @ Sampling: ________

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (μmhos/cm - μS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN/ TPH-DRO w/sgc(8015)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: [illegible] Emco 12" ok

[illegible]

INSUFFICIENT WATER TO SAMPLE

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: 3.12.12 (inclusive)
City: Livermore, CA | Sampler: FT

Well ID: MW-9 | Date Monitored: 3.12.12
Well Diameter: 2
Total Depth: 39.85 ft.
Depth to Water: 34.27 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.

5.58 xVF .17 = .94 x3 case volume = Estimated Purge Volume: 3.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 35.38

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): 1145 | Weather Conditions: Cloudy/Sunny
Sample Time/Date: 1215 / 3.12.12 | 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: 34.95

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1148	1.0	7.34	650	17.9		
1151	2.0	7.32	648	18.1		
1154	3.0	7.30	645	18.2		

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)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: Morrison 6" (OK)

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: 3.12.12 (inclusive)
City: Livermore, CA Sampler: FT

Well ID MW-10 Date Monitored: 3.12.12
Well Diameter 2
Total Depth 32.38 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.

4.27 xVF .17 = .72 x3 case volume = Estimated Purge Volume: 2.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.96

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): 0930 Weather Conditions: SUNNY
Sample Time/Date: 1000 / 3.12.12 Water Color: LT. BRN. Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: SLIGHTLY SILTY
Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 28.93

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0933	.75	7.38	640	17.2		
0936	1.5	7.36	645	17.8		
0940	2.0	7.35	649	18.0		

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)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: 8" Box OK

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: 3.12.12 (inclusive)
City: Livermore, CA | Sampler: FT

Well ID: MW-11 | Date Monitored: 3.12.12
Well Diameter: 2
Total Depth: 34.70 ft.
Depth to Water: 33.35 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.

1.35 xVF .17 = ~~.22~~ x3 case volume = Estimated Purge Volume: ~~.66~~ gal.

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

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): | Weather Conditions: SUNNY
Sample Time/Date: 1030 / 3.12.12 | Water Color: BRN | Odor: Y / (N)
Approx. Flow Rate: gpm. | Sediment Description: SILTY
Did well de-water? | If yes, Time: | Volume: gal. | DTW @ Sampling: —

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

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)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: GRAB SAMPLED WELL. INSUFFICIENT WATER FOR PURGING WOULD HAVE DE-WATERED. 8" BOX OK

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: 3.12.12 (inclusive)
City: Livermore, CA | Sampler: FF

Well ID: MW-12 | Date Monitored: 3.12.12
Well Diameter: 2
Total Depth: 34.49 ft.
Depth to Water: 26.97 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.

7.52 xVF .17 = 1.27 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.47

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): 1050 | Weather Conditions: SUNNY
Sample Time/Date: 1130 / 3.12.12 | Water Color: BRN | Odor: (O) / N MODERATE
Approx. Flow Rate: — gpm. | Sediment Description: S, SILTY
Did well de-water? YES | If yes, Time: 1057 | Volume: 3.0 gal. | DTW @ Sampling: 28.45

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1053	1.5	7.46	647	17.2		
1057	3.0	7.43	656	17.5		

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)
	x 1 liter ambers	YES	NP	CHEVRON RTC	CHEVRON PFI STUDY SAMPLES

COMMENTS: 8" WELL BOX

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

5~~00~~ AMBER
~~0~~3121 2-~~0~~7

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

For Lancaster Laboratories use only

Acct. #: ______ Sample # ______ Group #: 020405

~~SS#307233-OML G-R#385878 Global ID#T0600196022~~

Facility #: ~~2259 FIRST STREET, LIVERMORE, CA~~

Site Address: ~~EF~~ ~~CRAHK~~ ~~Hoey~~

Chevron PM: ~~G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568~~ Lead Consultant:

