# GETTLER-RYAN INC.

**RECEIVED** 

1:37 pm, Jul 30, 2010

Alameda County
Environmental Health

### TRANSMITTAL

June 30, 2010 G-R #385876

TO:

Ms. Kiersten Hoey

Conestoga-Rovers & Associates 5900 Hollis Street, Suite A Emeryville, CA 94608 CC: Mr. Ian Robb

Chevron Environmental Management Company

6111 Bollinger Canyon Road,

Room 3612

San Ramon, CA 94583

(NO COPY)

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:

_	COPIE	ES	DATED	DESCRIPTION
	1		June 25, 2010	Groundwater Monitoring and Sampling Report Well Development Event of May 25, 2010 Second Quarterly Event of May 27, 2010

#### **COMMENTS:**

Pursuant to your request, we are providing you with copies of the above referenced report for <u>your</u> <u>use and distribution to the following (including PDF submittal of the entire report to</u> GeoTracker):

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

#### **Enclosures**



Ian Robb Project Manager Marketing Business Unit Chevron Environmental
Management Company
6001 Boilinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9496
Fax (925) 842-8370
lanrobb@chevron.com

JUNE 30, 2010

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

RE:	Chevron	Service	Station	# <u>307233</u>					
	Address	2259	FIRST	STREET,	LIVERMORE.	CALIFORNIA		·	
I have	reviewed t	he attac	hed rout	ine ground	water monitorin	g report dated_	JUNE 30	2010	

Lagree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan Inc., 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.

Sincerely,

Ian Robb

Attachment: Report

#### **WELL CONDITION STATUS SHFFT**

Client/Facility #: Site Address: City:		n #307233 st Street ere, CA				-	Job #: Event Date: Sampler:	385	51	25-1		\\ \tag{-1.5}	<del>-</del>
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)	REPL LO	ск	REPLA CAP Y/N	•	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
Mw-2	OK						<b>-</b> >	V		N		Eme /12"/2	
MW-3	OK	٠ ــــــــــــــــــــــــــــــــــــ					->	- 1		$\dashv$		Morrison /6"/2	
mu-4	OF						<del>-&gt;</del>		H	_		1	
mW-6	OK	6					>	\		4	<i>'</i>		
mw-1	olc									1		12" enco 2	<del>                                     </del>
MU-5	olc					-	1			7		1211 en 00 2	
10W-7	olc						_			4		6" MORRISM 2	
MW-8	ou	-	2X5/8 M/R	6/c						7	_	12" cmco 2	
mw-9	ole							1	,	N	′	6" MORRIS 2	
							-						
						_							×
										_			
						<u> </u>							
comments		<del></del> -	· · · · · · · · · · · · · · · · · · ·		<del></del> -								
				<del> </del>	<del></del> -		<u> </u>						

#### WELL CONDITION STATUS SHEET

Client/Facility #: Site Address: City:		#307233 st Street re, CA		· · · · · · · · · · · · · · · · · · ·		· ·	Job #: Event Date: Sampler:	385876	أى	27/10	_ _
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-l	OIC :							N	7	12" emrs 2	N
mw-2	Olı-						ھ			1	17
MW-5	ok-						-				
MW-8	011-										++-
Mw-J	0/4_						_>			6" Morph 2	++
mw-y	ok									]	
7W-6	01						-3				
Mw-7	OK -						9	1			++-
mw-q	٥١١-							1	1	1	
				·····							
											<u> </u>
				· · · · · · · · · · · · · · · · · · ·		_					
				5*2							
comments											



June 25, 2010 G-R Job #385876

Mr. Ian Robb Chevron Environmental Management Company 6111 Bollinger Canyon Road, 3612 San Ramon, CA 94583

RE:

Well Development Event of May 25, 2010 Second Quarter Event of May 27, 2010 Groundwater Monitoring & Sampling Report Former Chevron Service Station #307233 2259 First Street Livermore, CA

Dear Mr. Robb:

This report documents the well development and most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. All groundwater and decontamination water generated during sampling activities was removed from the site, per the attached Standard Operating Procedure. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding Project Coordinator

Douglas M Lee Senior Geologist, P.G. No. 6882

Figure 1:

Potentiometric Map - Deep Zone

Figure 2: Table 1: Potentiometric Map - Shallow Zone

Attachments:

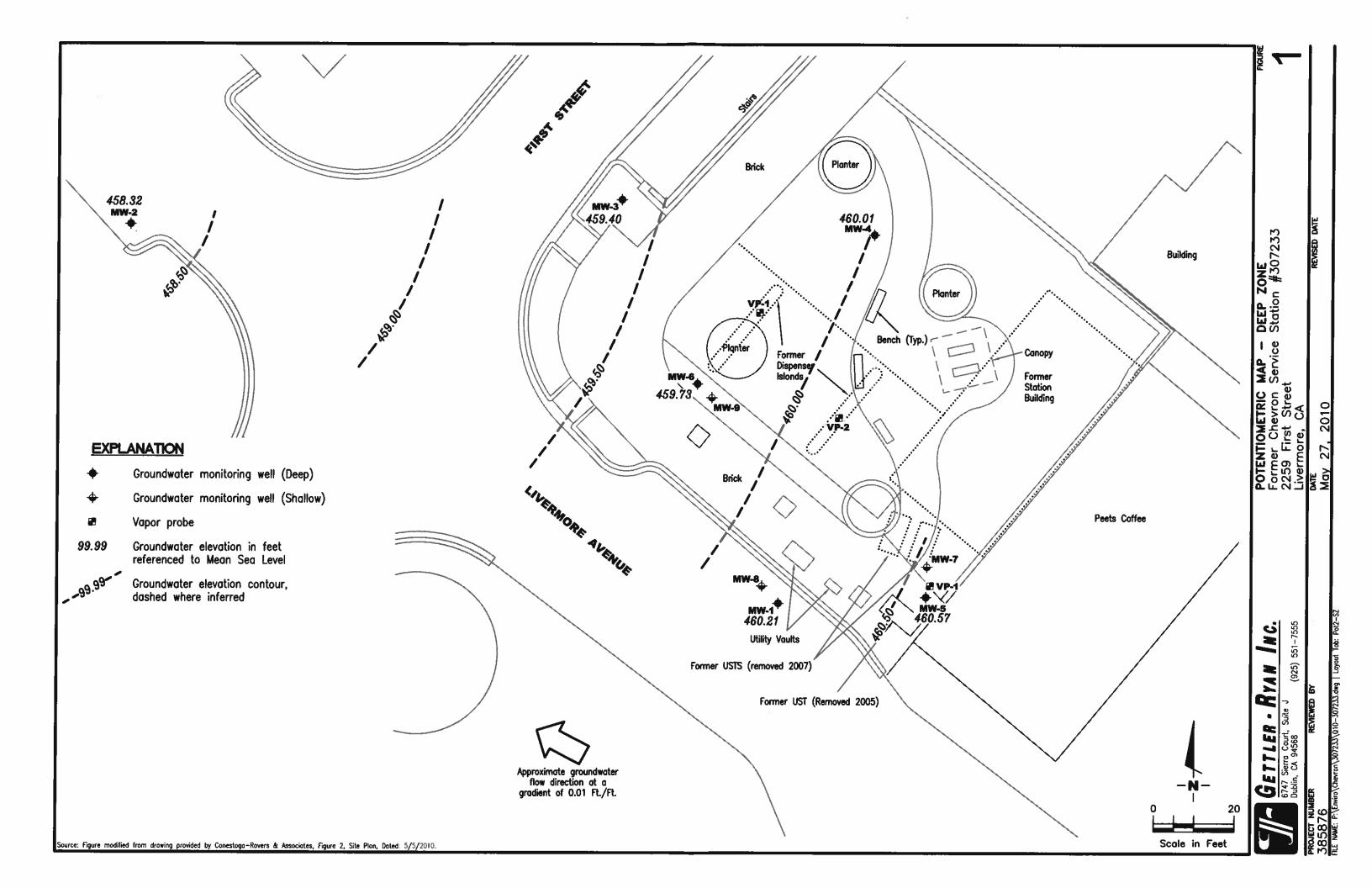
Groundwater Monitoring Data and Analytical Results Standard Operating Procedure - Groundwater Sampling

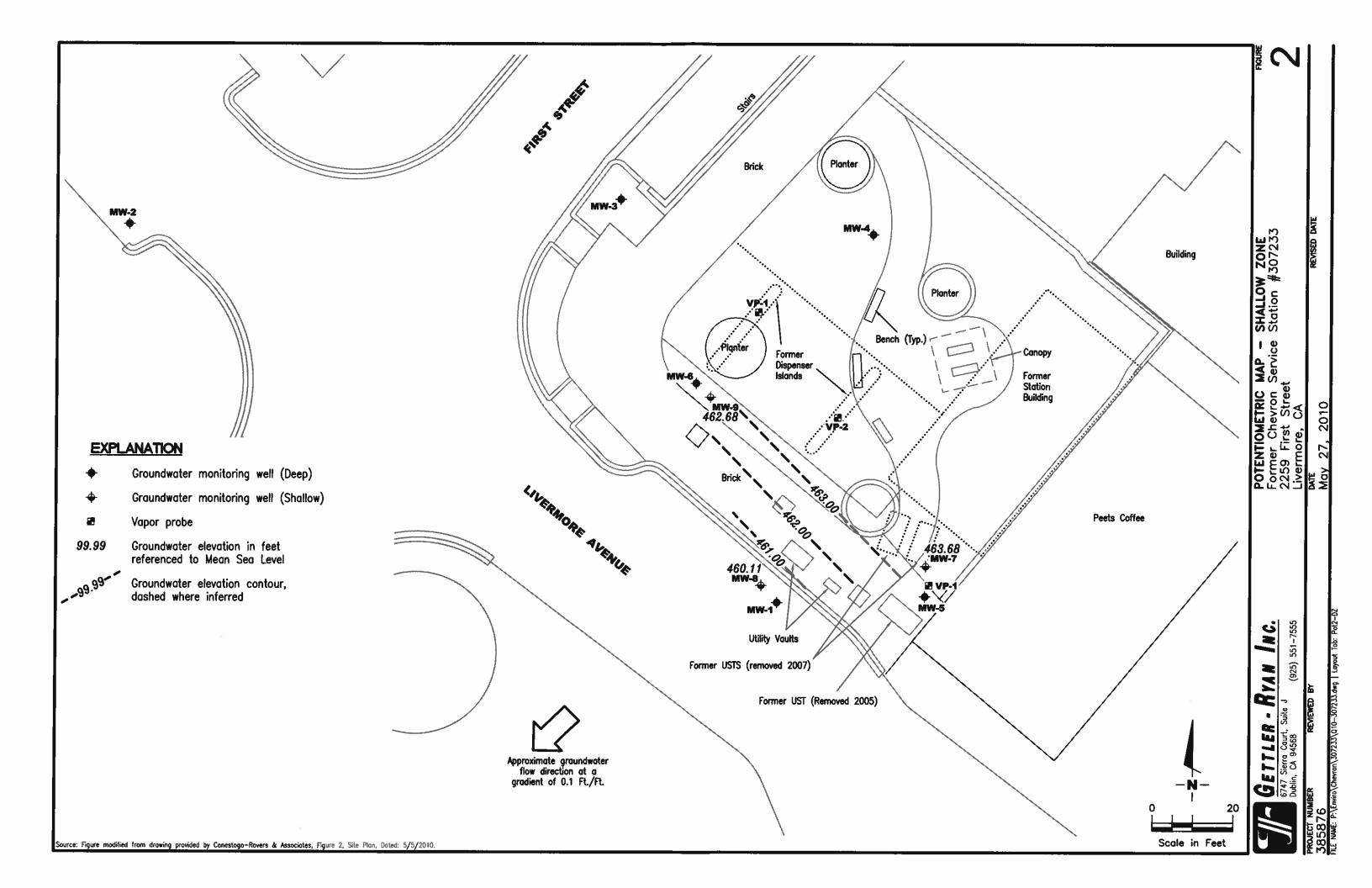
Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7555 • Fax (925) 551-7686
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

