Eric Frohnapple, P.E.
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-5336
Fax (925) 543-2324
ericf@chevron.com

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

Re: Former Chevron Service Station No. 30-7233
2259 First Street
Livermore, California

I accept the **Third Quarter 2010 Groundwater Monitoring Report** dated October 21, 2010.

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 **Third Quarter 2010 Groundwater Monitoring 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, P.E.
Project Manager

Attachment: Third Quarter 2010 Groundwater Monitoring 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 21, 2010 Reference No. 312264

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

Re: Third Quarter 2010 Groundwater Monitoring Report
Former Texaco Service Station 30-7233
2259 First Street
Livermore, California
ACEH Case #RO2908

Dear Mr. Jerry Wickham:

Conestoga-Rovers & Associates (CRA) is submitting this *Third 2010 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. G-R's September 17, 2010 *Groundwater Monitoring and Sampling Data Package* is presented as Attachment A. Historical and current groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' September 27, 2010 *Analytical Results* are 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

Kiersten Hoey

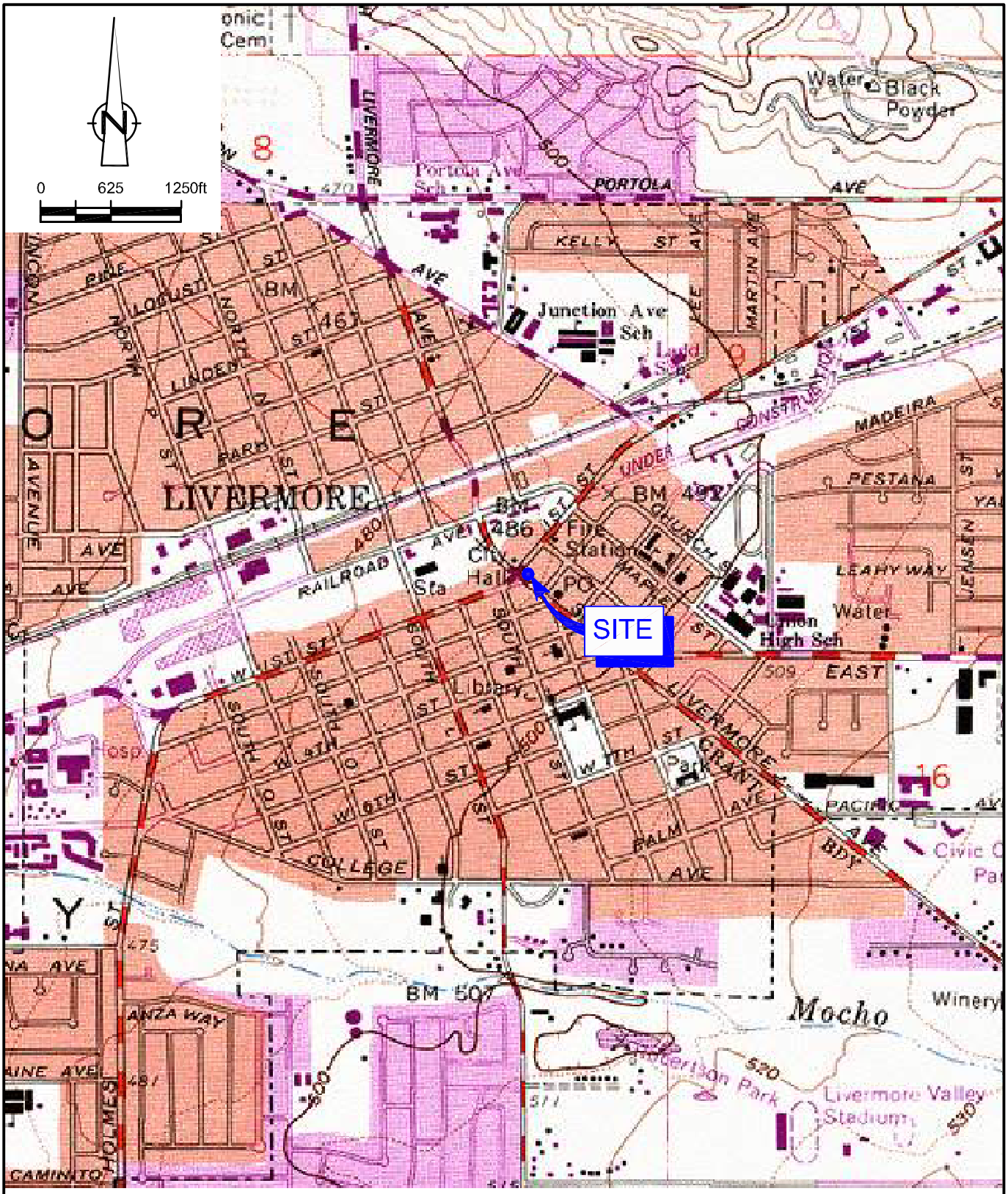
Brandon S. Wilken, PG 7564

KH/doh/8
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map (Deep) – September 13, 2010
Figure 3	Groundwater Elevation and Hydrocarbon Concentration Map (Shallow) – September 13, 2010
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report

cc: Mr. Eric Frohnapple, Chevron
Mr. Eric Uranaga, City of Livermore Economic Development

FIGURES



SOURCE: TOPO! MAPS.

