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 21-1253
930 Springtown Boulevard
Livermore, California
ACEHS Case No. RO0189

I accept the **Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report** dated October 31, 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 31, 2011 Reference No. 060058

Mr. Jerry Wickham
Alameda County Environmental Health Services (ACEH)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: Second Semi-Annual 2011
Groundwater Monitoring and Sampling Report and Annual Update
Former Texaco Station 21-1253
930 Springtown Boulevard
Livermore, California

Dear Mr. Wickham:

Conestoga-Rovers & Associates (CRA) is submitting this *Second Semi-Annual 2011 Groundwater Monitoring and Sampling Report and Annual Update* on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above (Figures 1). Groundwater monitoring and sampling was performed by Gettler-Ryan, Inc. (G-R) of Dublin, California and their August 16, 2011 *Groundwater Monitoring and Sampling Data Package* is included as Attachment A. Current groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' August 23, 2011 *Analytical Results* is included as Attachment B. Historical groundwater monitoring and sampling data are included as Attachment C.

RESULTS OF SECOND SEMI-ANNUAL 2011 EVENT

On August 9, 2011, G-R monitored and sampled the site wells per the established schedule. Monitoring wells are divided into three different zones based on the screen intervals: shallow zone (wells MW-9, MW-11 and MW-14), intermediate zone (wells MW-10, MW-12, MW-13 and MW-16) and deep zone (well MW-15).

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction — Northwest
- Depth to Water
  - Shallow Wells — 9.67 to 12.06 feet below grade (fbg)
  - Intermediate Wells — 9.59 to 12.19 fbg
  - Deep Well — 9.56 fbg

Results of the 2011 sampling events are presented below in Table A:

TABLE A: 2011 HYDROCARBON CONCENTRATIONS

Well ID	*Sample Date*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*
Groundwater ESLs		***100***	***1***	***40***	***30***	***20***
MW-9	1/31/2011	68	<0.5	<0.5	3	<0.5
	8/9/2011	54	<0.5	<0.5	<0.5	<0.5
MW-10	1/31/2011	**250**	<0.5	<0.5	<0.5	<0.5
	8/9/2011	**300**	<0.5	<0.5	<0.5	<0.5
MW-11	1/31/2011	**790**	1	<0.5	5	3
	8/9/2011	**130**	<0.5	<0.5	0.9	<0.5
MW-12	1/31/2011	**9,600**	**64**	**180**	**180**	**400**
	8/9/2011	**9,000**	**71**	**140**	**170**	**580**
MW-13	1/31/2011	**22,000**	**1,600**	**1,600**	**270**	**1,600**
	8/9/2011	**12,000**	**1,200**	**820**	**120**	**710**
MW-14	1/31/2011	0.25 foot of LNAPL				
	8/9/2011	0.17 foot of LNAPL				
MW-15	1/31/2011	<50	<0.5	<0.5	<0.5	<0.5
	8/9/2011	<50	<0.5	<0.5	<0.5	<0.5
MW-16	1/31/2011	<50	<0.5	<0.5	<0.5	<0.5
	8/9/2011	66	<0.5	<0.5	<0.5	<0.5

µg/L Micrograms per liter
< Indicates constituent was not detected at or above stated laboratory reporting limit
ESLs Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final*, November 2007, revised May 2008. – Table F-1a where groundwater is a potential drinking water source
Data in **bold** represent concentrations that exceed applicable ESLs

CONCLUSIONS AND RECOMMENDATIONS

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

- Based on similar depth to groundwater data in shallow, intermediate and deep monitoring wells it appears the three groundwater zones are hydraulically connected.
- Light non-aqueous phase liquid (LNAPL) was detected in well MW-14 during the first and second semi-annual events.
- The highest dissolved hydrocarbon concentrations are detected in intermediate wells MW-12 and MW-13 located west-northwest of the former underground storage tanks and dispensers.
- Well MW-10, located downgradient (northwest) of MW-12 and MW-13, defines dissolved hydrocarbons to near and below ESLs.
- Deep well MW-15 defines the vertical extent of hydrocarbons.
- Over 2011, dissolved hydrocarbon concentrations in site wells were stable or decreasing.

CRA recommends continuing semi-annual monitoring and sampling to establish hydraulic and hydrocarbon concentration trends.

ANTICIPATED FUTURE ACTIVITIES

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

Additional Activity
Once Chevron and CRA have established an access agreement with the property owner, CRA will install the monitoring wells proposed in CRA's March 30, 2011 *Site Conceptual Model and Work Plan* that was approved by ACEH in a letter dated May 3, 2011.

