Eric Frohnapple
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6692
Fax (925) 984-8373
ericf@chevron.com

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

Re: Former Texaco Service Station No. 30-7233
2259 First Street
Livermore, California
ACEHS Case No. RO0002908

I accept the **Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report** dated October 27, 2011.

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 **Second Semi-Annual 2011 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,

Eric Frohnapple
Project Manager

Attachment: Second Semi-Annual 2011 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

October 27, 2011 Reference No. 312264

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

Re: Second Semi-Annual 2011
Groundwater Monitoring and Sampling Report
Former Texaco Service Station 30-7233
2259 First Street
Livermore, California
ACEHS Case RO0002908

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) is submitting this *Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring and sampling was performed by Gettler-Ryan, Inc. (G-R) of Dublin, California, and their September 28, 2011 *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' October 6, 2011 *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
GREG BARCLAY
No. 6260
STATE OF CALIFORNIA

Kiersten Hoey

Greg Barclay, P.G. 6260

KH/aa/14
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. Eric Frohnapple, Chevron *(electronic copy)*
Mr. Eric Uranaga, City of Livermore Economic Development

FIGURES

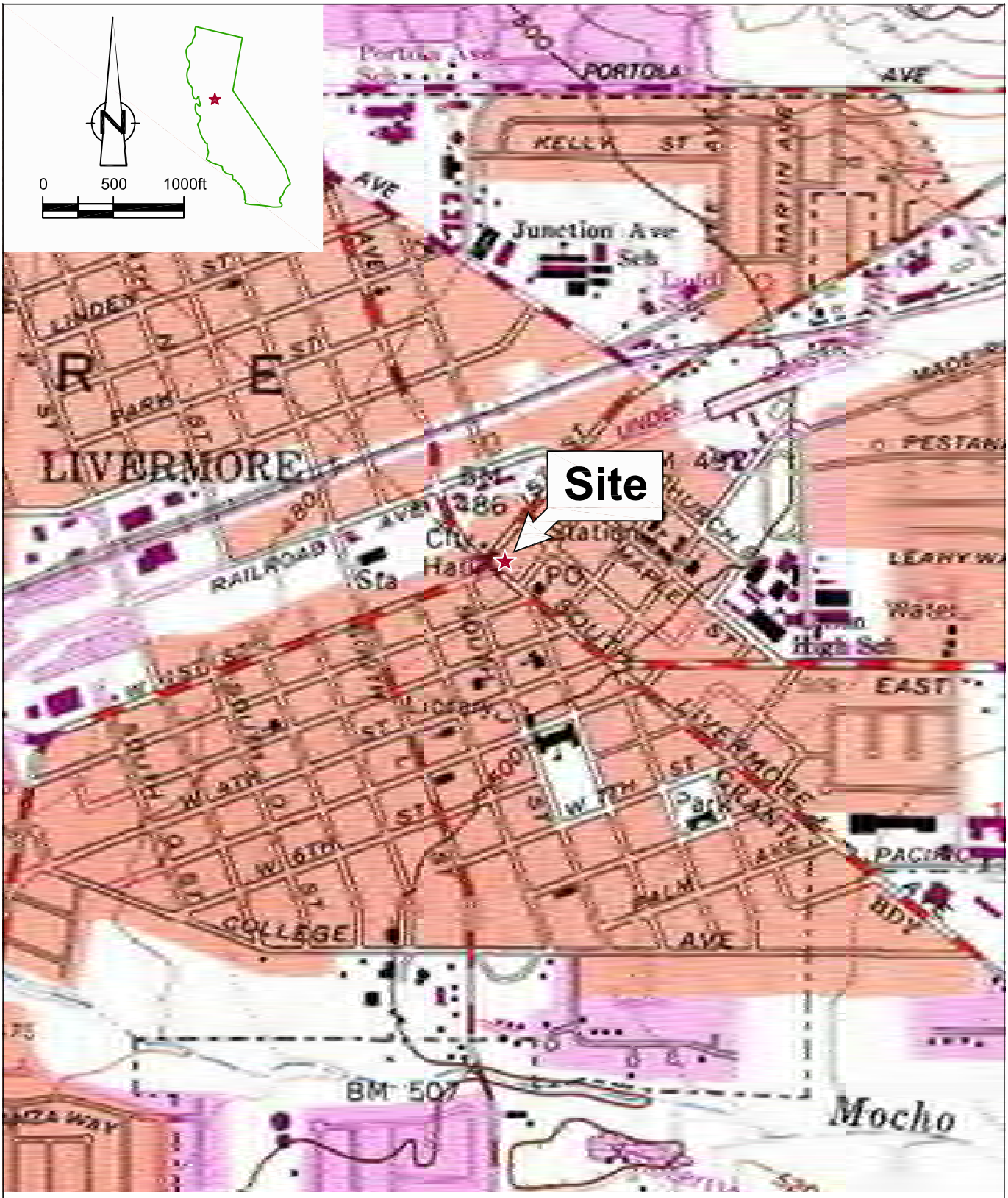

Figure 1

VICINITY MAP
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
2259 FIRST STREET
Livermore, California