figure 1

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

312264-95(008)GN-WA001 OCT 04/2010

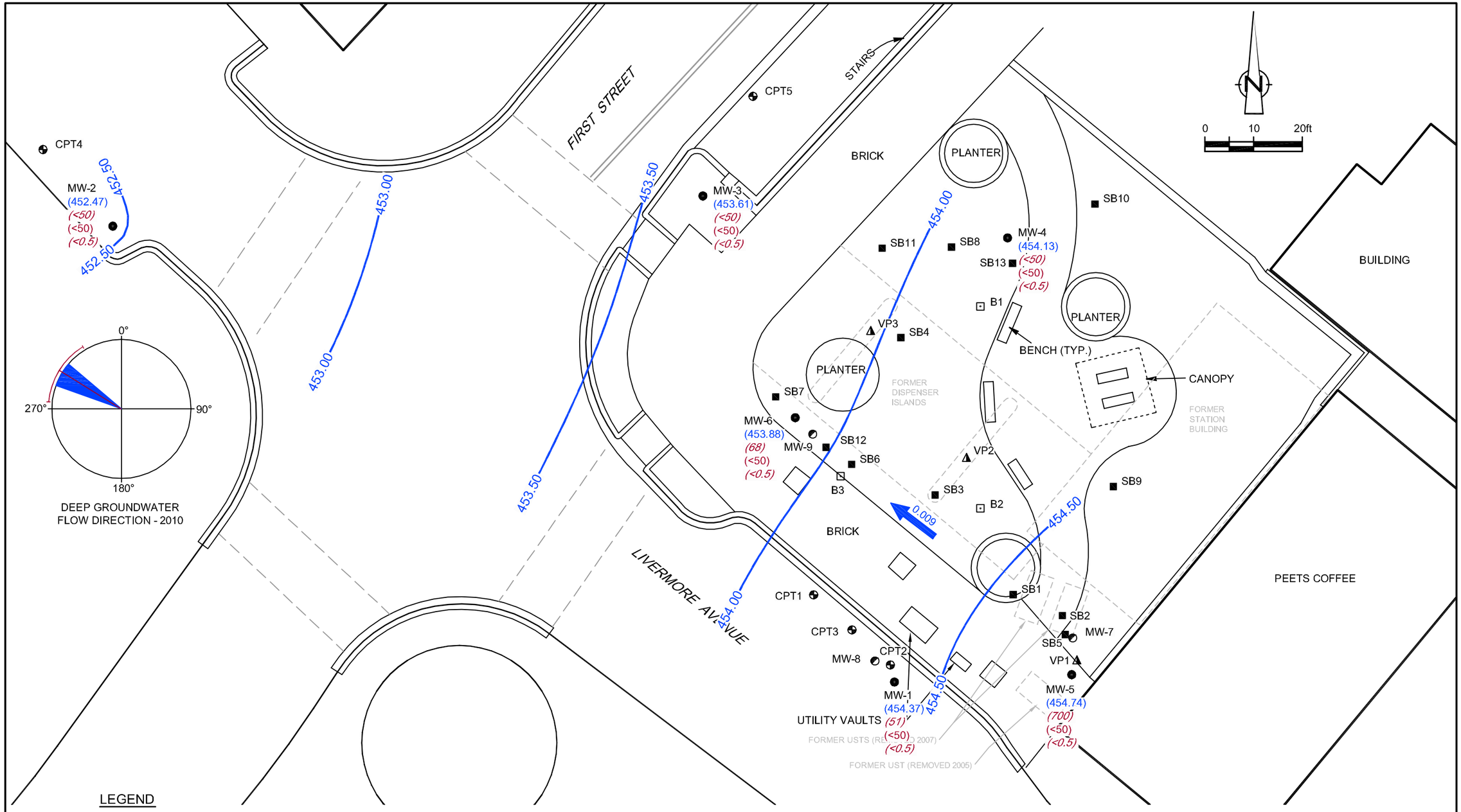
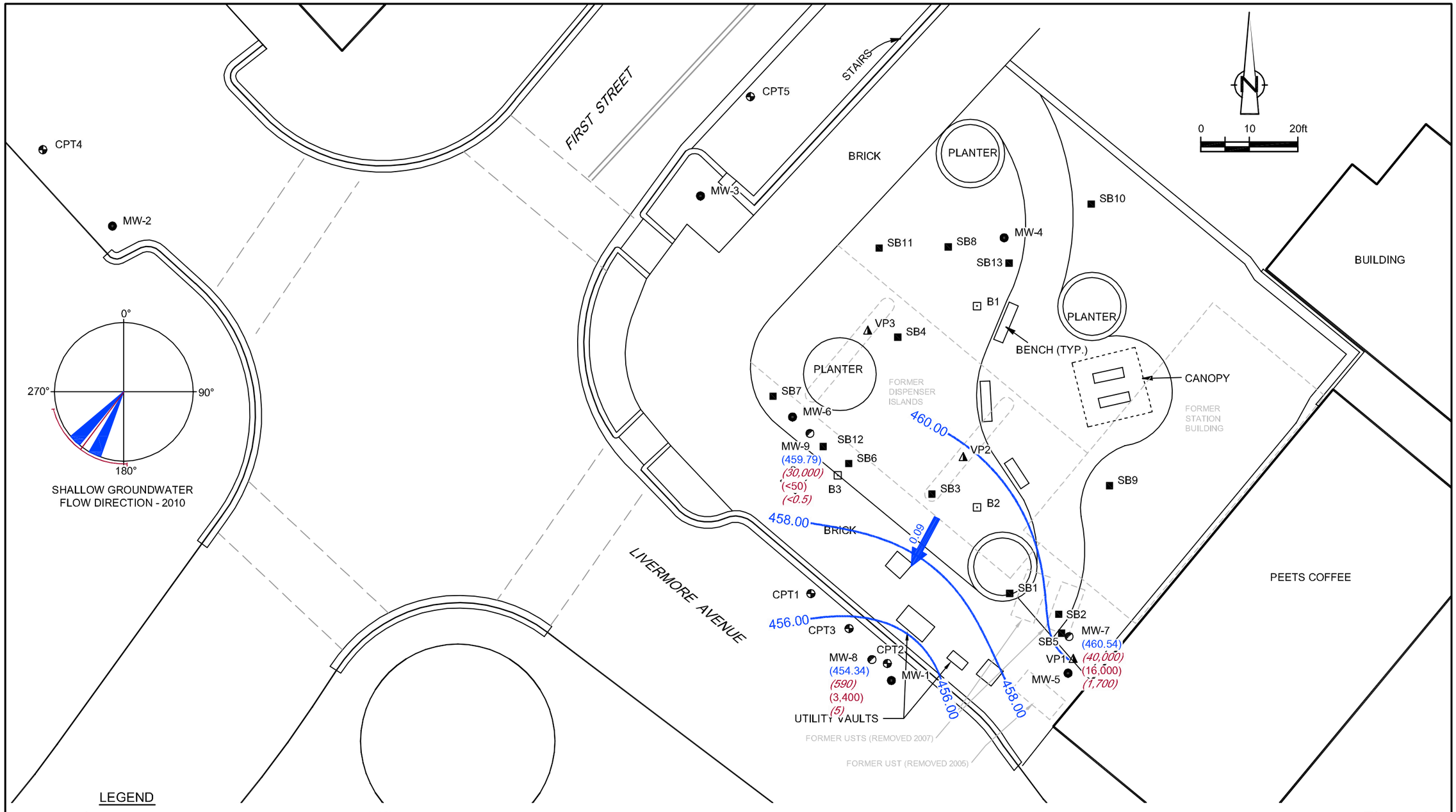


Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP (DEEP)
- SEPTEMBER 13, 2010
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
2259 FIRST STREET
Livermore, California

