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November 2, 2015

Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Dear Mr. Detterman:

Attached for your review is the *Semi-Annual Groundwater Monitoring Report, Third Quarter* for former Chevron service station 97127, located at 10 Grant Line Road in Mountain House, California (Case #**:** RO0000185). This report was prepared by Stantec Consulting Services Inc. (Stantec), upon whose assistance and advice I have relied. I declare under penalty of perjury that the information and/or recommendations contained in the attached report are true and correct, to the best of my knowledge.

If you should have any further questions, please do not hesitate to contact me or the Stantec project manager, Brian Westhoff, at (916) 384-0710, or brian.westhoff@stantec.com.

Sincerely,

Carryl MacLeod

Carryl MacLeod
Project Manager

Semi-Annual Groundwater Monitoring Report
Third Quarter 2015

Former Chevron Service Station No. 9-7127
10 Grant Line Road
Mountain House, California 95376
Alameda County Case No. RO0000185

Stantec Project No.:
185750361.710.94044

Submitted to:
Mr. Mark Detterman
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Prepared for:
Ms. Carryl MacLeod
Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, California 94583

Prepared by:
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Rancho Cordova, California 95670

October 29, 2015

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1.0 INTRODUCTION

Chevron Facility No.:	9-7127
Site Address:	10 Grant Line Road, Mountain House, California 95376
Contact:	Ms. Carryl MacLeod Chevron Environmental Management Company (CEMC) 6101 Bollinger Canyon Road San Ramon, California 94583
Consulting Company:	Stantec Consulting Services Inc. – Mr. Brian Westhoff
Stantec Project No.:	185750361.710.94044
Primary Agency / Contact:	Alameda County Environmental Health - Mr. Mark Detterman

Former Chevron Service Station No. 9-7127, the "Site" is currently a vacant parcel (Alameda County assessor parcel number 99B-7700-12-2) located on the east side of Grant Line Road, south of Interstate 580 in Mountain House, California (Figure 1). The site is bordered by Grant Line Road to the west, an Interstate 580 on-ramp to the north, and undeveloped (grazing) land to the east and south. A former fuel-dispensing service station previously operated at the site from 1971 to 1986, which included one 6,000-gallon and two 10,000-gallon fuel underground storage tanks (USTs), one 1,000-gallon used oil UST, one 750-gallon heating oil UST, product line piping , two dispenser islands, and a station building (Figure 2). The USTs and associated piping were removed in April 1991 and the dispenser islands and station building were demolished soon after. The site is currently undeveloped.

A Site Plan is included as Figure 2. The current and historical groundwater monitoring and analytical data for second and third quarter sampling events are summarized in Tables 1 and 2 and presented in Figure 5. Well construction details are presented in Table 3 and current and historical LNAPL data are summarized in Table 5. The groundwater monitoring and sampling data package for both sampling events and bi-monthly LNAPL field data sheets are included as Appendix A. The certified laboratory analytical report and Stantec Lab Validation Form are included as Appendix B.

2.0 SITE INFORMATION

Current phase of project:	Feasibility Testing, Monitoring and Sampling
Frequency of groundwater monitoring and sampling:	Annual (2Q): MW-2, MW-5, MW-7 Quarterly: MW-1, MW-3, MW-4, MW-6, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16
Has SPH historically been found on- Site?: Date last SPH was detected?	Yes (MW-1, MW-10, MW-11, 09/09/15)
Historic range in depth-to-water (DTW) [feet (ft) below top of casing (TOC)], 4Q92 to 3Q15:	9.80 (MW-6) to 36.64 (MW-10)

3.0 MONITORING AND SAMPLING

3.1 WORK PERFORMED

First Quarter 2015 Groundwater Monitoring Report by ARCADIS U.S., Inc. was submitted on May 15, 2015.

Reduction of Light non Aqueous Phase Liquid (LNAPL) Recovery Events Request by ARCADIS U.S., Inc. was submitted on June 15, 2015.

The Second Quarter 2015 (2Q15) groundwater monitoring and sampling event was performed by Gettler-Ryan Inc. (Gettler-Ryan) of Dublin, California on May 21, 2015 and quarterly Bi-Monthly LNAPL Monitoring.

The Second Semi-Annual 2015 (3Q15) groundwater monitoring and sampling event was performed by Gettler-Ryan Inc. (Gettler-Ryan) of Dublin, California on September 9, 2015 and quarterly Bi-Monthly LNAPL Monitoring.

3.2 MONITORING AND SAMPLING PROCEDURES

Gettler-Ryan's standard operating procedures for groundwater sampling are detailed in Appendix A.