No. 6882





# Table 1 Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #307233

2259 First Street

Livermore, California

				Liverillore,	Cumoma	927 FFE L ( 9211)			
WELL ID/	TOC	DTW	GWE	TPH-DRO	TPH-GRO	В	Table	E	
DATE	(fi.)	(fi.)	(msl)	(µg/L)	(pg/L)	(ng/L)	(pg/L)	(pg/L)	(µg/L)
MW-1							5a <sup>2</sup>		
05/25/10 <sup>1</sup>	490.86	30.62	460.24				_		
05/27/10	490.86	30.65	460.21	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-2									
05/25/10 <sup>1</sup>	489.43	31.18	458.25	-		_	-		_
05/27/10	489.43	31.11	458.32	<50	<50	<0.5	<0.5	<0.5	<0.5
MW-3									
05/25/10 <sup>1</sup>	490.38	30.17	460.21	-		_		1221	
05/27/10	490.38	30.98	459.40	610	2,100	2	<0.5	<0.5	0.9
MW-4									
05/25/10 <sup>1</sup>	492.27	32.21	460.06	_	-			-	
05/27/10	492.27	32.26	460.01	230	1,800	1	<0.5	<0.5	0.7
MW-5									
05/25/10 <sup>1</sup>	491.99	31.39	460.60	-	-	-	_	_	-
05/27/10	491.99	31.42	460.57	120	420	2	<0.5	<0.5	1
MW-6									
05/25/10 <sup>1</sup>	491.52	31.63	459.89	_	_	~	-		H 9
05/27/10	491.52	31.79	459.73	1,000	3,700	4	<0.5	<0.5	1
MW-7									
05/25/10 <sup>1</sup>	492.29	28.69	463.60	-	<del>-</del>			_	
05/27/10	492.29	28.61	463.68	2,800	14,000	1,800	35	320	660

# Table 1 Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #307233

2259 First Street

Livermore, California

				Bivormore,					
WELL ID/	TOC*	DTW	GWE	TPH-DRO	TPH-GRO	R			X
DATE	(ft.)	(fl.)	(msl)	(µg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)
MW-8									
)5/25/10 <sup>1</sup>	490.89	30.62	460.27	_		_		_	
05/27/10	490.89	30.78	460.11	750	3,100	36	3	<0.5	2
MW-9									
)5/25/10 <sup>1</sup>	491.64	29.23	462.41	-	_	_			_
05/27/10	491.64	28.96	462.68	<50	<50	<0.5	<0.5	<0.5	<0.5
QA									
5/27/10			_		<50	<0.5	<0.5	<0.5	<0.5

2

#### Table 1

#### Groundwater Monitoring Data and Analytical Results

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

#### **EXPLANATIONS:**

TOC = Top of Casing

TPH = Total Petroleum Hydrocarbons

(ft.) = Feet

DRO = Diesel Range Organics

DTW = Depth to Water

GRO = Gasoline Range Organics

GWE = Groundwater Elevation

B = Benzene

(msl) = Mean Sea Level

T = Toluene

E = Ethylbenzene

X = Xylenes

-- = Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank

 $(\mu g/L)$  = Micrograms per liter

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

#### **ANALYTICAL RESULTS:**

TPH-DRO by EPA Method 8015B with silica gel cleanup TPH-GRO by EPA Method 8015B BTEX by EPA Method 8260

Well development performed.

### STANDARD OPERATING PROCEDURE –WELL DEVELOPMENT 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 well development, each well is monitored for the presence of free-phase hydrocarbons and the depth to water is recorded. Wells are then developed by alternately surging the well with the bailer, then purging the well with a pump to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

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.

#### 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.

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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.

### FORMER CHEVRON SERVICE STATION #307233 Livermore, CA

WELL DEVELOPMENT EVENT OF May 25, 2010

Client/Facility#: Chevron #307233	Job Number:	385876	
Site Address: 2259 First Street	Event Date:	5/25/10	- (inclusive)
City: Livermore, CA	Sampler:	<u> </u>	- (
Well IDMW-8 mw-/	Date Monitored:	5/25/10	
Well Diameter 2 in.			-
Initial Total Depth 58.75 ft.	Volume 3	/4"= 0.02 1"= 0.04 2"= 0.17	3*= 0.38
Final Total Depth 58.82 ft.	Factor (VF)		2"= 5.80
<del></del>	if water column is less then 0.50	ff	
		Estimated Purge Volume: 47.82	goi
Depth to Water w/ 80% Recharge [(Height of Water	Column x 0.20) + DTW1: 34.24	Laumated Parge Volume.	gai.
Se William Se	2002, 2002,	Time Started:	(2400 hrs)
Purge Equipment: Sampli	ng Equipment:	Time Completed:	(2400 hrs)
Disposable Bailer Disposable Bailer	able Bailer	Depth to Product:	
	re Bailer	Depth to Water: Hydrocarbon Thickness:	ft
	e Bailer	Visual Confirmation/Description:	"
	tic Pump	Skimmer / Absorbant Sock (circle of	
Peristaltic Pump Other:		Amt Removed from Skimmer:	. gal
QED Bladder Pump		Amt Removed from Weli:	gal
Other:		Water Removed: Product Transferred to:	
Start Time (purge): 0925	Weather Conditions:	Clarky	
Sample Time/Date: / 5467	Water Color: Clark	Odor: Y / 6	<del></del>
Approx. Flow Rate: gpm.	Sediment Description:	2. 13	<del></del>
		gal. DTW @ Sampling:	
	onductivity Temperature hos/cm - (6 / F)	D.O. ORP	
•935 5 7.54	hos/cm- <b>@</b> ) ( <b>@</b> / F) <b>924</b> 19.4	(mg/L) (mV)	
0145 10 7.72	$\frac{709}{1121} - \frac{19.7}{19.3}$	<del></del>	
	1183 19.2		
1000 30 7.60	177 19.1	<del></del>	
1005 25 7.57	182 19.2		
1010 30 7.58 1	190 14.0		
	19.0		
	19.2		
	206 11.1		
LABO	PRATORY INFORMATION		77
SAMPLE ID (#) CONTAINER REFRIG. PR	ESERV. TYPE LABORATORY	ANALYSES	
			<del></del>
COMMENTS; INITIAL CGI READING: 6	<u>8                                    </u>	DEVELOP ON	ILY
Replaced (2) missing 5/8" Bolts,	well also Hal No		COVERING
the well - well very silty punge			
Add/Replaced Lock: Add/Repla	aced Plug: 211	Add/Replaced Bolt: (2) 5	187



Client/Facility#:	Cnevron #30/23	3	Job Number:	385876	
Site Address:	2259 First Street	•	Event Date:	5-25-10	(inclusive)
City:	Livermore, CA		Sampler:	AW	,
Well ID Well Diameter Initial Total Dept Final Total Deptl Depth to Water	MW- 2 2 in. 58.63 ft. 56.64 ft. 31.18 ft. 27.45 xvF		Volume Factor (VF) mn is less then 0.50 x10 case volume ) + DTWJ: 36.6	= Estimated Purge Volume:	7. 0 gal.  (2400 hrs) (2400 hrs) ft ft ft gal  rcle one) gal
Other:				Product Transferred to:	
Start Time (purge Sample Time/Dat Approx. Flow Rat Did well de-water Time (2400 hr.)  0923  0926  0937  0941  0945  0953  0957	Volume (gal.) 7.5 10.0 7.5 25.0 7.5 25.0 7.5	Sediment Day Time:Volume:	Temperature  (C) F)  19.5  19.6  19.6  19.6  19.6	Odor: Y // Sampling:	N/A
SAMPLEID	(#) CONTAINER REF	LABORATORY I		ANIALVARA	
SAMPLE IV	(*) CONTAINEN REF	TRESERV. 17PE	LABORATORY	ANALYSES	
COMMENTS:	NITIAL CGI READ			DEVELOP	ONLY
Add/Replaced L	ock:	Add/Replaced Plug:		Add/Replaced Bolt:	<del></del>

Client/Facility#:	Cnevron #30/233		Job Number:	385876	
Site Address:	2259 First Street		Event Date:	5-25-10	(inclusive)
City:	Livermore, CA		Sampler:	Aw	()
			——————————————————————————————————————		<del></del>
Well ID	MW- 3		Date Monitored:	5-25-10	<u>-</u>
Well Diameter	2 in.	'	Date Monitored.	<u> </u>	<u> </u>
Initial Total Dept			Volume	2/411-0.00 411-0.04	7
•			Factor (VF)	3/4"= 0.02 1"= 0.04 2"= 0.17 4"= 0.66 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
Final Total Dept					
Depth to Water	30.17 ft.	Check if water colum			
Davids to Michael	73.84 xVF_	17 = 7.03	x10 case volume	= Estimated Purge Volume: 40	
Depth to water	w/ 80% Recharge [(Height	t of Water Column x 0.20)	+ DTW]: <u>34-,7'</u>	· •	
Purge Equipment:		Sampling Equipment:		Time Started: Time Completed:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product:	(2400 hrs)
Stainless Steel Baile	. ———	Pressure Bailer	<del></del>	Depth to Water:	ft
Stack Pump		Discrete Bailer	_	Hydrocarbon Thickness: Visual Confirmation/Description	ft
Suction Pump		Peristaltic Pump	.00	visual Commation/Description	n:
Grundfos		QED Bladder Pump		Skimmer / Absorbant Sock (circ	cle one)
Peristaltic Pump	<del></del>	Other:		Amt Removed from Skimmer:_ Amt Removed from Well:_	
QED Bladder Pump				Water Removed:	gal
Other:				Product Transferred to:	
Start Time (purge	045	Weather Co	nditions:	Cloudy	
Sample Time/Da	te:	Water Color	:_Cloudy	Odor: 1 N / Sligh	I
Approx. Flow Rat	te: 0 gpm.	 Sediment De		Hewy	
Did well de-water	<del></del>	me: <u>/0.55</u> Volu	· · · · · · ·	gal. DTW @ Sampling:	NIA
	•		~ 13.0	ga 5	
Time (2400 hr.)	Volumė pH	Conductivity	<b>Lempe</b> rature	D.O. ORP	
(2400 III.)	(gal.) 40 7.71	(µmhos/cm (µ <del>B</del> )	(C) F)	(mg/L) (m√)	
1090		400	19.6		_
1053	8.0 7.74	413	19.6		<del></del>
1130	1600 77	3 813	199	<del></del>	<del>_</del>
1150	20.0 7.72	2 2	14.5		_
1210	24-0 7.6	3/7	9.2	<del></del>	<del></del>
1230	74.0 7.62	407	9.2		_
1250	32.0 7.6	305	197		<del>_</del>
1310	36.0 7.60	1 - 305	19.1		
1330	40.0 7.60	2 <u> </u>	19.1		
		LABORATORY	EORMATION		
SAMPLE ID	(#) CONTAINER   REFRI	LABORATORY IN G.   PRESERV. TYPE	LABORATORY	ANALYSES	
	``			711721020	
	·				
<del>-</del>		<del></del>			
	L		<u> </u>		
COMMENTS:	<u>INITIAL CGI READII</u>			DEVELOP (	ONLY
* Slow	recovery *	Waited for	recovery	In intervals.	
<del></del>					
Add/Replaced L	.ock: V A	dd/Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #30	7233		Job Number:	385876	
Site Address:	2259 First St	reet		Event Date:	5-25-10	(inclusive)
City:	Livermore, C	Α		Sampler:	Aw	
Well ID Well Diameter Initial Total Dept Final Total Dept Depth to Water  Depth to Water  Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	MW-4  2 in.  56.93 ft.  58.93 ft.  32.21 ft.  26.72  w/ 80% Recharge	XVF C (Height of W Sa Di Pr DI Pe	theck if water column	Volume 3. Factor (VF)  n is less then 0.50 x10 case volume =	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Description Skimmer / Absorbant Sock (cin) Amt Removed from Skimmer: Amt Removed from Well: Water Removed:	12"= 5.80  gal.  (2400 hrs) (2400 hrs) ft ft ft on: rcle one) gal
Other:	<del></del>				Water Removed: Product Transferred to:	
Start Time (purge Sample Time/Da Approx. Flow Rat Did well de-water (2400 hr.)  1346  1352  1356  1400  1405  1415  1420  1425	Volume (gal.) 5.0 10.0 25.0 30.0	gpm. yes, Time:  pH  1.63  7.66  7.65  7.61  7.64  7.64  7.64  7.62  7.62	Weather Cor Water Color: Sediment De Volun Conductivity (µmhos/cm (15) 75 4 75 7 75 7 75 6 75 6 75 6 75 6	Cloudy scription:	Odor: Y I/O	N/A-
SAMPLE ID	(#) CONTAINER	REFRIG.	ABORATORY INI PRESERV. TYPE	FORMATION LABORATORY	ANALYSES	
COMMENTS:	INITIAL CGI RI	EADING:	Burst		DEVELOP	ONLY
Add/Replaced L	ock:	Add/F	Replaced Plug:		Add/Replaced Bolt:	