312264-95(008)GN-WA002 OCT 18/2010



LEGEND

●	DEEP MONITORING WELL LOCATION	(100) GROUNDWATER ELEVATION (ft)
◐	SHALLOW MONITORING WELL LOCATION	*(242)* TPHd CONCENTRATION (ug/L)
◔	CPT BORING LOCATION	(370) TPHg CONCENTRATION (ug/L)
■	SOIL BORING LOCATION	*(4)* BENZENE CONCENTRATION (ug/L)
⊡	SOIL BORING LOCATION (FURGRO 2003)	454.00 GROUNDWATER ELEVATION CONTOUR DASHED WHERE INFERRED
▲	VAPOR PROBE LOCATION	0.09 GROUNDWATER FLOW DIRECTION AND GRADIENT

Figure 3

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP (SHALLOW) - SEPTEMBER 13, 2010
FORMER TEXACO STATION (CHEVRON SITE 30-7233)
2259 FIRST STREET
Livermore, California

312264-95(008)GN-WA003 OCT 18/2010

TABLE

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

					HYDROCARBONS		*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	05/25/2010[1]	490.86	30.62	460.24	--	--	--	--	--	--
	05/27/2010	490.86	30.65	460.21	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/13/2010	490.86	36.49	454.37	51	<50	<0.5	<0.5	<0.5	<0.5
MW-2	05/25/2010[1]	489.43	31.18	458.25	--	--	--	--	--	--
	05/27/2010	489.43	31.11	458.32	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/13/2010	489.43	36.96	452.47	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3	05/25/2010[1]	490.38	30.17	460.21	--	--	--	--	--	--
	05/27/2010	490.38	30.98	459.40	610	2,100	2	<0.5	<0.5	0.9
	09/13/2010	490.38	36.77	453.61	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-4	05/25/2010[1]	492.27	32.21	460.06	--	--	--	--	--	--
	05/27/2010	492.27	32.26	460.01	230	1,800	1	<0.5	<0.5	0.7
	09/13/2010	492.27	38.14	454.13	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-5	05/25/2010[1]	491.99	31.39	460.60	--	--	--	--	--	--
	05/27/2010	491.99	31.42	460.57	120	420	2	<0.5	<0.5	1
	09/13/2010	491.99	37.25	454.74	700	<50	<0.5	<0.5	<0.5	<0.5
MW-6	05/25/2010[1]	491.52	31.63	459.89	--	--	--	--	--	--
	05/27/2010	491.52	31.79	459.73	1,000	3,700	4	<0.5	<0.5	1
	09/13/2010	491.52	37.64	453.88	68	<50	<0.5	<0.5	<0.5	<0.5
MW-7	05/25/2010[1]	492.29	28.69	463.60	--	--	--	--	--	--
	05/27/2010	492.29	28.61	463.68	2,800	14,000	1,800	35	320	660
	09/13/2010	492.29	31.75	460.54	40,000	16,000	1,700	33	460	600
MW-8	05/25/2010[1]	490.89	30.62	460.27	--	--	--	--	--	--
	05/27/2010	490.89	30.78	460.11	750	3,100	36	3	<0.5	2
	09/13/2010	490.89	36.55	454.34	590	3,400	5	2	<0.5	1
MW-9	05/25/2010[1]	491.64	29.23	462.41	--	--	--	--	--	--
	05/27/2010	491.64	28.96	462.68	<50	<50	<0.5	<0.5	<0.5	<0.5
	09/13/2010	491.64	31.85	459.79	30,000	<50	<0.5	<0.5	<0.5	<0.5

TABLE 1
GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 30-7233
2259 FIRST STREET, LIVERMORE, CALIFORNIA

					HYDROCARBONS		*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	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**
	09/13/2010	**-**	**-**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Abbreviations and Notes:

TOC = Top of Casing

DTW = Depth to Product

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

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

[1] Well development performed.

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

September 17, 2010
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	DATED	DESCRIPTION
VIA PDF		Groundwater Monitoring and Sampling Data Package **Third Quarter Event of September 13, 2010**

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: 9/13/10
Sampler: JH

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M)issing	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	12" emco 2	N
MW-1	ok										
MW-8	ok										
MW-5	ok										
MW-3	ok									6" MORRISON 2	
MW-6	ok										
MW-4	ok										
MW-7	ok										
MW-9	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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-1 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 58.82 ft.
Depth to Water 36.49 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.