312264-95(014)GN-EM001 OCT 17/2011

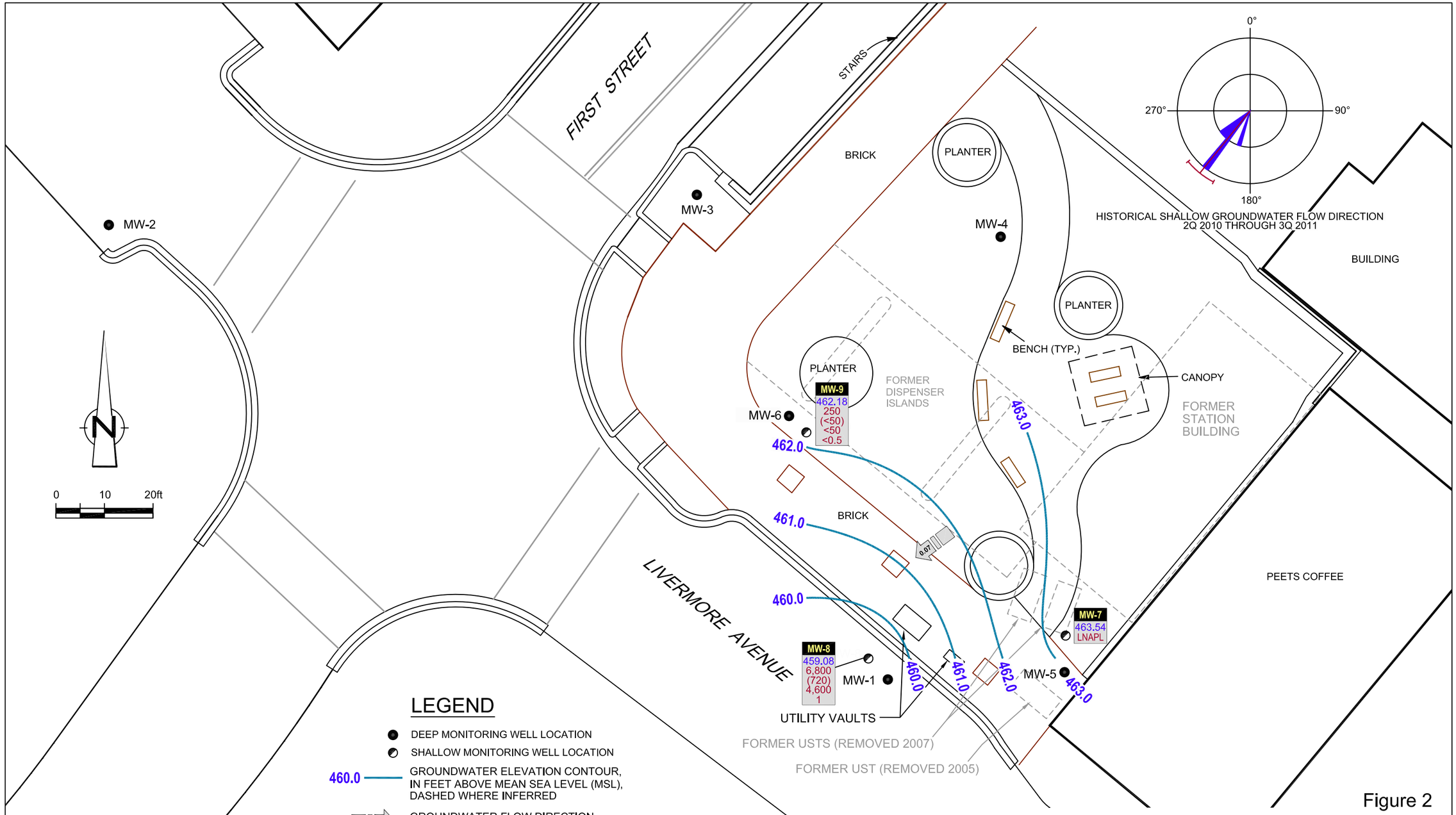

Figure 2

SHALLOW ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
2259 FIRST STREET
Livermore, California
September 19, 2011