Client/Facility#:	Chevron #30	7233		Job Number:	385876	
Site Address:	2259 First S	treet	_	Event Date:	5/25/10	(inclusive)
City:	Livermore, C	A		Sampler:	J) <del>y</del>	······································
Well ID Well Diameter Initial Total Dep Final Total Dep Depth to Water	th 58.88 ft.	- - - -	Check if water colum	Factor (VF) in is less then 0.50	5/25/19  2/4"= 0.02 1"= 0.04 2"= 0 4"= 0.66 5"= 1.02 6"= 1  ft.  Estimated Purge Volume: 46	.50 12"= 5.80
Purge Equipment: Disposable Bailer Stainless Steel Baile Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	er ×	<b>s</b> E E D P	Water Column x 0.20) -  iampling Equipment:  Disposable Bailer  Pressure Bailer  Discrete Bailer  Peristaltic Pump  DED Bladder Pump  Other:	+ DTWJ:	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Descri Skimmer / Absorbant Sock Amt Removed from Skimm Amt Removed from Well: Water Removed: Product Transferred to:	ftftft ption:  (circle one) er:galgal
Start Time (purg Sample Time/Da Approx. Flow Ra Did well de-water (2400 hr.)  / 336  / 337  / 340  / 341  / 352  / 355	ate:/	pH 7.67 7.69 7.60 7.53 7.50 7.29 7.20 7.31	Conductivity (µmhos/cm - 43)  1744  1787  1865  1849  1861  1854  1857	Claud. escription:  me:  (C) / F)  /9.6  /9.5  /1.0  /9.1  /1.5  /1.5  /1.5  /1.5  /1.5	Odor: Y / 100  Lighty  pal. DTW @ Sampling:  D.O. OR  (mg/L) (m)	P
SAMPLEID	(#) CONTAINER	7.26 REFRIG.	ABORATORY IN PRESERV, TYPE	FORMATION LABORATORY	ANALYSE	\$
	INITIAL CGI R	~ 40 6	allens Fran	wh.	DEVELO	P ONLY
Add/Replaced	Lock:	Add/	Replaced Plug:		Add/Replaced Bolt:	



Cilent/Facility#:	Chevron #30723	33	_ Job Number:	3858/6	
Site Address:	2259 First Stree	t	Event Date:	5-25-10	— (inclusive)
City:	Livermore, CA		Sampler:	Aw	
			_		
Well ID	MW- 6_		Date Monitored:	5-25-10	
Well Diameter	<b>2</b> in.				_
Initial Total Dept	h 58.80 ft.			/4"= 0.02   1"= 0.04     2"= 0.17	3"= 0.38
Final Total Depti			Factor (VF)	4"= 0.66 5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water	31.63 ft.	Check if water colu	umn is less then 0.50	ft.	
	27.17 xVF		_	Estimated Purge Volume: 47.	O gal.
Depth to Water v	w/ 80% Recharge [(He	ight of Water Column x 0.20	0) + DTW]: 37.06		
	-			Time Started:	(2400 hrs)
Purge Equipment:	_	Sampling Equipmen	nt:	Time Completed:	(2400 hrs)
Disposable Bailer		Disposable Bailer		Depth to Product: Depth to Water:	ft
Stainless Steel Bailer		Pressure Bailer	/	Hydrocarbon Thickness:	π
Stack Pump Suction Pump		Discrete Bailer		Visual Confirmation/Description	n:
Suction Pump Grundfos		Peristaltic Pump QED Bladder Pump	<del></del>	Skimmer / Absorbant Sock (cir	cle one)
Peristaltic Pump		Other:		Amt Removed from Skimmer:	gal
QED Bladder Pump		Outor	<del></del>	Amt Removed from Well:	gal
Other:				Water Removed: Product Transferred to:	<del></del>
					-
Start Time (purge	1142	Mantha- C	an didan.	Ragny	
	· — — — — — — — — — — — — — — — — — — —	Weather C			
Sample Time/Dat	- 4-4		or: Cloudy	Odor: (2) / N/(1/4 h	<u> </u>
Approx. Flow Rat			Description: /	Cloudy	
Did well de-water	? <b>,</b> If yes,	Time:Vol	lume:	gal. DTW @ Sampling/	N/A
Tlme	Volume .	Conductivity	Temperature	D.O. ORP	·
(2400 hr.)	(gal.) pł	μS)	Temperature (CC / F)	(mg/L) (mV)	
49 (1)	5.0 7.	60 760	18.3		
14:53	10.0 7.6	13 751	183		<del>_</del>
1457	15.0 7.	<u>60 756'</u>	183		<del></del>
50	20.0 7.	61 752	18.2		_
1505	750 7	60 _ 752_	18,5		_
1512	300 7.	64 754	18.4		
1515	3600 7	<u> </u>	18.3		72
	400 75	<del>2</del> — <u>75</u> 5	18,4		<del></del>
1525 1530	450 7	St - 757	18.2	<del></del>	_
	50,0 7	<u> </u>			
		LABORATORY	INFORMATION		
SAMPLE ID	(#) CONTAINER REI	FRIG. PRESERV. TYPE		ANALYSES	
<b></b>	<del></del>		<del> </del>		
<u> </u>	<del></del>	<del></del>	<del>                                     </del>	<u> </u>	
				<del></del>	
			1		
COMMENTS:	NITIAL COLDEAS	DING. (X			
well von sith	INITIAL CGI REAL		<u> </u>	DEVELOP	ONLY
rei ven sun	so verion ex	to puyel			<del></del>
A 4.1/5 . 1		A 1147 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<del></del>
Add/Replaced L	OCK:	Add/Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #3	07233		Job Number:	385876	
Site Address:	2259 First S	treet		Event Date:	5/25/10	(inclusive)
City:	Livermore, (	CA		Sampler:	ZY	
Well ID Well Diameter Initial Total Dep Final Total Dep Depth to Water	th 32.85 ft		Check if water colum	Factor (VF) n is less then 0.50		50 12"= 5.80
Depth to Water			Water Column x 0.20) +		Estimated Purge Volume: 6	و gai.
Purge Equipment: Disposable Baller Stainless Steel Baile Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	er ×	\$ F C	Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Peristaltic Pump QED Bladder Pump Other:		Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Descrip Skimmer / Absorbant Sock Amt Removed from Skimmer Ant Removed from Well: Water Removed: Product Transferred to:	ft ft ft ft ft circle one) er: gal gal
Start Time (purgo Sample Time/Da Approx. Flow Ra Did well de-wate Time (2400 hr.)	ate: /	gpm. yes, Time pH 7.82	Weather Cor Water Color: Sediment De :: /2/4 Volun Conductivity (µmhos/cm - µ\$	clear_	Cloudy Codor: (Y) N/ L.54  Jal. DTW @ Sampling: D.O. ORF (mg/L) (mV	·
2    2 2  2 3  230  233  236  250	1.5 2.5 3.5 3.5 4.5 4.5 4.5 7.0	7.81 7.69 7.57 7.59 7.51 7.55 7.50 7.44	564  1587  1587  1587  631  1661  1685  1702	9.2   18.1   18.7   18.4   19.3   15.5   16.7		
SAMPLE ID	(#) CONTAINER	REFRIG.	LABORATORY IN			
And Fe In	(#) SONTAINER	NET RIG.	PALGERY. HTE	LABORATORY	ANALYSES	
COMMENTS:	INITIAL CGI F	READING	5: Ø 37 5.75 41		DEVELO	PONLY
Add/Replaced l	Lock:	Add	/Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#: C	hevron #3072	33	Job Number:	385876	
Site Address: 22	259 First Stree	et	Event Date:	5/25/10	(inclusive)
City: Li	vermore, CA		Sampler:	3)	
Well ID Well Diameter Initial Total Depth Final Total Depth Depth to Water	MW-T m 2 in. 38.88 ft. 39.42 ft. 30.62 ft.	Check if water of	Factor (VF)	5/25/10 1/4"= 0.02 1"= 0.04 2"= 0.17 4"= 0.66 5"= 1.02 6"= 1.50	12"= 5.80
Depth to Water w/ 8	<b>%. 24</b> xvr 0% Recharge ((He	eight of Water Column x	x10 case volume = 0.20) + DTW]:	Estimated Purge Volume: 19	69gal.
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:		Sampling Equipr Disposable Bailer Pressure Bailer Discrete Baller Peristaltic Pump QED Bladder Pum Other:	ment:	Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Descripti Skimmer / Absorbant Sock (c Amt Removed from Skimmer Amt Removed from Well: Water Removed: Product Transferred to:	ircle one) :gat gat
Start Time (purge): Sample Time/Date: Approx. Flow Rate: Did well de-water?	/ / 5/2 gpr	Water C	r Conditions:  Color: Clary  nt Description!	Cloudy Odor: Y 1 166 Light gal. DTW @ Sampling:	
Time (2400 hr.)  1043  1047  1051  1053  1101  1118  1120  1122  1140  1142	Volume (gal.)  1.5  2.0  7.  4.5  7.  6.0  7.	Conductivity (µmhos/cm - µ 1) 2 1) 2 1 1 5 5 7 1 1 3 0 5 7 1 1 5 7 1 1 5 7 1 1 5 7 1 1 5 7 1 1 5 7 1 1 5 7 1 6 7 1	Temperature	D.O. ORP (mg/L) (mV)	
SAMPLE ID (#)	CONTAINER   RE	LABORATOR FRIG.   PRESERV. T	Y INFORMATION YPE   LABORATORY	ANALYSES	
				AINLIVES	
Well Dewardend Well Dewardend		DING: 8 1102 86.1101 123 12.5 6		DEVELOP	ONLY
Add/Replaced Lock:	• •	Add/Replaced Plu		Add/Replaced Bolt:	