22.33 xVF .17 = 3.79 x3 case volume = Estimated Purge Volume: 11.38 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 40.95

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
Discrete Bailer
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:
Product Transferred to:

Start Time (purge): 1100 Weather Conditions: clear
Sample Time/Date: 1130 / 9/13/10 Water Color: cloudy Odor: Y (N)
Approx. Flow Rate: 1 gpm. Sediment Description: L. silt
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 38.12

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1104	4	7.70	968	20.7		
1108	8	7.62	993	20.8		
1112	12	7.49	980	20.5		

LABORATORY INFORMATION

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

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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-2 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 58.64 ft.
Depth to Water 36.96 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.

21.68 xVF .17 = 3.68 x3 case volume = Estimated Purge Volume: 11.05 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 41.29

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
Discrete Bailer
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:
Product Transferred to:

Start Time (purge): 1000 Weather Conditions: cloudy
Sample Time/Date: 1030 / 9/13/10 Water Color: clear Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 37.55

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1004	3.5	7.93	632	20.0		
1008	7.0	7.89	691	20.1		
1011	11	7.82	683	20.1		

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)

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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-3 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 59.38 ft.
Depth to Water 36.77 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.

22.61 xVF .17 = 3.84 x3 case volume = Estimated Purge Volume: 11.53 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 41.29

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
Discrete Bailer
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:
Product Transferred to:

Start Time (purge): 1255 Weather Conditions: Clear
Sample Time/Date: 1335 / 9/13/10 Water Color: clear Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: None
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 37.59

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1259	4	7.29	963	20.4		
1303	8	7.20	928	20.3		
1307	12	7.10	990	20.1		

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)

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: 9/13/10 (inclusive)
City: Livermore, CA | Sampler: JH

Well ID: MW-4 | Date Monitored: 9/13/10
Well Diameter: 2 in.
Total Depth: 58.93 ft.
Depth to Water: 38.14 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

20.79 xVF .17 = 3.53 x3 case volume = Estimated Purge Volume: 10.60 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 42.29

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	
Discrete Bailer	
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:
Product Transferred to:

Start Time (purge): 1720 | Weather Conditions: Cloudy
Sample Time/Date: 1800 / 9/13/10 | Water Color: cloudy | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: Slight
Did well de-water? No | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 40.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1727	3.5	7.38	1027	19.3		
1733	7.0	7.32	1048	19.1		
1740	10.5	7.30	1077	19.0		

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)

COMMENTS: NOT able to access well with sample truck

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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-5 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 58.68 ft.
Depth to Water 37.25 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.

21.63 xVF .17 = 3.67 x3 case volume = Estimated Purge Volume: 11.03 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 41.57

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

Sampling Equipment:
Disposable Bailer X
Pressure Bailer
Discrete Bailer
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:
Product Transferred to:

Start Time (purge): 1400 Weather Conditions: Clear
Sample Time/Date: 1445 / 9/13/10 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: 39.66

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1406	3.5	7.61	1017	20.4		
1412	7.0	7.53	1032	20.2		
1419	11	7.46	1050	20.1		

LABORATORY INFORMATION

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

COMMENTS: Not able to access well with sample truck.

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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-6 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 59.01 ft.
Depth to Water 37.64 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.

21.37 xVF .17 = 3.63 x3 case volume = Estimated Purge Volume: 10.89 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 41.91

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	
Discrete Bailer	
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:
Product Transferred to:

Start Time (purge): 1625 Weather Conditions: Clear
Sample Time/Date: 1710 / 9/13/10 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: 38.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1632	3.5	7.39	1126	19.2		
1639	7.0	7.33	1138	19.4		
1646	11	7.25	1157	19.5		

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)

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: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-7 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 32.85 ft.
Depth to Water 31.75 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.

1.10 xVF .17 = .18 x3 case volume = Estimated Purge Volume: .56 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.97

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	
Discrete Bailer	
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:
Product Transferred to:

Start Time (purge): 1500 Weather Conditions: Clear
Sample Time/Date: 1530 / 9/13/10 Water Color: Clear Odor: (Y) N (circle) Strong
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.88

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (S))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1503	.15	6.83	1408	20.4		
1507	.30	6.80	1427	20.2		
1511	.50	6.78	1431	20.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc (8015)

COMMENTS: Not able to access well with sample truck
Slow Recovery

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #307233 Job Number: 385876
Site Address: 2259 First Street Event Date: 9/13/10 (inclusive)
City: Livermore, CA Sampler: JH

Well ID MW-8 Date Monitored: 9/13/10
Well Diameter 2 in.
Total Depth 39.42 ft.
Depth to Water 36.55 ft.

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

☐ Check if water column is less then 0.50 ft.