312264-95(014)GN-EM002 OCT 26/2011

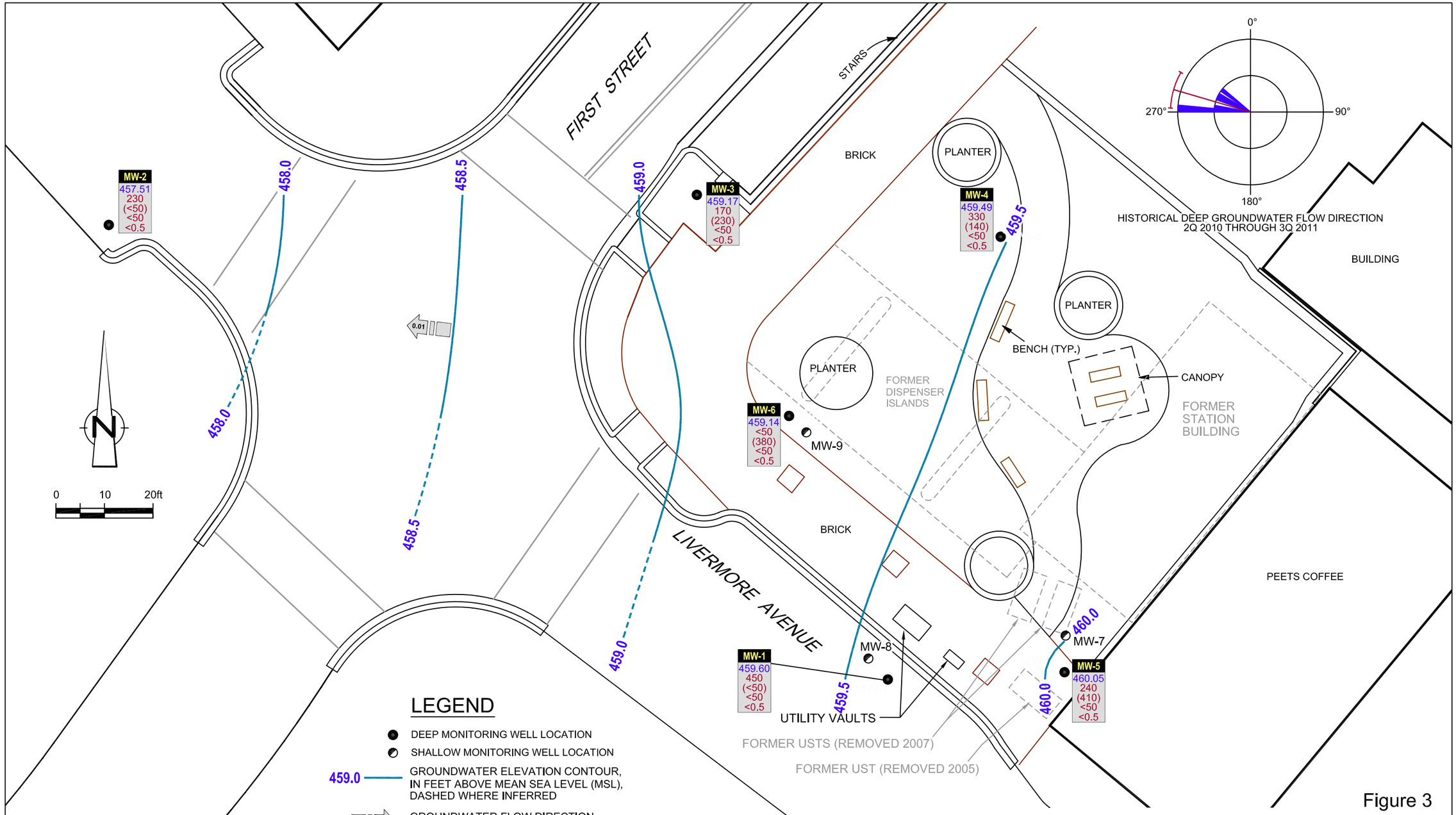

Figure 3

DEEP ZONE GROUNDWATER ELEVATION CONTOUR
AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
2259 FIRST STREET
Livermore, California
September 19, 2011

312264-95(014)GN-EM003 OCT 26/2011

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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[4]**	**<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[4]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**
MW-3	05/25/2010[1]	490.38	30.17	460.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-
MW-3	05/27/2010	490.38	30.98	459.40	0.00	0.00	610	-	2,100	2	<0.5	<0.5	0.9	-	-	-
MW-3	09/13/2010	490.38	36.77	453.61	0.00	0.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-3	12/20/2010	490.38	32.41	457.97	0.00	0.00	-	97	<50	<0.5	<0.5	<0.5	<0.5	-	-	-
MW-3	03/07/2011	490.38	28.06	462.32	0.00	0.00	-	<50	<50	<0.5	<0.5	<0.5	<0.5	4,300	70,400	53

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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	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[4]**	**<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[4]**	**<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[4]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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-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[4]**	**<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
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**	**463.54****	**0.12**	**0.00**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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-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]**	**4,600**	**1**	**0.8**	**0.5**	**0.8**	**-**	**-**	**-**
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[4]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**-**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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*
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**	**-**	**-**	**-**

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

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
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*

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

** GWE was corrected for the presence of LNAPL; correction factor: [(TOC - DTW) + (LNAPLT x 0.80)].

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 LNAPL.

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

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

September 28, 2011
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 **Second Semi-Annual Event of September 19, 2011**

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**
Site Address: **2259 First Street**
City: **Livermore, CA**

Job #: **385876**
Event Date: AL / JH
Sampler: 9/A/14

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-2	OK							N	N	EMCO / 12" / 2	
MW-3	ok									morrison / 7" / 2	
MW-6	ok										
MW-9	ok										
MW-1	ok									12" emco	
MW-8	ok										
MW-5	ok										
MW-7	ok									7" MORRISON	
MW-4	ok										

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 9/19/11 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW- 1 Date Monitored: 9/19/11
Well Diameter 2
Total Depth 58.80 ft.
Depth to Water 31.26 ft. ☐ Check if water column is less then 0.50 ft.