Client/Facility#	: <u>Unevron #3</u>	07233		Job Number:	385876	
Site Address:	2259 First S	treet	· · · · · · ·	Event Date:	5/25/10	(inclusive)
City:	Livermore,	CA		Sampler:	7.7	
Well ID Well Diameter Initial Total Dep Final Total Dep Depth to Water	oth 39.58 ft 39.64 ft	<u>1.</u> 	Check if water colum	Factor (VF) n is less then 0.50	5   25   16 0/4"= 0.02 1"= 0.04 4"= 0.66 5"= 1.02 0 ft. = Estimated Purge Volum	2"= 0.17 6"= 1.50 12"= 5.80 e: /7.55 gal.
Depth to Water			Vater Column x 0.20) +			e. <u> </u>
Purge Equipment: Disposable Bailer Stainless Steel Baile Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	er X	D Pi Di Pi Q	ampling Equipment: isposable Bailer ressure Bailer iscrete Bailer eristaltic Pump ED Bladder Pump ther:		Time Started: Time Completed: Depth to Product: Depth to Water: Hydrocarbon Thicknevisual Confirmation/I Skimmer / Absorbant Amt Removed from V Water Removed: Product Transferred	ft ess:ft Description:  Sock (circle one) Skimmer:gal Vell:gal
Start Time (purg Sample Time/Di Approx. Flow Ri Did well de-water (2400 hr.)  /// 3 D  /// 4 D  /// 5 D  // 5 D	ate: /	gpm. yes, Time: pH 7.64 7.65 7.63 7.63 7.63 7.57 7.75 7.75	Sediment De	classistion:	Doc. (mg/L)	ng:
O A SEPTION	T (#) OOMTAINED		ABORATORY IN			
SAMPLE ID  COMMENTS:	(#) CONTAINER			LABORATORY		ELOP ONLY
Well Devotord Well De worken	2 al time at	1530	4.25 Lather			
Add/Replaced	Lock: X	Add/I	Replaced Plug:		Add/Replaced Bolt	

### FORMER CHEVRON SERVICE STATION #307233 Livermore, CA

### QUARTERLY MONITORING EVENT OF May 27, 2010



Client/Facility#:	Chevron #30	7233		Job	Number:	385876		
Site Address:	2259 First St	reet		Eve	nt Date:	5/27/10		— (inclusive)
City:	Livermore, C	Ά		Sar	npler:	<b>□</b>		_
Well ID	_MW- 8	mw-	/	Date N	lonitored:	5/27/11		
Well Diameter	<b>2</b> in		Г	Volume	3/4"= 0.02			<del>-</del>
Total Depth	58.82 ft	-		Factor (VF)	4"= 0.66		= 0.17	
Depth to Water	30.65 ft.		Check if water					
Denth to Water	28.17 w/ 80% Recharge	xVF	17 = 4.7	X3 ca	se volume =	Estimated Purge Vo	olume: /9.36	_ gal.
Doptil to Water	W/ 00 /6 Nechange	(i leight of	Water Column X	U.ZU) + D I VV]		Time Started	•	(2400 hrs)
Purge Equipment:			Sampling Equip	ment:		Time Comple	ted:	(2400 hrs)
Disposable Bailer			Disposable Bailer		K	Depth to Prod	duct:	
Stainless Steel Baile	er		Pressure Bailer			Depth to Wat		ft
Stack Pump	$\overline{\hspace{1cm}}$		Discrete Bailer				Thickness:	ft
Suction Pump			Peristaltic Pump			Visual Comin	nation/Description	ı <b>.</b>
Grundfos			QED Bladder Pun			Skimmer / Ab	sorbant Sock (circ	de one)
Peristaltic Pump			Other:			Amt Remove	d from Skimmer:	gal
QED Bladder Pump			Outer	-		Amt Removed Water Remov	d from Well:	gal
Other:							sferred to:	<del></del>
Other						8		
Start Time (purg	e): <i>0820</i>		\\/eathe	r Condition		Cloudy		
	, <del></del>	-11-						
Sample Time/Da		127/10	Water C		<u> </u>	·		
Approx. Flow Ra	ate:	gpm.	Sedime	nt Descript	ion:	L.5 H5		
Did well de-water	er? <u>///)</u> If	yes, Tim	e:	Volume:		gal. DTW @ Sa	mpling: 31	82
Time	Volume (gal.)	рH	Conductivity		perature	D.O.	ORP	
(2400 hr.)	volume (gal.)	•	(µmhos/cm - (	§ ( <i>§</i>	/ F )	(mg/L)	(mV)	
0825		7.64	1088		7.8			_
0 830	10	7. 41	1897	<u> </u>	2.9			-
0834		7.35	1120		:1			•
								•
W.			LABORATOR					
SAMPLE ID	(#) CONTAINER	REFRIG.	<del></del>		ORATORY		ANALYSES	
_MW-8	6 x voa vial	YES	HCL		CASTER	TPH-GRO(8015)/B		
MW-I	2 x 500ml ambers	YES	NP	LA	CASTER	TPH-DRO w/sgc (8	015)	
<del> </del>	<del>                                     </del>	···	<del> </del>				<del></del>	
		<del></del>	<del>  -</del>					
COMMENTO								
COMMENTS:		-		<u> </u>	·	· · · · · · · · · · · · · · · · · · ·	<del>_</del>	<del></del>
			<del></del>					
Add/Replaced	Lock:	Add	I/Replaced Plu	g:		Add/Replaced (	Bolt:	



Client/Facility#:	Chevron #30	Chevron #307233			Job Number: 385876			
Site Address:	2259 First St	treet		 Eve	nt Date:	5/27/10		– (inclusive)
City:	Livermore, C	A			npler:	<u> </u>		_ (
		<u> </u>						
Well ID	MW- 2	_		Date N	fonitored:	5/27	lio	
Well Diameter	2 in	•		Volume	3/4"= 0.02	2 1"= 0.04	2"= 0.17 3"= 0.3	<del>-</del>
Total Depth	58.64 ft	-		Factor (VF)	4"= 0.66		6"= 1.50 12"= 5.86	
Depth to Water	31.11 ft.		Check if water	column is les	s then 0.50	) ft.		
	27.53	xVF/					Volume: 14. 04	gał.
Depth to Water v	w/ 80% Recharge	(Height of			_			_ 30
·	•					Time Start	ed:	(2400 hrs)
Purge Equipment:			Sampling Equip	oment:		Time Com	pleted:	(2400 hrs)
Disposable Bailer		ı	Disposable Baile	er <u>&gt;</u>	<u>&lt;</u>		roduct:	
Stainless Steel Baile	r	F	Pressure Bailer			Depth to V	vater: on Thickness:	ft
Stack Pump	<u>×</u>		Discrete Bailer				firmation/Description	
Suction Pump			Peristaltic Pump			Skimme-/	Absorbant Sock (circ	lo ono)
Grundfos			QED Bladder Pu			Amt Remo	ved from Skimmer:_	ae one) gai
Peristaltic Pump		(	Other:			Amt Remo	ved from Well:	
QED Bladder Pump	<del></del>					Water Ren Product Tr	noved: ansferred to:	<del></del>
Other:								
Start Time (purge	): <b>672</b> 0			er Conditior		clen	,	
Sample Time/Da	te: <u>0755</u> / 3	5 27/11	Water	Color: C	lack	Odor: Y /	0	
Approx. Flow Rat	te:	gpm.	Sedimo	ent Descript	ion: /	LISHY		
Did well de-water	r?	yes, Time	e:	Volume:		gal. DTW @	Sampling: _3[-	84
Time			0	. <b>.</b>			-	
Time (2400 hr.)	Volume (gal.)	pН	Conductivi (µmhos/cm -		perature / F )	D.O. (mg/L)	ORP (mV)	
0724	વ	7.47	779	_	8.9		<b>(</b> ,	
0729	<u> </u>	7.40	805		9.1			-
0734	14	7.26	827		.4		-	-
								•
0.44501.540	(#) 00117111150		LABORATO	RY INFORM		-		
SAMPLE ID MW- 2.	(#) CONTAINER  x voa vial	REFRIG. YES	PRESERV.		ORATORY ICASTER	TPH-GRO(8015	ANALYSES	
19194-	2 x 500ml ambers	YES	NP.			TPH-DRO w/sgc		
			<del>                                     </del>		TONOTER	· · · · · · · · · · · · · · · · · · ·	(0010)	
		•					-	
		<del></del>	<del></del>					
<del> </del>			<del>                                     </del>					
			†	<del></del>		- w		
COMMENTS:						·		
-						· · ·	· ·	
			<del></del>					
Add/Replaced I	ock:	Δdd	/Replaced PI	na.		Add/Penlace	d Rolt:	· · · · · ·