CONESTOGA-ROVERS
& ASSOCIATES

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

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Kiersten Hoey Greg Barclay, P.G. 6260

KH/aa/13
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentrations Map
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring and Sampling Data Package
Attachment B	Laboratory Analytical Report
Attachment C	Historical Groundwater Monitoring and Sampling Data

cc: Mr. Eric Frohnapple, Chevron *(electronic copy)*
Mr. Joe Zadik

FIGURES

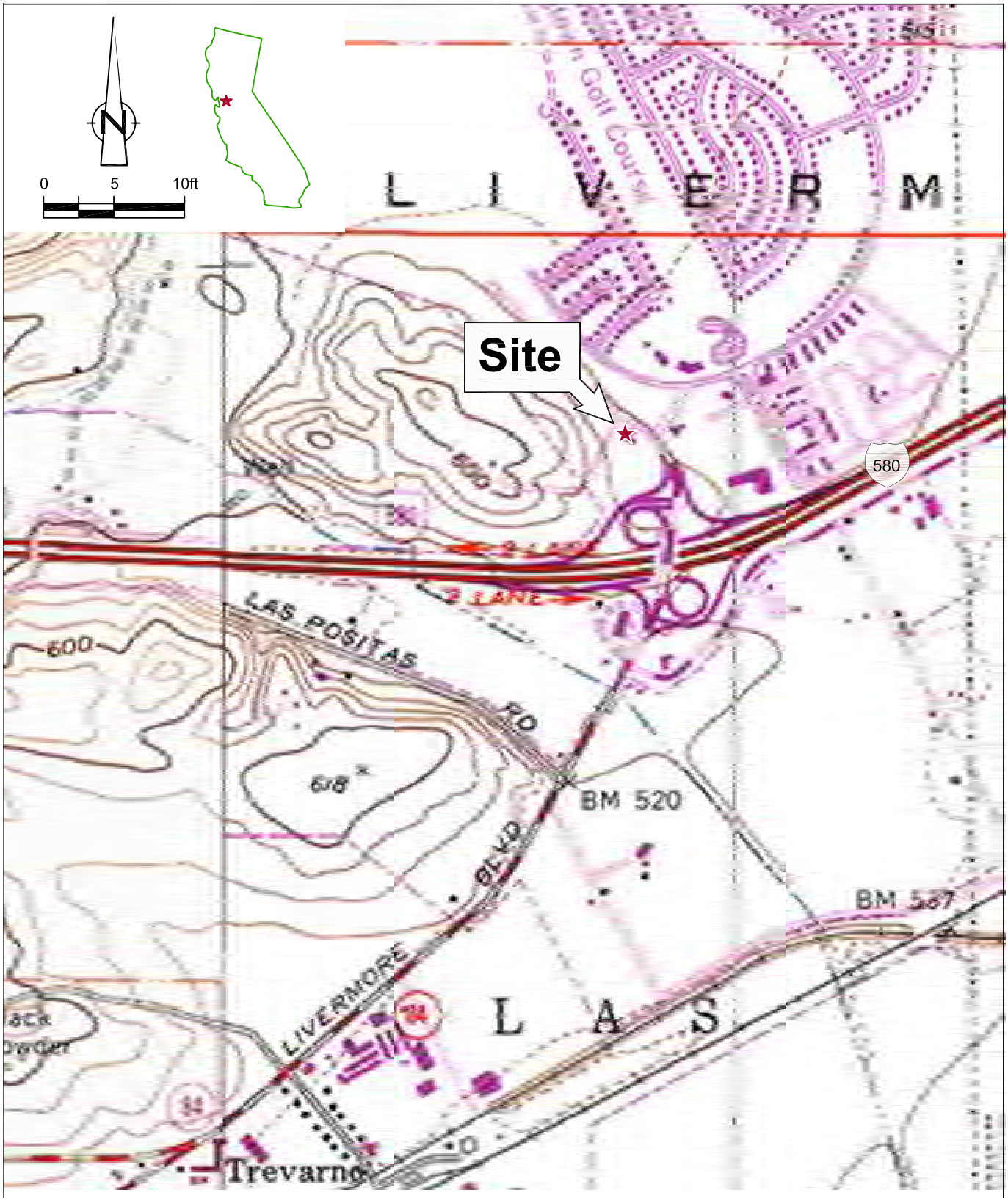

Figure 1

VICINITY MAP
FORMER TEXACO STATION 21-1253
930 SPRINGTOWN BOULEVARD
Livermore, California