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

27.54 xVF .17 = 4.68 x3 case volume = Estimated Purge Volume: 14.04 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.76

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1030 Weather Conditions: Clear
Sample Time/Date: 1110 / 9/19/11 Water Color: Clear Odor: Y (N)
Approx. Flow Rate: 1 gpm. Sediment Description: Lt Brn
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 36.43

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1034	4	7.61	693	21.5		
1038	8	7.52	680	21.2		
1044	14	7.38	654	21.1		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9-19-11 (inclusive)
City: **Livermore, CA** Sampler: AW

Well ID MW- 2 Date Monitored: 9-19-11
Well Diameter 2
Total Depth 58.62 ft.
Depth to Water 31.92 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

26.70 xVF .17 = 4.54 x3 case volume = Estimated Purge Volume: 14.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.26

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): 0925 Weather Conditions: Sunny
Sample Time/Date: 1000/ 9-19-11 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 35.45

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
0930	5.0	7.60	426	19.8		
0935	10.0	7.63	431	20.3		
0940	14.0	7.65	454	20.7		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9-19-11 (inclusive)

City: **Livermore, CA** Sampler: AW

Well ID MW-3 Date Monitored: 9-19-11

Well Diameter 2

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

Total Depth 59.35 ft.

Depth to Water 31.21 ft. ☐ Check if water column is less then 0.50 ft.

28.14 xVF .17 = 4.78 x3 case volume = Estimated Purge Volume: 14.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 36.84

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): 1020 Weather Conditions: Sunny

Sample Time/Date: 1050 / 9-19-11 Water Color: Clear Odor: Y (N)

Approx. Flow Rate: 1-2 gpm. Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 35.43

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm ~~uS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1025	5.0	8.03	614	20.1		
1030	10.0	7.97	629	20.3		
1035	14.5	7.94	644	20.7		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9/19/11 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-4 Date Monitored: 9/19/11
Well Diameter 2
Total Depth 58.90 ft.
Depth to Water 32.78 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.

26.12 xVF .17 = 4.44 x3 case volume = Estimated Purge Volume: 13.32 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.00

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1220 Weather Conditions: Clear
Sample Time/Date: 1255 / 9/19/11 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: Low
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 36.71

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1224	4	7.81	622	20.5		
1228	8	7.69	615	20.3		
1233	13	7.60	637	20.9		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9/19/11 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-5 Date Monitored: 9/19/11
Well Diameter 2
Total Depth 58.85 ft.
Depth to Water 31.94 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.

26.91 xVF .17 = 4.57 x3 case volume = Estimated Purge Volume: 13.72 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.32

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0935 Weather Conditions: Clear
Sample Time/Date: 1010 / 9/19/11 Water Color: Clear Odor: Y (N)
Approx. Flow Rate: 1 gpm. Sediment Description: L. silty
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 35.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0939	4	7.33	629	21.4		
0943	8	7.26	605	21.1		
0949	14	7.22	611	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	3 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: 12" emco

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: 9-19-11 (inclusive)
City: Livermore, CA Sampler: AW

Well ID MW-6 Date Monitored: 9-19-11
Well Diameter 2
Total Depth 58.97 ft.
Depth to Water 32.38 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.

26.59 xVF .17 = 4.52 x3 case volume = Estimated Purge Volume: 14.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.70

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): 1105 Weather Conditions: Sunny
Sample Time/Date: 1135 / 9-19-11 Water Color: clear Odor: (Y) N Slight
Approx. Flow Rate: 1.0 gpm. Sediment Description: Clear
Did well de-water? N If yes, Time: - Volume: - gal. DTW @ Sampling: 35.78

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1110	5.0	7.71	640	19.3		
1115	10.0	7.68	677	20.2		
1120	14.0	7.65	690	20.6		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9/19/11 (inclusive)

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

Well ID **MW-7** Date Monitored: 9/19/11

Well Diameter **2**

Total Depth 32.83 ft.

Depth to Water 28.85 ft.

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

☐ Check if water column is less then 0.50 ft.

3.98 xVF .47 = ~ x3 case volume = Estimated Purge Volume: ~ 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: 28.73 ft
Depth to Water: 28.85 ft
Hydrocarbon Thickness: .12 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 (8015)
	x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: SALT in well

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: 9/19/11 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW- 8 Date Monitored: 9/19/11
Well Diameter 2
Total Depth 39.40 ft.
Depth to Water 31.81 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.