Site Address: City: Well ID Well Diameter Total Depth Depth to Water Depth to Water w Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump Other:	2259 First St Livermore, C MW-3 2 in 59.38 ft. 30.58 ft. 28.40 / 80% Recharge	xVF // (Height of	Check if water colu	) + DTWJ: <b>36.66</b>	02 1"= 0.04 2"= 0.1 66 5"= 1.02 6"= 1.5 0 ft. = Estimated Purge Volume Time Started: Time Completed:	0 12"= 5.80 e: /4.43 gal.
Well ID Well Diameter Total Depth Depth to Water Depth to Water w Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	MW-3 2 in. 59.38 ft. 30.98 ft. 28.40	xVF	Check if water colu  7 = 1.82  Water Column x 0.20  Sampling Equipmen Disposable Bailer	Date Monitored:    3/4"= 0.6     4"= 0.6     x3 case volume =     + DTW];   36.66	2 1"= 0.04 2"= 0.1 66 5"= 1.02 6"= 1.5 0 ft. Estimated Purge Volume Time Started: Time Completed:	7 3"= 0.38 0 12"= 5.80 e: /4.45 gal.
Well Diameter Total Depth Depth to Water Depth to Water w Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	2 in. 59.38 ft. 30.98 ft. 28.40	xVF // (Height of the second s	Check if water colu  7 = 1.82  Water Column x 0.20  Sampling Equipmen Disposable Bailer	me 3/4"= 0.0 tor (VF) 4"= 0.6 mn is less then 0.5	02 1"= 0.04 2"= 0.1 66 5"= 1.02 6"= 1.5 0 ft. = Estimated Purge Volume Time Started: Time Completed:	0 12"= 5.80  9: /4.49 gal.  (2400 hrs.)
Total Depth Depth to Water Depth to Water w  Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	59.38 ft. 30.98 ft. 28.40	xVF // (Height of the second s	Check if water colu  7 = 1.82  Water Column x 0.20  Sampling Equipmen Disposable Bailer	tor (VF) 4"= 0.6 mn is less then 0.5 x3 case volume = ) + DTW]: 36.66	66 5"= 1.02 6"= 1.5  Oft.  Estimated Purge Volume  Time Started:  Time Completed:	0 12"= 5.80  9: /4.49 gal.  (2400 hrs.)
Depth to Water  Depth to Water w  Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	30.98 ft. 28.40	xVF	Check if water colu  7 = 1.82  Water Column x 0.20  Sampling Equipmen Disposable Bailer	tor (VF) 4"= 0.6 mn is less then 0.5 x3 case volume = ) + DTW]: 36.66	66 5"= 1.02 6"= 1.5  Oft.  Estimated Purge Volume  Time Started:  Time Completed:	0 12"= 5.80  9: /4.49 gal.  (2400 hrs.)
Depth to Water water water water water water water water bisposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	30.98 ft. 28.40	xVF XVF (Height of the state of t	7 = 1.82 Water Column x 0.20 Sampling Equipmen Disposable Bailer	x3 case volume : ) + DTW]:	Estimated Purge Volume Time Started: Time Completed:	(2400 hrs
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	/ 80% Recharge	[(Height of 1 S C F	Water Column x 0.20 Sampling Equipmen Disposable Bailer	) + DTWJ: <b>36.66</b>	Time Started:Time Completed:_	(2400 hrs
Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	<u>×</u>	F	Disposable Bailer	t:	Time Completed:	(2400 hr
Stainless Steel Bailer Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	×	F	Disposable Bailer	<b>Y</b>	Depth to Product:	fi
Stack Pump Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	×	F				
Suction Pump Grundfos Peristaltic Pump QED Bladder Pump	<u>×</u>				Depth to Water:	
Grundfos Peristaltic Pump QED Bladder Pump			Discrete Bailer		Hydrocarbon Thick Visual Confirmatio	kness:ft
Peristaltic Pump QED Bladder Pump		F	Peristaltic Pump			
QED Bladder Pump		C	QED Bladder Pump		Skimmer / Absorba	ant Sock (circle one)
•		C	Other:		Amt Removed from	n Skimmer: ga n Well: gal
Other:					Water Removed:_	
					Product Transferre	ed to:
Time (2400 hr.) 1020 1025	Volume (gal.)	pH  7.68  7.43	Conductivity (µmhos/cm - iS)  1183  1206  1237	Temperature (	gal. DTW @ Sampl  D.O. (mg/L)	ORP (mV)
			LABORATORY	NEORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE		ANA	ALYSES
MW-3 6	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(	
7	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc (8015)	
			<del> </del>			
<del></del>		<del></del>				
			<del> </del>	+		·
		·	<del>                                     </del>	<del> </del>	<del> </del>	
		<del>-</del>				
OMMENTS:					I	
	ock:		Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #30	7233		Jo	b Number:	385876	
Site Address:	2259 First St	reet		 Ev	ent Date:	5/27/10	 (inclusive)
City:	Livermore, C	A		—— Sa	mpler:	21)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Well ID	MW- Ч	_		Date	Monitored:	5/27/10	
Well Diameter	2 in	<u>.</u>		Volume	3/4"= 0.02	2 1"= 0.04 2"= 0.1	7 3"= 0.38
Total Depth	58.93 ft.	_		Factor (VF)	4"= 0.66		
Depth to Water	32-26 ft.		Check if water	column is le	ess then 0.50	ft.	
	26.67	xVF	<u> </u>	<b>53</b> x3 c	ase volume =	Estimated Purge Volume	e: 13.60 gal.
Depth to Water	w/ 80% Recharge	[(Height of	Water Column x	0.20) + DTV	7: <u>37.59</u>	_	
						Time Started:	(2400 hrs)
Purge Equipment:			Sampling Equip				(2400 hrs)
Disposable Bailer			Disposable Baile	r	<u>X</u>	Depth to Product: Depth to Water:	
Stainless Steel Baile	·		Pressure Bailer			Hydrocarbon Thic	
Stack Pump	<u> </u>		Discrete Bailer			Visual Confirmation	n/Description:
Suction Pump			Peristaltic Pump			Skimmer / Absorb	ant Sock (circle one)
Grundfos			QED Bladder Pui			Amt Removed from	n Skimmer: gal
Peristaltic Pump			Other:				n Well:gal
QED Bladder Pump						Water Removed:	ed to:
Other:	<del></del>						<u>):</u>
Start Time (purge				er Conditio	, . <del>-</del>	Clarky	
Sample Time/Da	•	7/27/10	Water	Color:	love	Odor: Y / 🐧 🖊	
Approx. Flow Ra		gpm.	Sedime	ent Descrip	tion:	Listo	
Did well de-wate	r? If	yes, Time	ə:	Volume: _		gal. DTW @ Sampl	ing: 34.2/
Time			Conductivit	h, Tar	nperature	D.O.	OPP
(2400 hr.)	Volume (gal.)	pН	(µmhos/cm -		/ F)	(mg/L)	ORP (mV)
1345	5	7.68	1449	_ 、	8.7		. ,
1358	10	7.51	1452		r. y	<del></del>	<del></del>
1354	14	7.35	1538			<del></del>	<del></del>
	·	7.07					<del></del>
			LABORATO			14	
SAMPLEID	(#) CONTAINER	REFRIG.			BORATORY		LYSES
MW- 4	2 x 500ml ambers	YES YES	HCL NP			TPH-GRO(8015)/8TEX( TPH-DRO w/sgc (8015)	
<u> </u>	2 x Jouint ambers	150	INF.		NCASTER	17H-DRO W/sgc (6015)	<del></del>
-	1		†			·	<del></del>
<u></u>		=					
<del> </del>		<del></del>	<del>                                     </del>				
COMMENTS:	·		· · · · · · · · · · · · · · · · · · ·	<u></u>			
		<del></del>					
Add/Replaced L		Add	//Replaced Plu	na:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #30	J/233		Job Number:	385876	
Site Address:	2259 First S	treet		Event Date:	5/27/10	(inclusive)
City:	Livermore, (	CA		Sampler:	3)}	
Well ID	MW- S			Date Monitored:	5/27/13	<del></del>
Well Diameter	<b>2</b> ir	<u>-</u> 1 <u>.</u>	[v <sub>r</sub>	olume 3/4"= 0.0	02 t"= 0.04 2"= 0.17	3"= 0.38
Total Depth	58.88 ft	_ <u>-</u>		octor (VF) 4"= 0.6		12"≃ 5.80
Depth to Water	31.42 A		Check if water co	lumn is less then 0.5	0 ft.	
	27.46	xVFl	7 = 4.66	x3 case volume =	Estimated Purge Volume:	14. 00 gal.
Depth to Water	w/ 80% Recharge	(Height of	Water Column x 0.2	20) + DTW]: <u>36.91</u>		
Domes Envisored					Time Started:	(2400 hrs)
Purge Equipment:			Sampling Equipme	int:	Time Completed: Depth to Product:	(2400 hrs)
Disposable Bailer Stainless Steel Baile			Disposable Bailer	X	Depth to Water:	
Stack Pump	"		Pressure Bailer Discrete Bailer		Hydrocarbon Thicknes	
Suction Pump			Peristaltic Pump		Visual Confirmation/De	escription:
Grundfos			QED Bladder Pump		Skimmer / Absorbant S	Sock (circle one)
Peristaltic Pump		c	Other:		Amt Removed from Sk	immer:gal ell:gal
QED Bladder Pump				—	Water Removed:	
Other:					Product Transferred to	:
Start Time (purge			Weather	Conditions:	cloudy	
Sample Time/Da	ate: <u>//55 / 3</u>	<u> </u>	Water Co	lor: Cloub,	Odor: Y	
Approx. Flow Ra	ite:l	gpm.	Sediment	Description:	LISH	
Did well de-wate	ir? No If	yes, Time	e:Vo	olume:	gal. DTW @ Sampling:	34.52
Time	Volume (gai.)	рH	Conductivity	Temperature		RP
(2400 hr.)	٠, ١	_	(µmhos/cm -	( <b>©</b> / F)	(mg/L) (r	nV)
1/20		7.49	1190	18.4		
1125	- 10	7.32	1222	18,2		·
1129		7.26	1247	18.1		<del></del>
					<del></del>	<del></del>
-	2-16-1			INFORMATION		
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TY		ANALYS	
MW- 5	6 x voa vial 2 x 500ml ambers	YES YES	HCL NP	LANCASTER LANCASTER	TPH-GRO(8015)/BTEX(8260 TPH-DRO w/sgc (8015)	0)
	& X SOOMII ambers	120	INF	LANCASTER	TEH-DRO Wisgo (6015)	
			ļ			
<del></del>			-			
			+	<del>                                     </del>		
			<u> </u>			
COMMENTS:				• •	., .	·
- Juniel III G.			<del></del>	<del>-</del>		
				<u> </u>	<u> </u>	<del></del>
			-			
Add/Replaced i	Lock:	Add	Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #3	07233		Job N	lumber:	385876		
Site Address:	2259 First S	treet		Even	t Date:	5/27	10	— (inclusive)
City:	Livermore,	CA		 Samp	oler:	45	<del>-</del> .	_ (,
	/	<del></del> :		_		11		<del>-</del>
Well ID	MW-6		_	Date Mo	nitored:	5h7 1	3	_
Well Diameter		<u>1.</u>		olume	3/4"= 0.02	2 1"= 0.04	2"= 0.17 3"= 0.3	8
Total Depth	59.01 A		<u> </u>	actor (VF)	4"= 0.66		6"= 1.50 12"= 5.8	0
Depth to Water	31.79 A	_	Check if water co				o Volume: 13.88	
Depth to Water	w/ 80% Recharge						Volume:	gal.
						Time Star		(2400 hrs)
Purge Equipment:			Sampling Equipme			Time Con	pleted:	(2400 hrs)
Disposable Bailer			Disposable Bailer	×		Depth to V	Product:	
Stainless Steel Baile	·		Pressure Bailer				on Thickness:	
Stack Pump	_X		Discrete Bailer				nfirmation/Description	
Suction Pump			Peristaltic Pump			Skimmer	Absorbant Sock (cin	olo one)
Grundfos			QED Bladder Pump			Amt Remo	oved from Skimmer:_	ae one) gal
Peristaltic Pump	<del></del>	(	Other:			Amt Remo	oved from Well:	gal
QED Bladder Pump	·					Water Rer	noved: ransferred to:	<del></del>
Other:						1100000	ansiened to	
Start Time (purge Sample Time/Da Approx. Flow Ra Did well de-water	te: 1520 /	5 27 16 gpm. yes, Time	Water Co Sediment	Conditions plor:	<u>م وال</u> n: /_	Odor: Y /		.81
Time (2400 hr.)	Volume (gal.)	рН	Conductivity (µmhos/cm - µs	Te <u>m</u> pe	rature	D.O. (mg/L)	ORP (mV)	
1450	5	7.82	1434	18	6			
1455	10	7.49	1482	18.				-
1459	14	7.33	1506	18.				-
			· · · · · · · · · · · · · · · · · · ·					•
			LABORATORY	/ INFORMA	TION	· · · · · · · · · · · · · · · · · · ·		·
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TY		RATORY		ANALYSES	
MW- 6	6 x voa vial		HCL	LANC		TPH-GRO(8015	· · · · · · · · · · · · · · · · · · ·	
	2 x 500ml ambers	YES	NP	LANC	ASTER	TPH-DRO w/sgo	c (8015)	
			<u> </u>					
						<del></del>		
<u> </u>		<del></del>	<del> </del>	<del></del>				
<del></del>			+				<u>::</u>	
<u> </u>			<del>                                     </del>				<del></del>	
COMMENTS:								
						· · · · · · · · · · · · · · · · · · ·		
Add/Replaced L	.ock:	Add	/Replaced Plug	:		Add/Replace	d Bolt:	