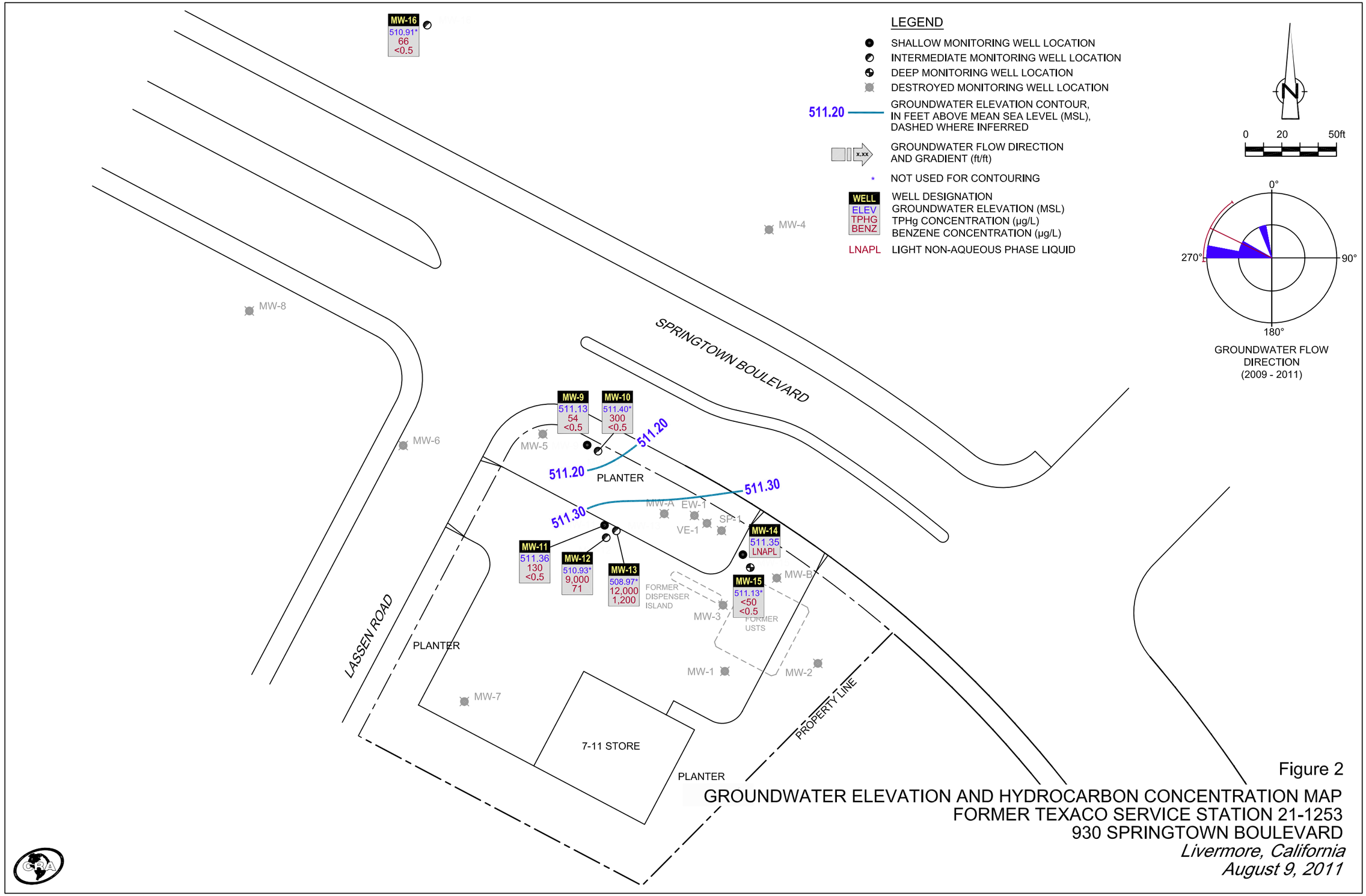

Figure 2

GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
FORMER TEXACO SERVICE STATION 21-1253
930 SPRINGTOWN BOULEVARD
Livermore, California
August 9, 2011

060058-95(013)GN-EM002 SEP 26/2011

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 21-1253
930 SPRINGTOWN BOULEVARD
LIVERMORE, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gallons*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-9	08/24/2010	523.14	13.58	509.56	-	-	3,500	6	8	180	79
MW-9	01/31/2011	523.14	12.31	510.83	-	-	68	<0.5	<0.5	3	<0.5
MW-9	**08/09/2011**	**523.14**	**12.01**	**511.13**	**-**	**-**	**54**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-10	08/24/2010	523.25	13.07	510.18	-	-	1,300	<0.5	<0.5	2	<0.5
MW-10	01/31/2011	523.25	11.92	511.33	-	-	250	<0.5	<0.5	<0.5	<0.5
MW-10	**08/09/2011**	**523.25**	**11.85**	**511.40**	**-**	**-**	**300**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-11	08/24/2010	523.42	13.80	509.62	-	-	2,000 J	6	2	9	5
MW-11	01/31/2011	523.42	12.35	511.07	-	-	790	1	<0.5	5	3
MW-11	**08/09/2011**	**523.42**	**12.06**	**511.36**	**-**	**-**	**130**	**<0.5**	**<0.5**	**0.9**	**<0.5**
MW-12	08/24/2010	523.12	12.84	510.28	-	-	18,000	210	650	330	1,900
MW-12	01/31/2011	523.12	12.47	510.65	-	-	9,600	64	180	180	400
MW-12	**08/09/2011**	**523.12**	**12.19**	**510.93**	**-**	**-**	**9,000**	**71**	**140**	**170**	**580**
MW-13	08/24/2010	520.88	13.69	507.19	-	-	13,000	810	710	76	660
MW-13	01/31/2011	520.88	12.21	508.67	-	-	22,000	1,600	1,600	270	1,600
MW-13	**08/09/2011**	**520.88**	**11.91**	**508.97**	**-**	**-**	**12,000**	**1,200**	**820**	**120**	**710**
MW-14	08/24/20101,**	520.88	10.36	510.75	0.29	0.00	-	-	-	-	-
MW-14	01/31/20111,**	520.88	9.96	511.12	0.25	0.00	-	-	-	-	-
MW-14	**08/09/20111,****	**520.88**	**9.67**	**511.35**	**0.17**	**0.00**	**-**	**-**	**-**	**-**	**-**