7.59 xVF .17 = 1.29 x3 case volume = Estimated Purge Volume: 3.87 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.32

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): 1130 Weather Conditions: Clear
Sample Time/Date: 1205 / 9/19/11 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Lt Brn
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.56

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1134	1	7.85	743	20.4		
1140	2.5	7.62	765	20.7		
1146	4	7.78	790	20.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

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: 9-19-11 (inclusive)
City: Livermore, CA | Sampler: AW

Well ID: MW- 9 | Date Monitored: 9-19-11
Well Diameter: 2
Total Depth: 39.65 ft.
Depth to Water: 29.46 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.

10.19 xVF .17 = 1.73 x3 case volume = Estimated Purge Volume: 5.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.50

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): 1150 | Weather Conditions: Sunny
Sample Time/Date: 1220 / 9-19-11 | Water Color: Cloudy | Odor: (Y) / N Slight
Approx. Flow Rate: ~ gpm. | Sediment Description: / Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 31.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1155	2.0	7.34	791	19.3		
1200	4.0	7.37	804	19.8		
1205	5.5	7.40	826	20.2		

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 (8015)
	2 x 1 liter ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #:_____ Sample # _____ Group #: 008100

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

SS#307233 OML G-R#385876 Global ID#T0600106622

Facility #: 2259 FIRST STREET, LIVERMORE, CA

Site Address: EF CRAHK Hoey

Chevron PM: G-R. Inc., 6747 Sierra Court, 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: J. Hoey

Analyses Requested

Preservation Codes

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ____	Total Lead Method ____	Dissolved Lead Method ____	TPH-DRO w/sgc column
						☐ Potable ☐ NPDES			H	H						
QA	9/15/11		X			X		2	X	X						
MW-1		1110	X			X		10	X	X	X					X
MW-2		1000	X			X		10	X	X	X					X
MW-3		1050	X			X		10	X	X	X					X
MW-4		1255	X			X		10	X	X	X					X
MW-5		1010	X			X		10	X	X	X					X
MW-6		1125	X			X		10	X	X	X					X
MW-8		1205	X			X		10	X	X	X					X
MW-9		1230	X			X		10	X	X	X					X

Comments / Remarks

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

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required) EDF/EDD

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

	Date	Time		Date	Time
Relinquished by:	9/19/11	1500	Received by:		
Relinquished by:	09-22-11	1210	Received by:	9/22/11	1754
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other_____			Received by:		
Temperature Upon Receipt _____ C°			Custody Seals Intact? Yes No		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

October 06, 2011

Project: 307233

Submittal Date: 09/23/2011
Group Number: 1268026
PO Number: 0015075227
Release Number: FROHNAPPLE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-110919 NA Water	6417257
MW-1-W-110919 Grab Water	6417258
MW-1-W-110919 Grab Water	6417259
MW-2-W-110919 Grab Water	6417260
MW-2-W-110919 Grab Water	6417261
MW-3-W-110919 Grab Water	6417262
MW-3-W-110919 Grab Water	6417263
MW-4-W-110919 Grab Water	6417264
MW-4-W-110919 Grab Water	6417265
MW-5-W-110919 Grab Water	6417266
MW-5-W-110919 Grab Water	6417267
MW-6-W-110919 Grab Water	6417268
MW-6-W-110919 Grab Water	6417269
MW-8-W-110919 Grab Water	6417270
MW-8-W-110919 Grab Water	6417271
MW-9-W-110919 Grab Water	6417272
MW-9-W-110919 Grab Water	6417273

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

Lancaster Laboratories

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Analysis Report

ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	CRA	Attn: Kiersten Hoey

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: **QA-T-110919 NA Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 QA

LLI Sample # WW 6417257
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	Z112702AA	09/27/2011 14:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 14:14	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 16:18	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 16:18	Marie D John	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-1-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 6417258
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 11:10 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 18:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 18:59	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 18:30	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 18:30	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 10:37	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-1-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 6417259
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 11:10 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	450	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	112660033A	10/01/2011 17:18	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-2-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 6417260
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:00 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	50	1

The reverse surrogate, capric acid, was present at 0%.