3.3 WASTE DISPOSAL

The purge water and decontamination water generated during sampling activities was transported by Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California for proper disposal.

4.0 MONITORING AND SAMPLING DATA AND RESULTS

4.1 GROUNDWATER MONITORING DATA ANALYSIS

SECOND AND THIRD QUARTER MONITORING DATA

Wells monitored:	MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16
Wells sampled:	2Q15 – MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-12, MW-13, MW-14, MW-15, MW-16 3Q15 – MW-3, MW-4, MW-6, MW-8, MW-9, MW-12, MW-13, MW-14, MW-15, MW-16
Monitoring and sampling date:	May 21, 2015 & September 9, 2015
Was measureable SPH observed this quarter?	Yes (See Table 1)
DTW range (ft below TOC):	2Q15 – 14.08 (MW-6) to 32.08 (MW-1) 3Q15 – 14.71 (MW-6) to 33.19 (MW-1)
Average change in groundwater elevation since last event (ft):	0.12 decrease [301.04 (1Q15) – 300.92 (2Q15)] 0.42 decrease [300.92 (2Q15) – 300.50 (3Q15)]
Groundwater flow direction and gradient (ft per ft):	2Q15 –Northeast at 0.0008 3Q15 – North at 0.010; East at 0.011; West at 0.006

4.2 GROUNDWATER SAMPLE ANALYSIS

Gettler-Ryan Inc. (G-R) conducted quarterly groundwater monitoring and sampling on May 21, 2015 and September 9, 2015. The groundwater monitoring program consists of measuring for separate-phase hydrocarbons (SPH), water level elevation monitoring, sample collection, and chemical analysis. Samples collected from MW-2 through MW-9, and MW-12 through MW-16 were analyzed for total petroleum hydrocarbons as gasoline range organics (TPH-GRO) by Environmental Protection Agency (EPA) Method 8015B, and benzene, toluene, ethylbenzene, and total xylenes (collectively "BTEX") and methyl tert-butyl ether (MTBE) by EPA Method 8260B.

4.3 QUALITY ASSURANCE/ QUALITY CONTROL

Analytical data was quality assured and quality controlled using the Stantec Lab Validation Forms.

Method Detection Limits (MDL) were raised above the standard for monitoring wells MW-9, MW-14 and MW-15. No other issues were noted by the laboratory during sample analysis that would have an adverse effect on the quality of the data.

5.0 DISCUSSION AND RECOMMENDATION

5.1 DISCUSSION

5.1.1 Groundwater Sampling Results – Second Quarter

SPH was observed in monitoring wells MW-1, MW-3, MW-10 and MW-11 during the second quarter event. Petroleum hydrocarbon constituents were detected above their respective laboratory method reporting limit (MRL) in the groundwater samples collected during the second quarter event for MW-4, MW-6, MW-9 and MW-12 through MW-15.

2Q15 MONITORING AND SAMPLING DATA

Constituent	Frequency of Detection Above the MRL	Range of Detected Concentrations [micrograms per liter (µg/L)]	California Primary Maximum Contaminant Level (µg/L)	Frequency of Exceedances
TPH-GRO	6 : 12	230 – 39,000	--	6 : 6
Benzene	6 : 12	32 – 13,000	1	6 : 6
Toluene	5 : 12	0.8 – 1,100	150	3 : 5
Ethylbenzene	5 : 12	0.6 - 750	300	1 : 5
Total Xylenes	5 : 12	2 – 1,600	1,750	0 : 5
MTBE	4 : 12	0.5 - 1	13	0 : 5

5.1.2 Hydrocarbon Distribution – Second Quarter

Dissolved TPH-GRO Distribution
Laboratory results from groundwater samples collected during second quarter indicate that TPH-GRO was detected above the laboratory MRL in six of the twelve wells sampled at concentrations ranging from 230 µg/L (MW-13) to 39,000 µg/L (MW-15).

Dissolved Benzene Distribution
Laboratory results from groundwater samples collected during second quarter indicate that Benzene was detected above the laboratory MRL in six of the twelve wells sampled at concentrations ranging from 32 µg/L (MW-13) to 13,000 µg/L (MW-15).

Dissolved MTBE Distribution
Laboratory results from groundwater samples collected during second quarter indicate that MTBE was detected above the laboratory MRL in four of the twelve wells sampled at concentrations of 0.5 µg/L (MW-16) and 1 µg/L (MW-6, MW-12 and MW-13).