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 21-1253
930 SPRINGTOWN BOULEVARD
LIVERMORE, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gallons*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-15	08/24/2010	520.87	10.81	510.06	-	-	<50	<0.5	<0.5	<0.5	<0.5
MW-15	01/31/2011	520.87	9.86	511.01	-	-	<50	<0.5	<0.5	<0.5	<0.5
MW-15	**08/09/2011**	**520.87**	**9.56**	**511.31**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-16	08/24/2010	520.50	11.07	509.43	-	-	68	<0.5	<0.5	<0.5	<0.5
MW-16	01/31/2011	520.50	9.99	510.51	-	-	<50	<0.5	<0.5	<0.5	<0.5
MW-16	**08/09/2011**	**520.50**	**9.59**	**510.91**	**-**	**-**	**66**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
QA	08/24/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5
QA	01/31/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5
QA	**08/09/2011**	**-**	**-**	**-**	**-**	**-**	**<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-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

VOCS = Volatile Organic Compounds

B = Benzene

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
FORMER TEXACO SERVICE STATION 21-1253
930 SPRINGTOWN BOULEVARD
LIVERMORE, CALIFORNIA

							HYDROCARBONS	*PRIMARY VOCS*			
Location	Date	*TOC*	*DTW*	*GWE*	*LNAPLT*	*LNAPL REMOVED*	*TPH-GRO*	*B*	*T*	*E*	*X*
	Units	*ft*	*ft*	*ft-amsl*	*ft*	*gallons*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

T = Toluene

E = Ethylbenzene

X = Xylene

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

J = Estimated concentration

* TOC elevations were surveyed on July 22, 2009, 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 Not sampled due to the presence of LNAPL.

ATTACHMENT A

MONITORING DATA PACKAGE

GETTLER-RYAN INC.

TRANSMITTAL

August 16, 2011
G-R #385867

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 Texaco Service Station
930 Springtown Blvd.
Livermore, California
(Site #211253)

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi-Annual Event of August 9, 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/211253

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #211253
Site Address: 930 Springtown Blvd.
City: Livermore, CA

Job # 385867
Event Date: 8/09/11
Sampler: HAIG KEVORK

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-9	OK							N	N	EMCO-12" / 2	NO
MW-10	OK										
MW-11	OK										
MW-12	OK										
MW-13	OK										
MW-14	OK										
MW-15	OK										
MW-16	OK					3 Feet Deficient	OK				YES

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 #211253** Job Number: **385867**

Site Address: **930 Springtown Blvd.** Event Date: 8/09/11 (inclusive)

City: **Livermore, CA** Sampler: HAG K.

Well ID **MW-9** Date Monitored: 8/09/11

Well Diameter 4 in.

Total Depth 14.85 ft.

Depth to Water 12.01 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.

2.84 xVF 0.66 = 1.87 x3 case volume = Estimated Purge Volume: 5.6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.57

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	✓
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: 0 ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): 0925 Weather Conditions: SUNNY

Sample Time/Date: 0945/ 8/9/11 Water Color: CLOUDY Odor: Y / (N)

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

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0929	2	7.60	845	20.6		
0934	4	7.63	832	20.9		
0937	5.5	7.58	834	20.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #211253 Job Number: 385867
Site Address: 930 Springtown Blvd. Event Date: 8/09/11 (inclusive)
City: Livermore, CA Sampler: HAIG K.

Well ID MW-10 Date Monitored: 8/09/11
Well Diameter 4 in.
Total Depth 26.51 ft.
Depth to Water 11.85 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.

14.66 xVF 0.66 = 9.67 x3 case volume = Estimated Purge Volume: 29 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.78

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

Sampling Equipment:
Disposable Bailer ✓
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:

Start Time (purge): 0955 Weather Conditions: SUNNY
Sample Time/Date: 1025 8/9/11 Water Color: CLEAR Odor: (Y) N SLIGHT
Approx. Flow Rate: 2 gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 13.34

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1000	10	7.73	952	19.9		
1005	20	7.70	966	20.1		
1010	29	7.65	963	20.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #211253** Job Number: **385867**

Site Address: **930 Springtown Blvd.** Event Date: 8/09/11 (inclusive)

City: **Livermore, CA** Sampler: HAIG K.

Well ID **MW-11** Date Monitored: 8/09/11

Well Diameter **4** in.

Total Depth 14.73 ft.

Depth to Water 12.06 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.