Consultant/Office: ~~Deanna L. Harding (deanna@grinc.com)~~

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

Consultant Phone #: ______ Fax #: ______

Sampler: MIKE LOMBARD

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + ~~MTBE~~ 8260 ☒ 8021 ☐ (H)	TPH 8015 MOD GRO (H)	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	TPH-DRO w/sgc COLUMN			
QA	3-12-12		X			X		2	X	X									
MW-1	↓	1300	X			X		8	X	X	X					X			
MW-2		0910	X			X		8	X	X	X					X			
MW-3		1200	X			X		8	X	X	X					X			
MW-4		1250	X			X		8	X	X	X					X			
MW-5		1010	X			X		8	X	X	X					X			
MW-6		1100	X			X		8	X	X	X					X			
MW-9		1215	X			X		8	X	X	X					X			
MW-10		1000	X			X		8	X	X	X					X			
MW-11		1030	X			X		8	X	X	X					X			
MW-12	↓	1130	X			X		8	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 (circled) 72 hour 48 hour
24 hour 4 day 5 day

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3-12-12	1330	[signature]	3-12-12	1330
[signature]	3-12-12	1550	[signature]	12MAR12	1550
Relinquished by Commercial Carrier: UPS FedEx Other ______			Received by:		
Temperature Upon Receipt ______ C°			Custody Seals Intact? Yes No		

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

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

March 26, 2012

Project: 307233

Submittal Date: 03/14/2012
Group Number: 1295102
PO Number: 0015075227
Release Number: FROHNAPPLE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-120312 NA Water	6577208
MW-1-W-120312 Grab Water	6577209
MW-1-W-120312 Grab Water	6577210
MW-2-W-120312 Grab Water	6577211
MW-2-W-120312 Grab Water	6577212
MW-3-W-120312 Grab Water	6577213
MW-3-W-120312 Grab Water	6577214
MW-4-W-120312 Grab Water	6577215
MW-4-W-120312 Grab Water	6577216
MW-5-W-120312 Grab Water	6577217
MW-5-W-120312 Grab Water	6577218
MW-6-W-120312 Grab Water	6577219
MW-6-W-120312 Grab Water	6577220
MW-9-W-120312 Grab Water	6577221
MW-9-W-120312 Grab Water	6577222
MW-10-W-120312 Grab Water	6577223
MW-10-W-120312 Grab Water	6577224
MW-11-W-120312 Grab Water	6577225
MW-11-W-120312 Grab Water	6577226
MW-12-W-120312 Grab Water	6577227
MW-12-W-120312 Grab Water	6577228

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: Kiersten Hoey

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: QA-T-120312 NA Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 QA

LLI Sample # WW 6577208
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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	P120764AA	03/17/2012 02:06	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 02:06	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12075A53A	03/16/2012 12:46	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12075A53A	03/16/2012 12:46	Laura M Krieger	1

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Analysis Report

Sample Description: MW-1-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 6577209
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 13:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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	P120764AA	03/17/2012 02:33	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 02:33	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12075A53A	03/16/2012 20:19	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12075A53A	03/16/2012 20:19	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 21:19	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-1-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 6577210
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 13:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ01

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	120770005A	03/20/2012 09:21	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-2-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 6577211
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 09:10 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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	P120764AA	03/17/2012 03:01	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 03:01	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12082A53A	03/22/2012 17:52	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12082A53A	03/22/2012 17:52	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 21:42	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-2-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 6577212
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 09:10 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ02

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	120770005A	03/20/2012 09:44	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-3-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 6577213
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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	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	P120764AA	03/17/2012 03:28	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 03:28	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12082A53A	03/22/2012 18:18	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12082A53A	03/22/2012 18:18	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 22:04	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-3-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 6577214
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ03

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	120770005A	03/20/2012 10:06	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-4-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-4

LLI Sample # WW 6577215
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:50 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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	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	P120764AA	03/17/2012 03:56	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 03:56	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 21:21	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 21:21	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 22:27	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-4-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-4

LLI Sample # WW 6577216
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:50 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ04

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.	130	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	120770005A	03/20/2012 10:28	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-5-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-5

LLI Sample # WW 6577217
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:10 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