2.87 xVF .17 = .48 x3 case volume = Estimated Purge Volume: 1.46 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 37.12

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
Discrete Bailer
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:
Product Transferred to:

Start Time (purge): 1140 Weather Conditions: clear
Sample Time/Date: 1225 / 9/13/10 Water Color: cloudy Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: Heavy silt
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 37.00

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1144	.5	7.18	868	20.7		
1149	1.0	7.17	870	20.9		
1158	1.5	7.11	874	21.2		

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)

COMMENTS: Slow Recovery -

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #307233 | Job Number: 385876
Site Address: 2259 First Street | Event Date: 9/13/10 (inclusive)
City: Livermore, CA | Sampler: JH

Well ID: MW-9 | Date Monitored: 9/13/10
Well Diameter: 2 in.
Total Depth: 39.64 ft.
Depth to Water: 31.85 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.

7.79 xVF .17 = 1.32 x3 case volume = Estimated Purge Volume: 3.96 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.40

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	
Discrete Bailer	
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: _____
Product Transferred to: _____

Start Time (purge): 1540 | Weather Conditions: Clear
Sample Time/Date: 1615 / 9/13/10 | Water Color: cloudy | Odor: Y / N
Approx. Flow Rate: ~ gpm. | Sediment Description: Heavy
Did well de-water? NO | If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1543	1.3	7.62	1358	18.8		
1547	2.5	7.59	1410	18.9		
1551	4.0	7.28	1417	19.0		

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)

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

Acct. #: 10515-04 Sample # _____ Group #: 018660

For Lancaster Laboratories use only

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

Site Address: 2259 FIRST STREET, LIVERMORE, CA

Chevron PM: IR 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: Jim Herron

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	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ____	Total Lead ____ Method	Dissolved Lead ____ Method
QA	9/13/10		X			X		2	X	X					
MW-1		1130	X			X		8	X	X	X				
MW-2		1030	X			X		8	X	X	X				
MW-3		1335	X			X		8	X	X	X				
MW-4		1800	X			X		8	X	X	X				
MW-5		1445	X			X		8	X	X	X				
MW-6		1710	X			X		8	X	X	X				
MW-7		1530	X			X		8	X	X	X				
MW-8		1225	X			X		8	X	X	X				
MW-9		1615	X			X		8	X	X	X				

Comments / Remarks

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

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

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

	Date	Time		Date	Time
Relinquished by:	9/13/10	1900	Received by: GEFFLER-RYAN FEDEX	09-14-10	0814
Relinquished by:	09-15-10	1145	Received by:	15 SEP 10	1145
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

September 27, 2010

Project: 307233

Submittal Date: 09/16/2010
Group Number: 1212063
PO Number: 0015060774
Release Number: ROBB
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-100913 NA Water	6086367
MW-1-W-100913 Grab Water	6086368
MW-2-W-100913 Grab Water	6086369
MW-3-W-100913 Grab Water	6086370
MW-4-W-100913 Grab Water	6086371
MW-5-W-100913 Grab Water	6086372
MW-6-W-100913 Grab Water	6086373
MW-7-W-100913 Grab Water	6086374
MW-8-W-100913 Grab Water	6086375
MW-9-W-100913 Grab Water	6086376

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	CRA	Attn: Kiersten Hoey

Lancaster Laboratories

Analysis Report

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

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

Respectfully Submitted,

Susan M. Goshert
Group Leader

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

Sample Description: QA-T-100913 NA Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 QA

LLI Sample # WW 6086367
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

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	D102622AA	09/19/2010 19:33	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/19/2010 19:33	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260B20A	09/17/2010 16:31	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260B20A	09/17/2010 16:31	Marie D John	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-1-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 6086368
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 11:30 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM1

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 Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	51	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	D102622AA	09/19/2010 23:40	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/19/2010 23:40	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260B20A	09/17/2010 20:31	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260B20A	09/17/2010 20:31	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102590012A	09/17/2010 16:30	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102590012A	09/16/2010 22:15	Elaine F Stoltzfus	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-2-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 6086369
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 10:30 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM2

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 Extractable TPH w/Si Gel	**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
10943	BTEX 8260B Water	SW-846 8260B	1	D102622AA	09/20/2010 00:02	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 00:02	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260B20A	09/17/2010 20:53	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260B20A	09/17/2010 20:53	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102590012A	09/17/2010 16:51	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102590012A	09/16/2010 22:15	Elaine F Stoltzfus	1

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

Sample Description: MW-3-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 6086370
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 13:35 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM3