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 19:23	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 19:23	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 18:52	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 18:52	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 10:53	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-2-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 6417261
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:00 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	230	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	112660033A	10/01/2011 17:35	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-3-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 6417262
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:50 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	230	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 19:47	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 19:47	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 19:14	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 19:14	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 11:10	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-3-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 6417263
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:50 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	170	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	112660033A	10/01/2011 17:51	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-4-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-4

LLI Sample # WW 6417264
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:55 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	330	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 20:11	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 20:11	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 19:36	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 19:36	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 11:26	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-4-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-4

LLI Sample # WW 6417265
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:55 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	140	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	112660033A	10/01/2011 18:08	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-5-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-5

LLI Sample # WW 6417266
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:10 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	240	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 20:35	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 20:35	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 19:58	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 19:58	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 11:43	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-5-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-5

LLI Sample # WW 6417267
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 10:10 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	410	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	112660033A	10/01/2011 18:24	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-6-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-6

LLI Sample # WW 6417268
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 11:35 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 20:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 20:59	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 20:20	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 20:20	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 11:59	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-6-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-6

LLI Sample # WW 6417269
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 11:35 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	380	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	112660033A	10/01/2011 18:41	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: MW-8-W-110919 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-8

LLI Sample # WW 6417270
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:05 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSL08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	0.5	0.5	1
10943	Toluene	108-88-3	0.8	0.5	1
10943	Xylene (Total)	1330-20-7	0.8	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	4,600	250	5
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	720	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 21:23	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 21:23	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20B	10/02/2011 14:50	Carrie E Miller	5
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20B	10/02/2011 14:50	Carrie E Miller	5
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 12:16	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-8-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-8

LLI Sample # WW 6417271
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:05 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	6,800	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	112660033A	10/01/2011 18:57	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

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Analysis Report

Sample Description: **MW-9-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 6417272
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:20 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

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	**SW-846 8015B**		**ug/l**	**ug/l**	
02216	TPH-DRO water C10-C28 w/Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, was present at 0%.				

General Sample Comments

State of California Lab Certification No. 2501
The temperature of the temperature blank bottle(s) for the VOAs upon receipt at the lab was 8.4->10C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.4-10.9 C.

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	Z112702AA	09/27/2011 21:47	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112702AA	09/27/2011 21:47	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11273A20A	10/01/2011 21:04	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	11273A20A	10/01/2011 21:04	Marie D John	1
02216	TPH-DRO water C10-C28 w/Si Gel	SW-846 8015B	1	112670017A	10/05/2011 12:32	Anita M Dale	1
11172	DRO by 8015 w/ Silica Gel Ext	SW-846 3510C	1	112670017A	09/26/2011 13:50	Bronson L Cole	1

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Analysis Report

Sample Description: **MW-9-W-110919 Grab Water**
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 6417273
LLI Group # 1268026
Account # 10904

Project Name: 307233

Collected: 09/19/2011 12:20 by JH

Submitted: 09/23/2011 09:20
Reported: 10/06/2011 13:04

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLQ9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC Petroleum Hydrocarbons	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	250	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	112660033A	10/01/2011 19:14	Lisa A Reinert	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	112660033A	09/26/2011 09:10	Catherine R Wiker	1