2.67 xVF 0.66 = 1.76 x3 case volume = Estimated Purge Volume: 5.2 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.59

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	✓
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: _____

Start Time (purge): 1037 Weather Conditions: SUNNY

Sample Time/Date: 1100/8/9/11 Water Color: CLEAR Odor: (Y) / N MODERATE

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

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1041	2	7.38	1348	21.8		
1046	4	7.33	1350	20.9		
1049	5.5	7.31	1354	20.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211253** Job Number: **385867**

Site Address: **930 Springtown Blvd.** Event Date: 8/09/11 (inclusive)

City: **Livermore, CA** Sampler: HAG K.

Well ID **MW-12** Date Monitored: 8/09/11

Well Diameter **4** in.

Total Depth 26.41 ft.

Depth to Water 12.19 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.

14.22 xVF 0.66 = 9.3 x3 case volume = Estimated Purge Volume: 28 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.03

Purge Equipment:

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

Sampling Equipment:

- Disposable Bailer: ✓
- 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: ____

Start Time (purge): 1115 Weather Conditions: SUNNY

Sample Time/Date: 1148 / 8/9/11 Water Color: CLEAR Odor: (Y) / N MODERATE

Approx. Flow Rate: 2 gpm. Sediment Description: ____

Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 13.82

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C) / F	D.O (mg/L)	ORP (mV)
1120	10	7.42	1084	21.2		
1125	20	7.39	1069	21.4		
1129	28	7.36	1043	21.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS: ____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211253 Job Number: 385867
Site Address: 930 Springtown Blvd. Event Date: 8/09/11 (inclusive)
City: Livermore, CA Sampler: HAIG K.

Well ID MW-13 Date Monitored: 8/09/11
Well Diameter 4 in.
Total Depth 36.74 ft.
Depth to Water 11.91 ft.
24.83 xVF 0.66 = 16.38 x3 case volume = Estimated Purge Volume: 49 gal.
☐ 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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.87

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

Sampling Equipment:
Disposable Bailer ✓
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: (0) ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1152 Weather Conditions: SUNNY
Sample Time/Date: 1230/ 8/9/11 Water Color: CLEAR Odor: (Y) N MODERATE
Approx. Flow Rate: 2 gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 14.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C) F	D.O (mg/L)	ORP (mV)
1200	16	7.53	1032	21.6		
1208	32	7.48	1014	21.5		
1216	49	7.49	1018	21.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-13	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #211253** Job Number: **385867**

Site Address: **930 Springtown Blvd.** Event Date: 8/09/11 (inclusive)

City: **Livermore, CA** Sampler: HAIG K.

Well ID **MW-14** Date Monitored: 8/09/11

Well Diameter 4 in.

Total Depth 14.44 ft.

Depth to Water 9.67 ft.

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

☐ Check if water column is less then 0.50 ft.

4.77 xVF _____ = _____ x3 case volume = Estimated Purge Volume: N/A gal.

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

Purge Equipment:

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

Sampling Equipment:

- Disposable Bailer
- Pressure Bailer
- Discrete Bailer
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: N/A (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: 9.50 ft
Depth to Water: 9.67 ft
Hydrocarbon Thickness: 0.17 ft
Visual Confirmation/Description: N/A
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): _____ Weather Conditions: SUNNY

Sample Time/Date: N/A / _____ Water Color: _____ Odor: Y / N _____

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

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: N/A

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)

COMMENTS: NOT SAMPLED DUE TO (0.17' SPH)

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211253** Job Number: **385867**

Site Address: **930 Springtown Blvd.** Event Date: 8/09/11 (inclusive)

City: **Livermore, CA** Sampler: HAIG K.

Well ID **MW-15** Date Monitored: 8/09/11

Well Diameter 4 in.

Total Depth 46.02 ft.

Depth to Water 9.56 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.

36.46 xVF 0.66 = 24 x3 case volume = Estimated Purge Volume: 72 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.85

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	✓
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:

Start Time (purge): 0838 Weather Conditions: SUNNY

Sample Time/Date: 0915/8/9/11 Water Color: CLEAR Odor: Y / (N)

Approx. Flow Rate: 3 gpm. Sediment Description:

Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.57

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0846	24	7.82	1278	20.9		
0854	48	7.75	1256	20.7		
0902	72	7.76	1261	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211253 | Job Number: 385867
Site Address: 930 Springtown Blvd. | Event Date: 8/09/11 (inclusive)
City: Livermore, CA | Sampler: HAIG K.

Well ID: MW-16 | Date Monitored: 8/09/11
Well Diameter: 4 in.
Total Depth: 29.30 ft.
Depth to Water: 9.59 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.