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	P120764AA	03/17/2012 04:24	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 04:24	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 21:43	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 21:43	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 22:50	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-5-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-5

LLI Sample # WW 6577218
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:10 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ05

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.	95	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	120770005A	03/20/2012 10:50	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-6-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-6

LLI Sample # WW 6577219
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 11:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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	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	P120764AA	03/17/2012 04:52	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 04:52	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 22:05	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 22:05	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 23:12	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-6-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-6

LLI Sample # WW 6577220
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 11:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ06

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.	54	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	120770005A	03/20/2012 11:13	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-9-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 6577221
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:15 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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 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	P120764AA	03/17/2012 05:20	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 05:20	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 22:27	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 22:27	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 23:35	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-9-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 6577222
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 12:15 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ09

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	120770005A	03/20/2012 11:36	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-10-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-10

LLI Sample # WW 6577223
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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.	1	2
10943	Ethylbenzene	100-41-4	36	1	2
10943	Toluene	108-88-3	N.D.	1	2
10943	Xylene (Total)	1330-20-7	16	1	2
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,100	250	5
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	260	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	P120764AA	03/17/2012 05:47	Kelly E Keller	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 05:47	Kelly E Keller	2
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/20/2012 12:00	Laura M Krieger	5
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/20/2012 12:00	Laura M Krieger	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/20/2012 23:57	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-10-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-10

LLI Sample # WW 6577224
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:00 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
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FSQ10

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.	440	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	120770005A	03/20/2012 11:59	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-11-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-11

LLI Sample # WW 6577225
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:30 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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 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	P120764AA	03/17/2012 06:15	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 06:15	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 23:11	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 23:11	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/21/2012 00:20	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-11-W-120312 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-11

LLI Sample # WW 6577226
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 10:30 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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FSQ11

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.	160	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	120770005A	03/20/2012 12:21	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-12-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-12

LLI Sample # WW 6577227
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 11:30 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
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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	10	0.5	1
10943	Ethylbenzene	100-41-4	19	0.5	1
10943	Toluene	108-88-3	1	0.5	1
10943	Xylene (Total)	1330-20-7	38	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,000	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.	310	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	P120764AA	03/17/2012 06:43	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120764AA	03/17/2012 06:43	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12076A20A	03/19/2012 23:33	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12076A20A	03/19/2012 23:33	Laura M Krieger	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770004A	03/21/2012 00:43	Tracy A Cole	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770004A	03/19/2012 09:20	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-12-W-120312 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-12

LLI Sample # WW 6577228
LLI Group # 1295102
Account # 10904

Project Name: 307233

Collected: 03/12/2012 11:30 by ML

Submitted: 03/14/2012 09:25
Reported: 03/26/2012 18:53

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSQ12

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.	1,100	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
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	120770005A	03/20/2012 12:44	Elizabeth J Marin	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	120770005A	03/19/2012 09:20	Catherine R Wiker	1

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Quality Control Summary

Client Name: Chevron Group Number: 1295102
Reported: 03/26/12 at 06:53 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: P120764AA	Sample number(s): 6577208-6577209,6577211,6577213,6577215,6577217,6577219,6577221,6577223,6577225,6577227							
Benzene	N.D.	0.5	ug/l	96		77-121		
Ethylbenzene	N.D.	0.5	ug/l	95		79-120		
Toluene	N.D.	0.5	ug/l	93		79-120		
Xylene (Total)	N.D.	0.5	ug/l	95		77-120		
Batch number: 12075A53A	Sample number(s): 6577208-6577209							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 12076A20A	Sample number(s): 6577215,6577217,6577219,6577221,6577223,6577225,6577227							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 12082A53A	Sample number(s): 6577211,6577213							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	91	75-135	10	30
Batch number: 120770004A	Sample number(s): 6577209,6577211,6577213,6577215,6577217,6577219,6577221,6577223,6577225,6577227							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	69	69	50-118	0	20
Batch number: 120770005A	Sample number(s): 6577210,6577212,6577214,6577216,6577218,6577220,6577222,6577224,6577226,6577228							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	88	94	50-118	7	20

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: P120764AA	Sample number(s): 6577208-6577209,6577211,6577213,6577215,6577217,6577219,6577221,6577223,6577225,6577227 UNSPK: P576365								
Benzene	99	106	72-134	6	30				
Ethylbenzene	98	104	71-134	7	30				
Toluene	98	107	80-125	9	30				
Xylene (Total)	99	106	79-125	7	30				

*- 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.