Client/Facility#:	Chevron #30	0/233		_ Job Number:	385876	
Site Address:	2259 First S	treet		Event Date:	5/27/10	(inclusive)
City:	Livermore, (	CA		– Sampler:	211	(
			·			
Well ID	MW- 7			Date Monitored:	5/27/11	
Well Diameter	<b>2</b> ir	 Դ.	TV-			
Total Depth	32.85 A	<del>-</del>		lume 3/4"= 0.0 ctor (VF) 4"= 0.6		
Depth to Water			—— Check if water coli	umn is less then 0.5	n ff	
	4-24				թ Estimated Purge Volume	2.16
Depth to Water				x3 case volume = 0) + DTW]: 29.45		e:gal
	oo /o r toonang	o [(i icigiil oi	Tracer Column x 0.2	o) · B · v · j. <u> · · · · · ·</u>	<del></del> 1	(0400 h)
Purge Equipment:		;	Sampiing Equipme	n <b>t:</b>	Time Started:	(2400 hrs)
Disposable Bailer			Disposable Bailer	×	Depth to Product:	ft
Stainless Steel Baile		1	Pressure Bailer			ft
Stack Pump		1	Discrete Bailer		Hydrocarbon Thick Visual Confirmation	Kness:ft
Suction Pump		į	Peristaltic Pump			
Grundfos		(	QED Bladder Pump		Skimmer / Absorba	ant Sock (circle one)
Peristaltic Pump		(	Other:		Amt Removed from	n Skimmer: gal n Well: gal
QED Bladder Pump					Water Removed:_	
Other:					Product Transferre	ed to:
		<del></del> _			<u> </u>	
Start Time (purge	e): 1215		Weather (	Conditions:	Cloudy	
	ate: 1255 / S	5/27/10		or: clay-	Odor: Y N	1.14
Approx. Flow Ra		gpm.		Description:	Listr	-1.709
Did well de-wate				•		. 26 //4
Did well de-wate	11 <u>700</u> 11	yes, rime	e: vo	lume:	gal. DTW @ Sampl	ing: <u>27.40</u>
Time	Valuma (mal.)	-LI	Conductivity	Temperature	D.O.	ORP
(2400 hr.)	Volume (gal.)	рH	(µmhos/cm -	· ( <b>②</b> /F)	(mg/L)	(mV)
1219	٠75 <sup>-</sup>	7.67	1556	17.6		
1224	1.5	7.32	15 73	17.2		· · · · · ·
1229	2.25	7.29	1609	17-0		<del> </del>
						<del></del>
0.41451.5.15	T (#) 001/21/11/22			INFORMATION		
SAMPLE ID	(#) CONTAINER  x voa vial	REFRIG.	PRESERV. TYP		<u> </u>	LYSES
MAA-	2 x 500ml ambers	YES YES	HCL_ NP	LANCASTER LANCASTER	TPH-GRO(8015)/BTEX( TPH-DRO w/sgc (8015)	
	E X OOOTH GITBETS	, , , ,	141	DATOASTER	11 11-510 Wage (0013)	27
<del></del>				-		<del></del>
					i	
-,-,-						
<u></u>		<u> </u>				
			<u> </u>			
COMMENTS:						
			·			<del></del>
		•		<del></del>		
A 4 4/D1 1				· <u> </u>		
Add/Replaced	LOCK:	Add	/Replaced Plug:		Add/Replaced Bolt:	



Client/Facility#:	Chevron #30	7233		Job Number:	385876	
Site Address:	2259 First St	reet	<del>,</del>	Event Date:	5/27/10	(inclusive)
City:	Livermore, C	A		Sampler:	<b>3H</b>	()
	2004			<u> </u>		
Well ID		1W-8		Date Monitored:	5/27/10	
Well Diameter	2 in.		Volu			3"= 0.38
Total Depth	39.42 ft.			or (VF) 4"= 0.6		12"= 5.80
Depth to Water	30.78 ft.		Check if water colu			<i>U 11</i> *
Depth to Water	<b>8.64</b> w/ 80% Recharge				Estimated Purge Volume:	7.40 gal.
Dopin to Water	co / reconarge	(trieight or	valer Column x 0.20	+ D144j. <u>34.9 -</u>	Time Started:	(2400 bar)
Purge Equipment:		5	Sampling Equipment		Time Completed:	(2400 hrs) (2400 hrs)
Disposable Bailer			Disposable Bailer	×	Depth to Product:	ft ′
Stainless Steel Baile	r	F	ressure Bailer		Depth to Water: Hydrocarbon Thickn	ft
Stack Pump			Discrete Bailer		Visual Confirmation	ness:ft /Descriptlon:
Suction Pump		F	eristaltic Pump		<u> </u>	
Grundfos			ED Bladder Pump		Skimmer / Absorbar Amt Removed from	nt Sock (circle one) Skimmer: gal
Peristaltic Pump		C	Other:	<del></del>	Amt Removed from	Well:gal
QED Bladder Pump					Water Removed: Product Transferred	to:
Other:	<del></del>					
		<del></del>	<del></del>		0	
Start Time (purge		<del>1</del>	Weather Co	. 1	Ram	
Sample Time/Da	ite: 0555 / 5	137 110	Water Colo	r: clade	_Odor: Y / 🚯	
Approx. Flow Ra		gpm.	Sediment D	escription: / _	Lists	
Did well de-wate	r? <u>////</u> Ify	es, Time	:Vol	ıme:	gal. DTW @ Samplin	ig: 32.//
Time	Volume (gal.)	рН	Conductivity	Temperature	D.O.	ORP
(2400 hr.)		pri	(µmhos/cm - 🚯)	( <b>Ø</b> / F )	(mg/L)	(mV)
0920	. <u>1.5                                    </u>	7.61	1102	18.4		
0425	3.0	7.48	1138	18.5		
0930	4.5	7.40	7166	18.1		<del></del>
				<del></del>		···
			LABORATORY I			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE			YSES
MW- <b>8</b>	2 x 500ml ambers	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8:	260)
	2 x 500mi ampers	YES	NP	LANCASTER	TPH-DRO w/sgc (8015)	
<u> </u>						
<del>  </del>	<del></del>		<del> </del>			
				<del>                                     </del>	-	
COMMENTS:						
						·····
Add/Replaced L	.ock:	Add/	Replaced Plug: _		Add/Replaced Bolt:	



Client/Facility#:	Chevron #30	7233		Job Number:	385876	
Site Address:	2259 First St	reet		Event Date:	5/27/10	(inclusive)
City:	Livermore, C	A		Sampler:	JH	
Well ID	MW- 9	<del></del>		Date Monitored:	5/27/10	
Well Diameter	2 in	<del>-</del>	<u> </u>			
Total Depth	39.64 ft.	-	Votu Fact	me 3/4"= 0.0 or (VF) 4"= 0.6	T 11-01	= 0.17 3"= 0.38 = 1.50 12"= 5.80
Depth to Water	28.96 ft.		ــــــا Check if water colu	mn is less then 0.5	0 ft.	<del></del> _
	10.68	_	7 = 1.81		= Estimated Purge Vo	lume: 5.99 gal.
Depth to Water v	v/ 80% Recharge	(Height of	Water Column x 0.20			
Purge Equipment:		S	Sampling Equipment	Ŀ	Time Started: Time Complet	
Disposable Bailer			Disposable Bailer	×	Depth to Prod	
Stainless Steel Bailer			ressure Bailer		Depth to Water	
Stack Pump		۵	Discrete Bailer		Hydrocarbon Visual Confirm	Thickness:ft nation/Description:
Suction Pump		F	eristaltic Pump			
Grundfos		C	ED Bladder Pump		Skimmer / Abs	sorbant Sock (circle one) I from Skimmer:gal
Peristaltic Pump	<del></del>	C	Other:		Amt Removed	l from Well:gal
QED Bladder Pump					Water Remove Product Trans	ed: ferred to:
Other:						_
Start Time (purge Sample Time/Dat		5 27/10	Weather Colo	onditions:	Clarke	
Approx. Flow Rat		gpm.	Sediment D	Description: $\prime$ _	Listo	
Did well de-water	? <u>No</u> If	yes, Time	: Vol	ume:	gal. DTW @ Sa	mpling: <u>31.00</u>
Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature	D.O. (mg/L)	ORP (mV)
1541	2	7.61	1388	16-4	` • ,	,,
1547	<del></del>	7.38	1428	18.3		
1552	5.5	7.26	1451	18.1		<del></del>
			LABORATORY I			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE			ANALYSES
MIVV-	2 x 500mi ambers	YES YES	HCL NP	LANCASTER LANCASTER	TPH-GRO(8015)/BT	
	Z X OOOM UMBOID	120	<del>                                     </del>	BANCASTER	II II-BITO Misgo (of	510)
						·
			<del> </del>			
<del> </del>		· · · · · · · · · · · · · · · · · · ·	<del> </del>	<del> </del>	137	
			<del></del>	<del></del>		
COMMENTS:			<del></del>		<u> </u>	