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 Extractable TPH w/Si Gel	**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
10943	BTEX 8260B Water	SW-846 8260B	1	D102622AA	09/20/2010 00:25	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 00:25	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20A	09/18/2010 15:05	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20A	09/18/2010 15:05	Tyler O Griffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102590012A	09/17/2010 17:13	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102590012A	09/16/2010 22:15	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: MW-4-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-4

LLI Sample # WW 6086371
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 18:00 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM4

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 Extractable TPH w/Si Gel	**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
10943	BTEX 8260B Water	SW-846 8260B	1	D102622AA	09/20/2010 00:47	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 00:47	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20A	09/18/2010 15:27	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20A	09/18/2010 15:27	Tyler O Griffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102590012A	09/17/2010 17:34	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102590012A	09/16/2010 22:15	Elaine F Stoltzfus	1

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Analysis Report

Sample Description: MW-5-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-5

LLI Sample # WW 6086372
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 14:45 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM5

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 Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	700	170	5

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	D102622AA	09/20/2010 01:10	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 01:10	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20A	09/18/2010 15:49	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20A	09/18/2010 15:49	Tyler O Griffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102600012A	09/22/2010 09:58	Melissa McDermott	5
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102600012A	09/18/2010 08:15	Karen R Rettew	1

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Analysis Report

Sample Description: MW-6-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-6

LLI Sample # WW 6086373
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 17:10 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM6

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 Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	68	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	D102622AA	09/20/2010 01:33	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 01:33	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20A	09/18/2010 16:11	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20A	09/18/2010 16:11	Tyler O Griffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102600012A	09/21/2010 18:53	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102600012A	09/18/2010 08:15	Karen R Rettew	1

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Analysis Report

Sample Description: MW-7-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-7

LLI Sample # WW 6086374
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 15:30 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM7

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	1,700	5	10
10943	Ethylbenzene	100-41-4	460	5	10
10943	Toluene	108-88-3	33	0.5	1
10943	Xylene (Total)	1330-20-7	600	5	10
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	16,000	250	5
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	40,000	880	25

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	D102622AA	09/20/2010 01:56	Florida A Cimino	1
10943	BTEX 8260B Water	SW-846 8260B	1	D102622AA	09/20/2010 02:18	Florida A Cimino	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 01:56	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D102622AA	09/20/2010 02:18	Florida A Cimino	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20B	09/20/2010 10:32	Carrie E Miller	5
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20B	09/20/2010 10:32	Carrie E Miller	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102600012A	09/22/2010 10:41	Melissa McDermott	25
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102600012A	09/18/2010 08:15	Karen R Rettew	1

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Analysis Report

Sample Description: MW-8-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-8

LLI Sample # WW 6086375
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 12:25 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM8

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	5	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	1	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,400	250	5
GC Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	590	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	D102622AA	09/20/2010 02:41	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 02:41	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20B	09/20/2010 10:54	Carrie E Miller	5
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20B	09/20/2010 10:54	Carrie E Miller	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102600012A	09/22/2010 13:55	Melissa McDermott	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102600012A	09/18/2010 08:15	Karen R Rettew	1

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Analysis Report

Sample Description: MW-9-W-100913 Grab Water
Facility# 307233 Job# 385876 GRD
2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 6086376
LLI Group # 1212063
Account # 10904

Project Name: 307233

Collected: 09/13/2010 16:15 by JH

Submitted: 09/16/2010 09:10
Reported: 09/27/2010 13:21
Discard: 10/28/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FSLM9

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 Extractable TPH w/Si Gel	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	30,000	670	20

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	D102622AA	09/20/2010 03:04	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102622AA	09/20/2010 03:04	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10260C20A	09/18/2010 16:32	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10260C20A	09/18/2010 16:32	Tyler O Griffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	102600012A	09/22/2010 10:19	Melissa McDermott	20
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	102600012A	09/18/2010 08:15	Karen R Rettew	1