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Quality Control Summary

Client Name: Chevron Group Number: 1295102
Reported: 03/26/12 at 06:53 PM

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs by 8260B - Water
Batch number: P120764AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6577208	103	94	96	100
6577209	103	98	96	100
6577211	102	99	96	100
6577213	103	94	96	99
6577215	102	98	97	102
6577217	106	98	97	101
6577219	105	99	95	100
6577221	106	98	95	100
6577223	105	98	96	104
6577225	105	96	96	101
6577227	102	99	96	101
Blank	103	96	96	100
LCS	102	98	97	102
MS	102	98	96	100
MSD	103	97	98	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12075A53A

	Trifluorotoluene-F
6577208	82
6577209	82
Blank	83
LCS	98
LCSD	98
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 12076A20A

	Trifluorotoluene-F
6577215	90
6577217	90
6577219	88
6577221	92
6577223	101
6577225	90
6577227	162*
Blank	88
LCS	112
LCSD	113
Limits:	63-135

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

*- 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: 1295102
Reported: 03/26/12 at 06:53 PM

Surrogate Quality Control

Batch number: 12082A53A

	Trifluorotoluene-F
6577211	82
6577213	84
Blank	82
LCS	98
LCSD	95
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 120770004A

	Orthoterphenyl
6577209	85
6577211	91
6577213	81
6577215	88
6577217	77
6577219	82
6577221	61
6577223	88
6577225	74
6577227	83
Blank	88
LCS	75
LCSD	75
Limits:	50-154

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 120770005A

	Orthoterphenyl
6577210	98
6577212	102
6577214	104
6577216	110
6577218	97
6577220	104
6577222	83
6577224	106
6577226	95
6577228	106
Blank	101
LCS	90
LCSD	90
Limits:	50-154

*- 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

500 AMBER
031212-07

For Lancaster Laboratories use only
Acct. #: 10904 Sample # 6577208-28 Group #: 020405

C# 1295102

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

Facility #: SS#307233-OML G-R#385876 Global ID#T0600196622
Site Address: 2259 FIRST STREET, LIVERMORE, CA
Chevron PM: EF Lead Consultant: CRAHK Hoey
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: MIKE LOMBARD

Analyses Requested — Preservation Codes: H (BTEX), H (TPH 8015 MOD GRO)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + [redacted] 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	TPH-DRO w/sgc COLUMN				
QA	3-12-12		X			X		2	X	X										
MW-1	↓	1300	X			X		8	X	X	X					X				
MW-2		0910	X			X		8	X	X	X					X				
MW-3		1200	X			X		8	X	X	X					X				
MW-4		1250	X			X		8	X	X	X					X				
MW-5		1010	X			X		8	X	X	X					X				
MW-6		1100	X			X		8	X	X	X					X				
MW-9		1215	X			X		8	X	X	X					X				
MW-10		1000	X			X		8	X	X	X					X				
MW-11		1030	X			X		8	X	X	X					X				
MW-12	↓	1130	X			X		8	X	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

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3-12-12	1330	[signature]	3.12.12	1330
[signature]	3.12.12	1550	[signature]	12MAR12	1550
[signature]	3/13/12	1630	FE		
Relinquished by Commercial Carrier: UPS (FedEx) Other ______			Received by: [signature]	3-14-12	925
Temperature Upon Receipt 0.6-1.4 C°			Custody Seals Intact? (Yes) No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (north) Rev. 10/12/06

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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

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.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results 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.