# Chevron California Region Analysis Request/Chain of Custody

English SS#307233-OML G-R#385876 Global /D#T0600196822						I make I		$\dashv$	14	si fo		100				ested			] GP# 1196681		
Pacifity #: 2259 FIRST STREET. LIVERMORE, CA Site Address: IR Chevron PM: U-R, Inc., 6747 Sterral Court, Suite J. Dustin, CA 94568					1	Antrix			H	H	Cleans		100		non c	Codes	1	Ŧ	Preserv H = HCl N = HNO <sub>3</sub> S = H <sub>2</sub> SO <sub>4</sub>	10.00	iosulfate OH
Consultant/Office:  Deanna L. Flarding (Geanna@grinc.com)  Consultant Pri. Mgr.:  Consultant Phone # 925-551-7555  Fax # 925-551-7899			14	ed to		O Nebble		umber of Container	□ E 6200 (Z) 6021 □	MOD GRO	MOD DRO (1) Silica Gel			Method	Double Method				J value repor	west deta 1260 com referration est hit by	ection lim pounds 1 8260
Sample Identification	Date Collected	Time Collected	Compo		Soil	Water	0 8	N (sto)	BTEX+4	TPH 8015	TPH 8015	280 km	8	Total Less	Dissolved		* X		☐ Run coy's on		hest list
OA MI	c   27   16	THE WALL	1			1	. :	2	X	×	-	ä.	154						Comments /	Remark	
MW-8 MU-Z	4 4 4 4	USSE	7	<b>成</b> 。	-	٨	***	ğΙ	겜	×	٨	13.5	13.	-	_				Ob-09-10  Jill  Please amend  the CofC Mw- is mw-8 am		
Mu.	STATE TYSKIN	1055	X	14		14		श्ल	X	$\stackrel{\times}{\sim}$	×	2	+	+	-						
mw. 1	4 21 191	1415	+		A PER			ž+	1	X	X	214	-	+	-			ar i			
MU-F	1 - 1	1155	K	1	-	Č	^ -	<del>?  </del>	$\tilde{}$	ধ	Š	-	+	+	-	-	-				
mu-6	7 1 1 2	1500	Ü		100	۲	33.	ĉ.	Č	C	C		1	+	+		+	-			
MW-7	14 HOW 18	1350	V	19		Û	8	ĕ	Ŝ	ĊΙ	٩		+	+	9 1	1	+	+			
mw-1 m4-8	Get 1 5 2 2 4 1	0855	X			×		8	Z	V	۲		1	+	$\vdash$	11		-			
mw-9	+	1617	Y			Y		6	$\nabla$	X	V	П	7	7			1	+	Switch	ed i	VIIA
	11-11 1 7 1 df				1	9.	Å.	44	4				$\Box$	T					1 Girla		* 1
		100	*				4	1			1	- 4				П			That		
			100				1	- ·	10			1		$\perp$						cha	14
Turnaround Time Requested (TAT) (please cl STD. TAT 72 hour 48 hou		Reilnqu	-	_		4	2	_	_			bete be le	d	945	14	wed by	4.1	yes	28,	Date 1AYIS	Time 9845
24 hour 4 day 5 day Relinquished bys					Toring the second				8 1	919 30		Date T		ne	Received by:			•	4 1 1 - 1	Date	Time
Data Package Options (please circle if required)  IC Summary Type 1 - Full EDF/EDD Relinquished by: Type VI (Raw Data) [] Coelt Deliverable not needed  WP (RWQCB)  Relinquished by: UPS Fo					27.02.5					Oate		Time		Received by:				#3 5 74	Date	Time	
					omm dEx	(10 mm) (10 mm) - 10 mm (10 mm) (10 m							_		Rece	ived by	r.		*	Date	Time
				_		Receipt C <sup>4</sup>								-				4			

Lancaster

# Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories		P	252	.81	Ø-	96/ oct. #:	10	90	4	_	For La	7		120		3	Group #:	129		
COMPORTING OLD COMPORTED OLD C						_	4		_		nalyee				1		Gp#1196680			
Facility #: SS#307233-OML G-R#385876 Global ID#T0600196622					detįb	•	h	111		-	12500	quie	ņΟ	dee			Preservative Codes			
Site Address: 2259 FIRST STREET, LIVERMORE, CA							۲	44	-	Н		+	+		Н	-		Thiosulf	iste	
Chewron PM. Lead Consultant CRAHK					1	П		1	8			Н	l					NaOH Other	- 1	
Consultant/Office: CA 94568					3 20	П			1					- 1			☐ J value reporting n		ᅱ	
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)					O Potable		Containers		8							-	Must meet lowest possible for 8280 c	detection	limite	
Consultant Phone #25-551-7555 Fax #925-551-7899					00						2 20	1	Í			1	8021 MTBE Confirm	•	" ]	
Sampler: Ju Heen							5 8		000		3 3	3	1	- 3			Confirm highest hi			
						₹		TPH BOTS MOD	PH 8015 MOD		8	1				- 1	Confirm all hits by	-		
Sample Identification Collected Collected C				-	-			į	夏	000	8	1 }				- 1	Runoxg/s on	Nghest i	la I	
Sample Identification	Collected	Collected		3	3	8		-	E	8		. 2					Run axy's an	all hits		
M4-1		0955	X	Н	₹	Hi	_	₩		$\vdash$	-	$\vdash$	-	_			Comments / Remi	rics		
Mn-5		0755			*	1	_	X	Ø	$\vdash$	-	╁	-		$\vdash$	+	1		- 1	
mu-3		1055	X.	H	7	1	Ħ	₩	O	Н	+	╁	H	-	$\vdash$	+	-		- 1	
mw-4		1415	X	$\Box$	Y	1	1	衣	Ż			1	1		-	+	1		- 1	
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Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17805-2425 (717) 856-2300 Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

4804.01 (tors) Rev. 10/12/08



### Analysis Report

2425 New Holland Plins, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2500 Pag: 717-656-2661 • www.lancasterlebs.com

RECEIVED

ANALYTICAL RESULTS

JUN 0 9 2010

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425 GETTER-RYAN INC.

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

June 09, 2010

Project: 307233

Submittal Date: 05/29/2010 Group Number: 1196680 PO Number: 0015060774 Release Number: ROBB State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LLI) #
QA-T-100527 NA Water	5993826
MW-8-W-100527 Grab Water	5993827
MW-2-W-100527 Grab Water	5993828
MW-3-W-100527 Grab Water	5993829
MW-4-W-100527 Grab Water	5993830
MW-5-W-100527 Grab Water	5993831
MW-6-W-100527 Grab Water	5993832
MW-7-W-100527 Grab Water	5993833
MW-1-W-100527 Grab Water	5993834
MW-9-W-100527 Grab Water	5993835

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: Cheryl Hansen



### Analysis Report

2425 New Holland Piles, PO Box 12425, Lancester, PA 17605-2425 -717-656-2500 Fex: 717-656-2661 - www.lancesterlabs.com

**REVISED** 

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

Respectfully Submitted,

Destro a Starks

Beatrice A. Stauffer



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Page 1 of 1 REVISED

Sample Description: QA-T-100527 NA Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 QA

LLI Group # 1196680 Account # 10904

LLI Sample # WW 5993826

Project Name: 307233

Collected: 05/27/2010

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Submitted: 05/29/2010 10:00 Reported: 06/09/2010 14:33

Discard: 07/10/2010

#### **FSLOA**

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 Vol	latiles	SW-846	8015B	ug/l	ug/1	
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.

CAT	Analysis Name	Nethod	Trial#	Betch#	Analysis	Analyst	Dilution
No.					Date and Time	_	<b>Factor</b>
10943	BTEX 8260B Water	SW-846 8260B	1	2101533AA	06/03/2010 01:00	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	2101533AA	06/03/2010 01:00	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 01:12	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153 <b>A</b> 53 <b>A</b>	06/03/2010 01:12	Marie D John	1



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Sample Description: MW-8-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-8

REVISED LLI Sample # WW 5993827

LLI Group # 1196680 Account # 10904

Project Name: 307233

Collected: 05/27/2010 09:55

by JH

Chevron

. . . . . .

Submitted: 05/29/2010 10:00

Reported: 06/09/2010 14:33 Discard: 07/10/2010 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

#### FSLM1

CAT No.	Analysis Name		CAS Number	As Raceived Result	As Received Method Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
10943	Benzene		71-43-2	36	0.5	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1
10943	Toluene		108-88-3	3	0.5	1
10943	Xylene (Total)		1330-20-7	2	0.5	1
GC Vol	latiles	SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	3,100	50	1
GC Ext	ractable TPH	SW-846	8015B	ug/l	ug/l	
06610	TPH-DRO CA C10-C28	√/ Si Gel	n.a.	750	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.

ĊAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 01:2	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 01:29	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 04:03	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 04:03	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	101520016A	06/02/2010 17:0	Glorines Suarez- Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	101520016A	06/01/2010 14:4	Timothy J Attenberger	1



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Sample Description: MW-2-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-2

LLI Sample # WW 5993828 LLI Group # 1196680

Account # 10904

Project Name: 307233

Collected: 05/27/2010 07:55

by JH

Chevron

Submitted: 05/29/2010 10:00

Reported: 06/09/2010 14:33

Discard: 07/10/2010

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/1	
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 Vol	atiles	SW-846	8015B	ug/l	ug/1	
01728	TPH-GRO N. CA water	C6-C12	n.a.	N.D.	50	1
GC Ext	ractable TPH	SW-846	8015B	u <b>g</b> /1	ug/l	
06610	TPH-DRO CA C10-C28	∉/ 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.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Fector
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 01:51	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 01:51	Plorida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 04:27	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 04:27	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 17:23	Glorines Suarez-	1
	Gel					Rivera	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J	1
	(Waters)					Attenberger	



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Page 1 of 1 **REVISED** 

Sample Description: MW-3-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-3

LLI Sample # WW 5993829 LLI Group # 1196680

Account # 10904

Project Name: 307233

Collected: 05/27/2010 10:55 by JH

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 05/29/2010 10:00

Reported: 06/09/2010 14:33

San Ramon CA 94583

Discard:

07/10/2010

#### 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	2	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	0.9	0.5	1
GC Vol	latiles	SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	2,100	50	1
GC Ext	ractable TPH Sel	SW-846	8015B	ug/l	ug/1	
06610	TPH-DRO CA C10-C28	w/ Si Gel	n.a.	610	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.

CAT No.	Analysis Hame	Method	Trial#	Batcb#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 02:16	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 02:16	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 04:51	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 04:51	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 17:43	Glorines Suarez-	1
	Ge1					Rivera	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J	1
	(Waters)					Attenberger	



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LLI Sample # WW 5993830 LLI Group # 1196680

Account # 10904

Sample Description: MW-4-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-4

Project Name: 307233

Collected: 05/27/2010 14:15 by JH

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 05/29/2010 10:00 San Ramon CA 94583

Reported: 06/09/2010 14:33

Discard: 07/10/2010

#### 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	1	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	0.7	0.5	1
GC Vol	latiles	SW-846	8015B	ug/1	ug/1	
01728	TPH-GRO N. CA water	C6-C12	n.a.	1,800	50	1
GC Ext	ractable TPH	SW-846	8015B	u <b>g</b> /l	ug/l	
06610	TPH-DRO CA C10-C28	/ Si Gel	n.a.	230	50	1

### General Sample Comments

State of California Lab Certification No. 2501

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

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 06:54	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 06:54	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 05:16	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 05:16	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 18:44	Glorines Suarez-	1
	Gel					Rivera	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J	1
	(Waters)					Attenberger	



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Sample Description: MW-5-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-5

LLI Group # 1196680 Account # 10904

LLI Sample # WW 5993831

Project Name: 307233

Collected: 05/27/2010 11:55

by JH

Chevron

Submitted: 05/29/2010 10:00

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Reported: 06/09/2010 14:33

Discard: 07/10/2010

FSLM5

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Wethod Detection Limit	Dilution Factor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/l	
10943 10943	Benzene Ethylbenzene		71-43-2 100-41-4	2 N.D.	0.5 0.5	1
10943 10943	Toluene Xylene (Total)		108-88-3 1330-20-7	N.D. 1	0.5 0.5	1
GC Vol	atiles	SW-846	8015B	ug/l	ug/1	
01728	TPH-GRO N. CA water	C6-C12	n.a.	420	50	1
GC Ext		SW-846	8015B	ug/1	ug/l	
06610	TPH-DRO CA C10-C28 v	/ Si Gel	n.a.	120	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.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 07:20	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 07:20	Plorida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 05:40	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 05:40	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 19:04	Glorines Suarez-	1
	Ge1					Rivera	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J	1
	(Waters)					Attenberger	



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Page 1 of 1

Sample Description: MW-6-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW+6

REVISED LLI Sample # WW 5993832

LLI Group # 1196680

Account # 10904

Project Name: 307233

Collected: 05/27/2010 15:20

07/10/2010

by JH

Chevron

Submitted: 05/29/2010 10:00

6001 Bollinger Canyon Rd L4310

Reported: 06/09/2010 14:33

San Ramon CA 94583

#### FSLM6

Discard:

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Fector
GC/MS	Volatiles	SW-846	8260B	ug/1	ug/l	
10943	Benzene		71-43-2	4	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	1	0.5	1
GC Vol	latiles	SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	3,700	250	5
GC Ext	ractable TPH	SW-846	8015B	ug/l	ug/l	
06610	TPH-DRO CA C10-C28	⊮/ Si Gel	n.a.	1,000	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.