19.71 xVF 0.66 = 13.0 x3 case volume = Estimated Purge Volume: 39 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.53

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer	✓
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: ~~0~~ ft
Visual Confirmation/Description: _____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: _____ gal
Amt Removed from Well: _____ gal
Water Removed: _____

Start Time (purge): 0742 | Weather Conditions: SUNNY
Sample Time/Date: 0820 8/9/11 | Water Color: CLEAR | Odor: Y / (N)
Approx. Flow Rate: 2 gpm. | Sediment Description:
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 11.28

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (C / F)	D.O. ~~(mg/L)~~	ORP ~~(mV)~~
0749	14	7.64	952	20.8		
0756	28	7.59	933	20.9		
0802	39	7.55	926	21.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)

COMMENTS: _____

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

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: _____ Sample # _____ Group #: 007869

$81811-$8

Facility #: SS#211253-OML G-R#385867 Global ID#

Site Address: 930 SPRINGTOWN BLVD., LIVERMORE, CA

Chevron PM: EF Lead Consultant: CRAHK Hoey

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

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

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

Sampler: HAIG KEVORK

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (☐ Potable ☐ NPDES)	Matrix: Oil ☐ Air	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX 8260 ☒ 8021 ☐ (H)	TPH 8015 MOD GRO (H)	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Total Lead ___ Method	Dissolved Lead ___ Method
QA	8/09/11		X			X		2	X	X					
MW-9		0945	X			X		6	X	X					
MW-10		1025	X			X		6	X	X					
MW-11		1100	X			X		6	X	X					
MW-12		1140	X			X		6	X	X					
MW-13		1230	X			X		6	X	X					
MW-15		0915	X			X		6	X	X					
MW-16	↓	0820	X			X		6	X	X					

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

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

Comments / Remarks

Please 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
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk
EDF/EDD

	Date	Time		Date	Time
Relinquished by:	8/9/11	1300	Received by: GETTLER-RYAN FRIDGE	8/9/11	1300
Relinquished by:	8/10/11	1446	Received by:	8/10/11	1446
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

August 23, 2011

Project: 211253

Submittal Date: 08/11/2011
Group Number: 1261126
PO Number: 0015075227
Release Number: FROHNAPPLE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-110809 NA Water	6372787
MW-9-W-110809 Grab Water	6372788
MW-10-W-110809 Grab Water	6372789
MW-11-W-110809 Grab Water	6372790
MW-12-W-110809 Grab Water	6372791
MW-13-W-110809 Grab Water	6372792
MW-15-W-110809 Grab Water	6372793
MW-16-W-110809 Grab Water	6372794

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

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

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

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

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: QA-T-110809 NA Water
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 QA

LLI Sample # WW 6372787
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBLQA

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	Z112271AA	08/15/2011 16:34	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 16:34	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227A07A	08/16/2011 14:31	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227A07A	08/16/2011 14:31	Elizabeth J Marin	1

Lancaster Laboratories

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Analysis Report

Sample Description: **MW-9-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-9

LLI Sample # WW 6372788
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 09:45 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL09

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.	54	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z112271AA	08/15/2011 16:58	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 16:58	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227A07A	08/16/2011 20:36	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227A07A	08/16/2011 20:36	Elizabeth J Marin	1

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Analysis Report

Sample Description: **MW-10-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-10

LLI Sample # WW 6372789
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 10:25 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL10

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.	300	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	D112281AA	08/16/2011 22:04	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D112281AA	08/16/2011 22:04	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227A07A	08/16/2011 21:01	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227A07A	08/16/2011 21:01	Elizabeth J Marin	1

Lancaster Laboratories

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Analysis Report

Sample Description: MW-11-W-110809 Grab Water
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-11

LLI Sample # WW 6372790
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 11:00 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	0.9	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.	130	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z112271AA	08/15/2011 17:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 17:21	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227A07A	08/16/2011 21:27	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227A07A	08/16/2011 21:27	Elizabeth J Marin	1

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Analysis Report

Sample Description: **MW-12-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-12

LLI Sample # WW 6372791
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 11:40 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL12

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	71	0.5	1
10943	Ethylbenzene	100-41-4	170	0.5	1
10943	Toluene	108-88-3	140	0.5	1
10943	Xylene (Total)	1330-20-7	580	5	10
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	9,000	500	10

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z112271AA	08/15/2011 17:45	Daniel H Heller	1
10943	BTEX 8260B Water	SW-846 8260B	1	Z112271AA	08/15/2011 18:09	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 17:45	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z112271AA	08/15/2011 18:09	Daniel H Heller	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227A07A	08/16/2011 23:12	Elizabeth J Marin	10
01146	GC VOA Water Prep	SW-846 5030B	1	11227A07A	08/16/2011 23:12	Elizabeth J Marin	10

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Analysis Report

Sample Description: **MW-13-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-13

LLI Sample # WW 6372792
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 12:30 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL13

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	1,200	10	20
10943	Ethylbenzene	100-41-4	120	1	2
10943	Toluene	108-88-3	820	10	20
10943	Xylene (Total)	1330-20-7	710	1	2
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	12,000	1,000	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	Z112271AA	08/15/2011 18:33	Daniel H Heller	2
10943	BTEX 8260B Water	SW-846 8260B	1	Z112271AA	08/15/2011 18:57	Daniel H Heller	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 18:33	Daniel H Heller	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z112271AA	08/15/2011 18:57	Daniel H Heller	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227D20A	08/17/2011 03:26	Laura M Krieger	20
01146	GC VOA Water Prep	SW-846 5030B	1	11227D20A	08/17/2011 03:26	Laura M Krieger	20