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1212063
Reported: 09/27/10 at 01:21 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D102622AA	Sample number(s): 6086367-6086376							
Benzene	N.D.	0.5	ug/l	82		79-120		
Ethylbenzene	N.D.	0.5	ug/l	92		79-120		
Toluene	N.D.	0.5	ug/l	92		79-120		
Xylene (Total)	N.D.	0.5	ug/l	93		80-120		
Batch number: 10260B20A	Sample number(s): 6086367-6086369							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 10260C20A	Sample number(s): 6086370-6086373,6086376							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 10260C20B	Sample number(s): 6086374-6086375							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 102590012A	Sample number(s): 6086368-6086371							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	83	85	52-126	3	20
Batch number: 102600012A	Sample number(s): 6086372-6086376							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/l	91	84	52-126	9	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: D102622AA	Sample number(s): 6086367-6086376 UNSPK: P086360								
Benzene	95	97	80-126	2	30				
Ethylbenzene	106	108	71-134	2	30				
Toluene	106	108	80-125	1	30				
Xylene (Total)	107	109	79-125	2	30				
Batch number: 10260B20A	Sample number(s): 6086367-6086369 UNSPK: P084094								
TPH-GRO N. CA water C6-C12	127		63-154						
Batch number: 10260C20A	Sample number(s): 6086370-6086373,6086376 UNSPK: 6086372								
TPH-GRO N. CA water C6-C12	118		63-154						
Batch number: 10260C20B	Sample number(s): 6086374-6086375 UNSPK: 6086372								
TPH-GRO N. CA water C6-C12	118		63-154						

*- 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.

Quality Control Summary

Client Name: Chevron Group Number: 1212063
Reported: 09/27/10 at 01:21 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: D102622AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6086367	96	97	104	94
6086368	94	96	103	95
6086369	97	97	102	96
6086370	96	96	103	97
6086371	97	98	102	94
6086372	96	96	105	96
6086373	96	96	103	95
6086374	95	105	104	103
6086375	93	93	104	103
6086376	98	96	104	97
Blank	96	99	104	95
LCS	95	97	104	98
MS	95	102	104	98
MSD	95	100	103	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10260B20A

	Trifluorotoluene-F
6086367	89
6086368	90
6086369	90
Blank	89
LCS	122
LCSD	118
MS	127
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10260C20A

	Trifluorotoluene-F
6086370	88
6086371	84
6086372	88
6086373	84
6086376	88
Blank	87
LCS	115
LCSD	117
MS	121
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: 1212063
Reported: 09/27/10 at 01:21 PM

Surrogate Quality Control

Batch number: 10260C20B

	Trifluorotoluene-F
6086374	132
6086375	104
Blank	86
LCS	115
LCSD	117
MS	121
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 102590012A

	Orthoterphenyl
6086368	76
6086369	77
6086370	87
6086371	81
Blank	81
LCS	95
LCSD	96
Limits:	59-131

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 102600012A

	Orthoterphenyl
6086372	94
6086373	84
6086374	204*
6086375	78
6086376	168*
Blank	69
LCS	95
LCSD	86
Limits:	59-131

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

09510-04

For Lancaster Laboratories use only
Acct. #: 10904 Sample # 6086367-76 Group #: 018660

Grp#1212063

Facility #: SS#307233-OML G-R#385876 Global ID#T0600196622
Site Address: 2259 FIRST STREET, LIVERMORE, CA
Chevron PM: IR 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: Jim Herrera

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	Matrix: Water	Matrix: Oil ☐ Air	Total Number of Containers	Preservation Codes: H	H															Analyses Requested: BTEX + 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☒ Silica Gel Cleanup	8260 full scan	Oxygenates ____	Total Lead Method ____	Dissolved Lead Method ____
QA	9/13/10		X			X		2	X	X															X	X				
MW-1		1130	X			X		8	X	X	X														X	X	X			
MW-2		1030	X			X		8	X	X	X														X	X	X			
MW-3		1335	X			X		8	X	X	X														X	X	X			
MW-4		1800	X			X		8	X	X	X														X	X	X			
MW-5		1445	X			X		8	X	X	X														X	X	X			
MW-6		1710	X			X		8	X	X	X														X	X	X			
MW-7		1530	X			X		8	X	X	X														X	X	X			
MW-8		1225	X			X		8	X	X	X														X	X	X			
MW-9		1615	X			X		8	X	X	X														X	X	X			

Comments / Remarks

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

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

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

EDF/EDD

	Date	Time		Date	Time
Relinquished by:	9/13/10	1900	Received by: GETTLER-RYAN FRIDGE	09-14-10	0800
Relinquished by: 09-15-10		1115	Received by: A. Aalyan 15SEP10		1115
Relinquished by: A. Aalyan 15SEP10		1630	Received by: FEDEX		
Relinquished by Commercial Carrier: UPS ~~FedEx~~ Other			Received by:	9/16/10	0910
Temperature Upon ~~Receipt~~ 1.2 C°			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.