CAT	Analysis Name	Method	Trial#	Batch#	Analysie	Analyst	Dilution
No.					Date and Time		Fector
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 07:45	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 07:45	Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 12:34	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 12:34	Marie D John	5
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 19:25	Glorines Suarez-	1
	Gel					Rivera	
02376	Extraction - Fuel/TPH	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J	1
	(Waters)					Attenberger	



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Sample Description: MW-7-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-7

LLI Sample # WW 5993833 LLI Group # 1196680 Account # 10904

Project Name: 307233

Collected: 05/27/2010 12:55

by JH

Chevron

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Submitted: 05/29/2010 10:00 Reported: 06/09/2010 14:33

Discard:

07/10/2010

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#### FSLM7

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit	Dilution Pactor
GC/MS	Volatiles	SW-846	8260B	ug/l	ug/1	
10943	Benzene		71-43-2	1,800	25	50
10943	Ethylbenzene		100-41-4	320	3	5
10943	Toluene		108-88-3	35	3	5
10943	Xylene (Total)		1330-20-7	660	3	5
GC Vol	latiles	SW-846	8015B	ug/l	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	14,000	250	5
GC Ext	ractable TPH	SW-846	8015B	ug/l	ug/l	
06610	TPH-DRO CA C10-C28	⊮/ Si Gel	n.a.	2,800	50	1

### General Sample Comments

State of California Lab Certification No. 2501

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

CAT No.	Analysis Name	Nethod	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101533AA	06/03/2010 08:10	Plorida A Cimino	5
10943	BTEX 8260B Water	SW-846 8260B	1	2101533AA	06/03/2010 08:36	Florida A Cimino	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101533AA	06/03/2010 08:10	Florida A Cimino	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z101533AA	06/03/2010 08:36	florida A Cimino	50
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 08:54	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 08:54	Marie D John	5
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	101520016A	06/02/2010 19:45	Glorines Suarez- Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	101520016A	06/01/2010 14:45	Timothy J Attenberger	1



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Sample Description: MW-1-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-1

LLI Sample # WW 5993834

LLI Group # 1196680

Account # 10904

Project Name: 307233

Collected: 05/27/2010 08:55

by JH

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 05/29/2010 10:00

Reported: 06/09/2010 14:33

San Ramon CA 94583

Discard: 07/10/2010

### 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	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 Vol	latiles	SW-846	8015B	ug/1	ug/l	
01728	TPH-GRO N. CA water	C6-C12	n.a.	N.D.	50	1
GC Ext	ractable TPH	SW-846	8015B	ug/l	ug/l	
06610	TPH-DRO CA C10-C28 v	/ 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.

CAT No.	Analysis Name	Method	Trial#	Betch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101534AA	06/03/2010 00:	7 Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101534AA	06/03/2010 00:	7 Plorida A Cimino	ī
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 11:	5 Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 11:	5 Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si	SW-846 8015B	1	101520016A	06/02/2010 20:	5 Glorines Suarez-	1
	Gel					Rivera	
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	101520016A	06/01/2010 14:	5 Timothy J Attenberger	1



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Sample Description: MW-9-W-100527 Grab Water

Facility# 307233 Job# 385876 GRD

2259 First St-Livermore T0600196622 MW-9

LLI Sample # WW 5993835

LLI Group # 1196680 Account # 10904

Project Name: 307233

Collected: 05/27/2010 16:15

by JH

Chevron

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

Submitted: 05/29/2010 10:00

Reported: 06/09/2010 14:33

Discard: 07/10/2010

#### 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 (Tota1)		1330-20-7	N.D.	0.5	1
GC Vol	atiles	SW-846	8015B	ug/l	ug/1	
01728	TPH-GRO N. CA water	C6-C12	n.a.	N.D.	50	1
GC Ext	ractable TPH	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.

CAT No.	Analysis Name	Nethod	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z101534AA	06/03/2010 01	:12 Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z101534AA	06/03/2010 01	:12 Florida A Cimino	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10153A53A	06/03/2010 06	:53 Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10153A53A	06/03/2010 06	:53 Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	101520016A	06/02/2010 20	:25 Glorines Suarez- Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	101520016A	06/01/2010 14	:45 Timothy J Attenberger	1



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## Quality Control Summary

Client Name: Chevron

on Group Number: 1196680

Reported: 06/09/10 at 02:33 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 <u>Result</u>	Blank MDL	Report Units	LCS %REC	LCSD AREC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Z101533AA	Sample nur	mber(s): 59	93826-5993	833				
Benzene	N.D.	0.5	ug/l	91		79-120		
Ethylbenzene	N.D.	0.5	ug/l	96		79-120		
Toluene	N.D.	0.5	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		80-120		
Batch number: Z101534AA	Sample num	mber(s): 59	93834-5993	835				
Benzene	N.D.	0.5	ug/l	91		79-120		
Ethylbenzene	N.D.	0.5	ug/l	96		79-120		
Toluene	N.D.	0.5	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	ug/l	97		80-120		
Batch number: 10153A53A	Sample num	ber(s): 59:	33826-5993	835				
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	100	75-135	9	30
Batch number: 101520016A	Sample num	ber(s): 59	93827-5993	835				
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	ug/1	81	96	52-126	17	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

MS *REC	MSD \rec	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD
Sample	number(s)	: 5993826	-599383	3 UNSPE	C: P993588			
99	90	80-126	9	30				
100	90	71-134	7					
104	95	80-125	9					
102	92	79-125	7	30				
Sample	number(s)	: 5993834	-599383	5 UNSPR	: P993825			
100	99	80-126	1	30				
102	102	71-134	1	30				
102	102	80-125	ō					
103	103	79-125	ō	30				
	number(s)		-599383	5 UNSPK	: P993820			
	Sample 99 100 104 102 Sample 100 102 102 103	Sample number(s) 99 90 100 90 104 95 102 92  Sample number(s) 100 99 102 102 102 102 103 103  Sample number(s)	Sample number(s): 5993826 99 90 80-126 100 90 71-134 104 95 80-125 102 92 79-125  Sample number(s): 5993834 100 99 80-126 102 102 71-134 102 102 80-125 103 103 79-125  Sample number(s): 5993836	Sample number(s): 5993826-599383 99 90 80-126 9 100 90 71-134 7 104 95 80-125 9 102 92 79-125 7  Sample number(s): 5993834-599383 100 99 80-126 1 102 102 71-134 1 102 102 80-125 0 103 103 79-125 0  Sample number(s): 5993826-599383	Sample number(s): 5993826-5993833 UNSPR 99 90 80-126 9 30 100 90 71-134 7 30 104 95 80-125 9 30 102 92 79-125 7 30  Sample number(s): 5993834-5993835 UNSPR 100 99 80-126 1 30 102 102 71-134 1 30 102 102 80-125 0 30 103 103 79-125 0 30  Sample number(s): 5993826-5993835 UNSPR	Sample number(s): 5993826-5993833 UNSPK: P993588 99 90 80-126 9 30 100 90 71-134 7 30 104 95 80-125 9 30 102 92 79-125 7 30  Sample number(s): 5993834-5993835 UNSPK: P993825 100 99 80-126 1 30 102 102 71-134 1 30 102 102 71-134 1 30 102 102 80-125 0 30 103 103 79-125 0 30  Sample number(s): 5993826-5993835 UNSPK: P993820	Sample number(s): 5993826-5993833 UNSPK: P993588 99 90 80-126 9 30 100 90 71-134 7 30 104 95 80-125 9 30 102 92 79-125 7 30  Sample number(s): 5993834-5993835 UNSPK: P993825 100 99 80-126 1 30 102 102 71-134 1 30 102 102 71-134 1 30 102 102 80-125 0 30 103 103 79-125 0 30  Sample number(s): 5993826-5993835 UNSPK: P993820	AREC AREC Limits RPD MAX Conc Cone RPD  Sample number(s): 5993826-5993833 UNSPK: P993588  99 90 80-126 9 30  100 90 71-134 7 30  104 95 80-125 9 30  102 92 79-125 7 30  Sample number(s): 5993834-5993835 UNSPK: P993825  100 99 80-126 1 30  102 102 71-134 1 30  102 102 80-125 0 30  103 103 79-125 0 30  Sample number(s): 5993826-5993835 UNSPK: P993820

### \*- Outside of specification

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



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## Quality Control Summary

Client Name: Chevron

Group Number: 1196680

Reported: 06/09/10 at 02:33 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: Z101533AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5993826	97	96	100	95
5993827	97	95	100	100
5993828	97	96	99	95
5993829	97	96	100	101
5993830	96	94	100	97
5993831	96	96	100	97
5993832	97	95	100	105
5993833	96	98	100	97
Blank	97	96	100	96
LCS	97	98	100	97
MS	97	97	100	96
MSD	96	98	100	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water Batch number: Z101534AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzen
5993834	96	96	99	96
5993835	95	96	99	96
Blank	96	97	99	96
LCS	95	97	100	97
MS	95	99	100	98
MSD	95	97	100	98
Limits:	80-116	77-113	80-113	78-113

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

Batch number: 10153A53A

Trifluorotoluene-F

5993826	80	
5993827	136*	
5993828	79	
5993829	90	
5993830	85	
5993831	81	
5993832	77	
5993833	130	
5993834	79	
5993835	78	
Blank	80	
LCS	92	
LCSD	92	
MS	91	

63-135 Limits:

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel Batch number: 101520016A

### \*- Outside of specification

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



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## Quality Control Summary

Client Name: Chevron

Group Number: 1196680

Reported: 06/09/10 at 02:33 PM

Surrogate Quality Control

	Orthoterphenyl	parragate gantre, control
5993827	92	
5993828	90	
5993829	93	
5993830	90	
5993831	93	
5993832	91	
5993833	106	
5993834	81	
5993835	`89	
Blank	86	
LCS	104	
LCSD	116	
Limits:	59-131	

\*- Outside of specification

(2) The unspiked result was more than four times the spike added.

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.



## **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	ř	degrees Fahrenheit
meq	milliequivalents	ib.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
mi	milliliter(s)	Ĭ	liter(s)
m3	cubic meter(s)	ul	microliter(s)

- less than The number following the sign is the <u>limit of quantitation</u>, 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.

Increanic Qualifiers

#### U.S. EPA CLP Data Qualifiers:

#### **Organic Qualifiers**

	game		morganic adaminers
Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Ε	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and	W	Post digestion spike out of control limits
	confirmation columns >25%	*	Duplicate analysis not within control limits
U	Compound was not detected	+	Correlation coefficient for MSA < 0.995
X,Y,Z	Defined in case narrative		

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.

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