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Analysis Report

Sample Description: **MW-15-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-15

LLI Sample # WW 6372793
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 09:15 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL15

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	Z112271AA	08/15/2011 19:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 19:21	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227D20A	08/17/2011 00:08	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227D20A	08/17/2011 00:08	Laura M Krieger	1

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Analysis Report

Sample Description: **MW-16-W-110809 Grab Water**
Facility# 211253 Job# 385867 GRD
930 Springtown-Livermore T0600101353 MW-16

LLI Sample # WW 6372794
LLI Group # 1261126
Account # 10904

Project Name: 211253

Collected: 08/09/2011 08:20 by HK

Submitted: 08/11/2011 09:00
Reported: 08/23/2011 20:25

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SBL16

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.	66	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	Z112271AA	08/15/2011 19:45	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z112271AA	08/15/2011 19:45	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	11227D20A	08/17/2011 00:52	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11227D20A	08/17/2011 00:52	Laura M Krieger	1

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1261126
Reported: 08/23/11 at 08:25 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D112281AA	Sample number(s): 6372789							
Benzene	N.D.	0.5	ug/l	80		79-120		
Ethylbenzene	N.D.	0.5	ug/l	91		79-120		
Toluene	N.D.	0.5	ug/l	90		79-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: Z112271AA	Sample number(s): 6372787-6372788,6372790-6372794							
Benzene	N.D.	0.5	ug/l	95		79-120		
Ethylbenzene	N.D.	0.5	ug/l	98		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	98		80-120		
Batch number: 11227A07A	Sample number(s): 6372787-6372791							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	100	75-135	9	30
Batch number: 11227D20A	Sample number(s): 6372792-6372794							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D112281AA	Sample number(s): 6372789 UNSPK: P375608								
Benzene	88	92	80-126	5	30				
Ethylbenzene	96	103	71-134	7	30				
Toluene	98	106	80-125	8	30				
Xylene (Total)	96	103	79-125	7	30				
Batch number: Z112271AA	Sample number(s): 6372787-6372788,6372790-6372794 UNSPK: P372773								
Benzene	104	99	80-126	4	30				
Ethylbenzene	108	106	71-134	1	30				
Toluene	105	102	80-125	3	30				
Xylene (Total)	108	105	79-125	3	30				

Surrogate Quality Control

*- 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: 1261126
Reported: 08/23/11 at 08:25 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: D112281AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6372789	95	100	105	98
Blank	96	106	104	96
LCS	93	104	102	97
MS	95	106	101	97
MSD	94	105	104	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z112271AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6372787	100	98	99	98
6372788	102	99	99	98
6372790	100	98	101	99
6372791	101	98	100	108
6372792	99	100	99	100
6372793	101	97	99	97
6372794	99	99	99	98
Blank	103	102	98	99
LCS	102	102	98	99
MS	101	101	99	100
MSD	101	100	99	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 11227A07A

	Trifluorotoluene-F
6372787	95
6372788	94
6372789	100
6372790	97
6372791	115
Blank	94
LCS	105
LCSD	103
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 11227D20A

	Trifluorotoluene-F
6372792	113
6372793	105
6372794	107
Blank	101
LCS	133

*- 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: 1261126
Reported: 08/23/11 at 08:25 PM

Surrogate Quality Control

LCSD	135
Limits:	63-135

*- 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

For Lancaster Laboratories use only
Acct. #: 10904 Sample # 6372787-94 Group #: 007869

Ø8161I-Ø8

G# 1261126

Facility #: SS#211253-OML-G-R#385867-Global ID#
Site Address: 930 SPRINGTOWN BLVD., LIVERMORE, CA
Chevron PM: EF Lead Consultant: CRAHK Hoey
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: HAIG KEVORK

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 8260 ☐ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ____ Method ____	Total Lead Method ____	Dissolved Lead Method ____
QA	8/09/11		X			X		2	X	X					
MW-9		0945	X			X		6	X	X					
MW-10		1025	X			X		6	X	X					
MW-11		1100	X			X		6	X	X					
MW-12		1140	X			X		6	X	X					
MW-13		1230	X			X		6	X	X					
MW-15		0915	X			X		6	X	X					
MW-16		0820	X			X		6	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 | Type VI (Raw Data) | ☐ Coelt Deliverable not needed | WIP (RWQCB) | Disk

EDF/EDD

		Date	Time		Date	Time
Relinquished by:		8/9/11	1300	Received by: GETTLER-RYAN FRIDGE	08-09-11	1300
Relinquished by:		8/10/11	1446	Received by:	10AUG11	1446
Relinquished by:		8/10/11	1630	Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other				Received by:	Date 8/11/11	Time 0900
Temperature Upon Receipt 4.3-0 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.