Quality Control Summary

Client Name: Chevron Group Number: 1268026
Reported: 10/06/11 at 01:04 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: Z112702AA	Sample number(s): 6417257-6417258,6417260,6417262,6417264,6417266,6417268,6417270,6417272							
Benzene	N.D.	0.5	ug/l	89		79-120		
Ethylbenzene	N.D.	0.5	ug/l	95		79-120		
Toluene	N.D.	0.5	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	ug/l	97		80-120		
Batch number: 11273A20A	Sample number(s): 6417257-6417258,6417260,6417262,6417264,6417266,6417268,6417272							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 11273A20B	Sample number(s): 6417270							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 112660033A	Sample number(s): 6417259,6417261,6417263,6417265,6417267,6417269,6417271,6417273							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	83	80	52-126	3	20
Batch number: 112670017A	Sample number(s): 6417258,6417260,6417262,6417264,6417266,6417268,6417270,6417272							
TPH-DRO water C10-C28 w/Si Gel	N.D.	32.	ug/l	60	66	56-122	10	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: Z112702AA	Sample number(s): 6417257-6417258,6417260,6417262,6417264,6417266,6417268,6417270,6417272 UNSPK: P417236								
Benzene	66 (2)	65 (2)	80-126	0	30				
Ethylbenzene	89	92	71-134	1	30				
Toluene	104	106	80-125	2	30				
Xylene (Total)	101	103	79-125	1	30				

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.

*- 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: 1268026
Reported: 10/06/11 at 01:04 PM

Surrogate Quality Control

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z112702AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6417257	113	102	102	96
6417258	113	100	103	95
6417260	114	102	103	96
6417262	111	101	103	97
6417264	113	100	103	97
6417266	113	101	104	97
6417268	113	101	102	96
6417270	106	96	104	103
6417272	110	100	104	98
Blank	113	104	102	97
LCS	112	102	102	103
MS	109	101	104	105
MSD	108	99	105	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 11273A20A

	Trifluorotoluene-F
6417257	92
6417258	93
6417260	93
6417262	94
6417264	95
6417266	94
6417268	93
6417272	93
Blank	92
LCS	119
LCSD	121
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 11273A20B

	Trifluorotoluene-F
6417270	122
Blank	91
LCS	119
LCSD	121
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 112660033A

	Orthoterphenyl
6417259	85
6417261	94
6417263	87

*- 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: 1268026
Reported: 10/06/11 at 01:04 PM

Surrogate Quality Control

6417265	87
6417267	99
6417269	91
6417271	103
6417273	63
Blank	71
LCS	79
LCSD	75
Limits:	59-131

Analysis Name: TPH-DRO water C10-C28 w/Si Gel
Batch number: 112670017A

	Orthoterphenyl
6417258	77
6417260	60
6417262	77
6417264	72
6417266	83
6417268	75
6417270	78
6417272	62
Blank	72
LCS	70
LCSD	73
Limits:	54-127

*- 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

09-21-06

For Lancaster Laboratories use only

Acct. #: 10904 Sample # 6417257-73 Group #: 008100

G# 1268026

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

Facility #: SS#307233-OML G-R#385876 GlobalID#T0600196622

Site Address: 2259 FIRST STREET, LIVERMORE, CA

Chevron PM: EF Lead Consultant: CRARK 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: Jim Hearn

Analyses Requested

Preservation Codes

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

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead	Dissolved Lead	TPH-DRO w/sgc column
QA	9/19/11		X			X		2	X	X						
MW-1		1110	X			X		10	X	X	X					X
MW-2		1000	X			X		10	X	X	X					X
MW-3		1050	X			X		10	X	X	X					X
MW-4		1255	X			X		10	X	X	X					X
MW-5		1010	X			X		10	X	X	X					X
MW-6		1135	X			X		10	X	X	X					X
MW-8		1205	X			X		10	X	X	X					X
MW-9		1220	X			X		10	X	X	X					X

Comments / Remarks

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

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

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

	Date	Time
Relinquished by:	9/19/11	1500
Relinquished by:	09-22-11	1340
Relinquished by:	9/22/11	1600
Relinquished by Commercial Carrier: UPS FedEx Other		
Temperature Upon Receipt 1.5 - +10 C°		

	Date	Time
Received by: GETTLER-RYAN/FEDEX	9-20-11	0900
Received by:	9/22/11	1340
Received by: FE		
Received by: Brandy Bueler	9-23-11	920
Custody Seals Intact? Yes No		

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)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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.