ATTACHMENT C

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station #211253

930 Springtown Boulevard

Livermore, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-9										
07/23/09[1]	523.14	13.00	510.14	0.00	0.00	5,200	4	5	310	100
11/09/09	523.14	12.70	510.44	0.00	0.00	240	4	4	2	5
02/22/10	523.14	11.93	511.21	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5
05/24/10	**523.14**	**12.22**	**510.92**	**0.00**	**0.00**	**6,200**	**9**	**5**	**470**	**110**
MW-10										
07/23/09[1]	522.76	12.59	510.17	0.00	0.00	16,000	220	440	440	660
11/09/09	522.76	12.30	510.46	0.00	0.00	2,800	1	2[3]	30	30
02/22/10	522.76	11.52	511.24	0.00	0.00	3,600	9	2	61	10
05/24/10	**522.76**	**11.82**	**510.94**	**0.00**	**0.00**	**3,000**	**12**	**3**	**110**	**22**
MW-11										
07/23/09[1]	523.25	13.05	510.20	0.00	0.00	5,400	25	28	62	66
11/09/09	523.25	12.73	510.52	0.00	0.00	1,100	3	0.6[3]	2	2
02/22/10	523.25	11.96	511.29	0.00	0.00	1,400	2	<0.5	5	0.9
05/24/10	**523.25**	**12.27**	**510.98**	**0.00**	**0.00**	**1,700**	**1**	**<0.5**	**10**	**0.6**
MW-12										
07/23/09[1]	523.42	13.03	510.41**	0.02	5.01[2]	48,000	340	3,100	1,300	7,600
11/09/09	523.42	12.78	510.64	0.00	0.00	18,000	290	560	22	3,100
02/22/10	523.42	12.13	511.29	0.00	0.00	14,000	190	590	310	1,400
05/24/10	**523.42**	**12.38**	**511.04**	**0.00**	**0.00**	**17,000**	**150**	**530**	**320**	**1,400**
MW-13										
07/23/09[1]	523.12	12.75	510.37	0.00	0.00	52,000	760	6,200	980	13,000
11/09/09	523.12	12.51	510.61	0.00	0.00	12,000	340	1,300	16	1,700
02/22/10	523.12	11.87	511.25	0.00	0.00	13,000	630	600	22	960
05/24/10	**523.12**	**12.10**	**511.02**	**0.00**	**0.00**	**15,000**	**950**	**670**	**130**	**790**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station #211253

930 Springtown Boulevard

Livermore, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	SPHT (ft.)	SPH REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-14										
07/23/09[1]	520.88	10.40	510.48	0.00	0.00	8,400	230	460	180	670
11/09/09	520.88	10.11	510.77	0.00	0.00	23,000	1,800	1,900	750	2,600
02/22/10	520.88	9.37	511.51	0.00	0.00	48,000	3,600	7,900	2,100	9,400
05/24/10	**520.88**	**9.88**	**511.25****	**0.31**	**0.00**	**NOT SAMPLED DUE TO THE PRESENCE OF SPH**				**--**
MW-15										
07/23/09[1]	520.87	10.33	510.54	0.00	0.00	2,500	6	17	16	320
11/09/09	520.87	10.18	510.69	0.00	0.00	20,000	110	590	370	4,900
02/22/10	520.87	9.48	511.39	0.00	0.00	66	<0.5	3	1	6
05/24/10	**520.87**	**9.83**	**511.04**	**0.00**	**0.00**	**70**	**1**	**8**	**1**	**8**
MW-16										
07/23/09[1]	520.50	10.63	509.87	0.00	0.00	430	0.6	<0.5	<0.5	<0.5
11/09/09	520.50	10.31	510.19	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5
02/22/10	520.50	9.63	510.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5
05/24/10	**520.50**	**9.88**	**510.62**	**0.00**	**0.00**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
QA										
07/23/09	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/09/09	--	--	--	--	--	<50	<0.5	1[4]	<0.5	<0.5
02/22/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
05/24/10	--	--	--	--	--	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Station #211253
930 Springtown Boulevard
Livermore, California

EXPLANATIONS:

TOC = Top of Casing
(ft.) = Feet
DTW = Depth to Water
GWE = Groundwater Elevation
SPHT = Separate Phase Hydrocarbon Thickness
(msl) = Mean Sea Level
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
(µg/L) = Micrograms per liter

* TOC elevations were surveyed on July 22, 2009, by Morrow Surveying. Vertical datum is NAVD 88 from GPS Observations.

** GWE has been corrected due to the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.80)].

ANALYTICAL METHODS:

TPH-GRO analyzed by EPA Method 8015
BTEX analyzed by EPA Method 8260

[1] Well development preformed.

[2] Product + water removed.

[3] The Laboratory report indicates the result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The trip blank associated with this sample had a trace toluene detection of 1 ug/l. Please refer to the letter accompanying the lab report for further explanation.

[4] The Laboratory report indicates the result reported for toluene in this trip blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. Please refer to the letter accompanying the lab report for further explanation.