5.1.3 Groundwater Sampling Results – Third Quarter

SPH was observed in monitoring wells MW-1, MW-10 and MW-11 during the third quarter event. Petroleum hydrocarbon constituents were detected above their respective laboratory method reporting limit (MRL) in the groundwater samples collected during the third quarter event for MW-3, MW-4, MW-6, MW-9 and MW-12 through MW-15.

3Q15 MONITORING AND SAMPLING DATA

Constituent	Frequency of Detection Above the MRL	Range of Detected Concentrations [micrograms per liter (µg/L)]	California Primary Maximum Contaminant Level (µg/L)	Frequency of Exceedances
TPH-GRO	7 : 10	250 – 52,000	--	7 : 7
Benzene	7 : 10	2 – 27,000	1	7 : 7
Toluene	5 : 10	6 - 930	150	3 : 5
Ethylbenzene	4 : 10	100 – 1,500	300	3 : 4
Total Xylenes	5 : 10	4 – 3,800	1,750	1 : 5
MTBE	3 : 10	0.6 – 1	13	0 : 3

5.1.4 Hydrocarbon Distribution – Third Quarter

Dissolved TPH-GRO Distribution
Laboratory results from groundwater samples collected during third quarter indicate that TPH-GRO was detected above the laboratory MRL in seven of the ten wells sampled at concentrations ranging from 250 µg/L (MW-13) to 52,000 µg/L (MW-15).

Dissolved Benzene Distribution
Laboratory results from groundwater samples collected during third quarter indicate that Benzene was detected above the laboratory MRL in seven of the ten wells sampled at concentrations ranging from 2 µg/L (MW-12) to 27,000 µg/L (MW-15).

Dissolved MTBE Distribution
Laboratory results from groundwater samples collected during third quarter indicate that MTBE was detected above the laboratory MRL in three of the ten wells sampled at concentrations of 0.6 µg/L (MW-12) and 1 µg/L (MW-6 and MW-13).

5.1.5 Trends

Monitoring wells MW-1, MW-10 and MW-11 continue to observe SPH on a regular basis during each quarterly event for 2015. The absence of SPH in MW-3 allowed for a successful sampling event after historically reporting SPH on a consistent basis.

TPH-GRO and BTEX concentrations have increased in well MW-9 compared to the previous two sampling events. MTBE concentrations remain at non-detect levels.

TPH-GRO and BTEX concentrations remain stable in well MW-15 compared to historical data. MTBE concentrations also continue to report at non-detect levels.

TPH-GRO, Benzene and MTBE concentrations remain stable in well MW-13. Also, Toluene, Ethylbenzene and Total Xylenes concentrations continue to report at non-detect levels.

TPH-GRO and BTEX concentrations have decreased in well MW-14 compared to the historical high but still remains at 17,000 µg/L for TPH-GRO. Also, MTBE concentrations continue to report below the detection limit.

TPH-GRO, BTEX and MTBE concentrations have decreased in wells MW-4 and MW-12 compared to the previous two sampling events.

TPH-GRO and BTEX concentrations in wells MW-6 and MW-16 continue to report at non-detect levels. MTBE has remained stable when compared to the two previous sampling events.

TPH-GRO, BTEX and MTBE concentrations in wells MW-2, MW-5, MW-7 and MW-8 continue to report below detection limits.

Groundwater concentrations, over time, have generally decreased with historical data for the site.

5.1.6 Plume Stability

Concentrations were observed within the historical ranges and data doesn't suggest changes in the site conceptual model.

5.2 PROJECT UPDATE AND RECOMMENDATIONS

5.2.1 Protocol Changes

Stantec does propose a change to the monitoring and sampling schedule. Monitoring and sampling will be on a semi-annual schedule sampling during first and third quarter for all monitoring wells. Petroleum hydrocarbon constituents, TPH-GRO, BTEX and MTBE will continue to be analyzed by EPA Method 8260B.

5.2.2 Future Work

Gettler-Ryan will continue to perform the next monitoring and sampling event during the first quarter of 2016.

6.0 LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Stantec's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the Site. It was prepared for the exclusive use of Chevron for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Prepared by:

Grace Hill
Staff Specialist

Reviewed by:

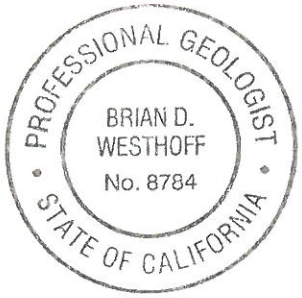
Ruthie Chhoeun
Project Scientist

Information, conclusions, and recommendations provided by Stantec in this document regarding the Site have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Licensed Approver:

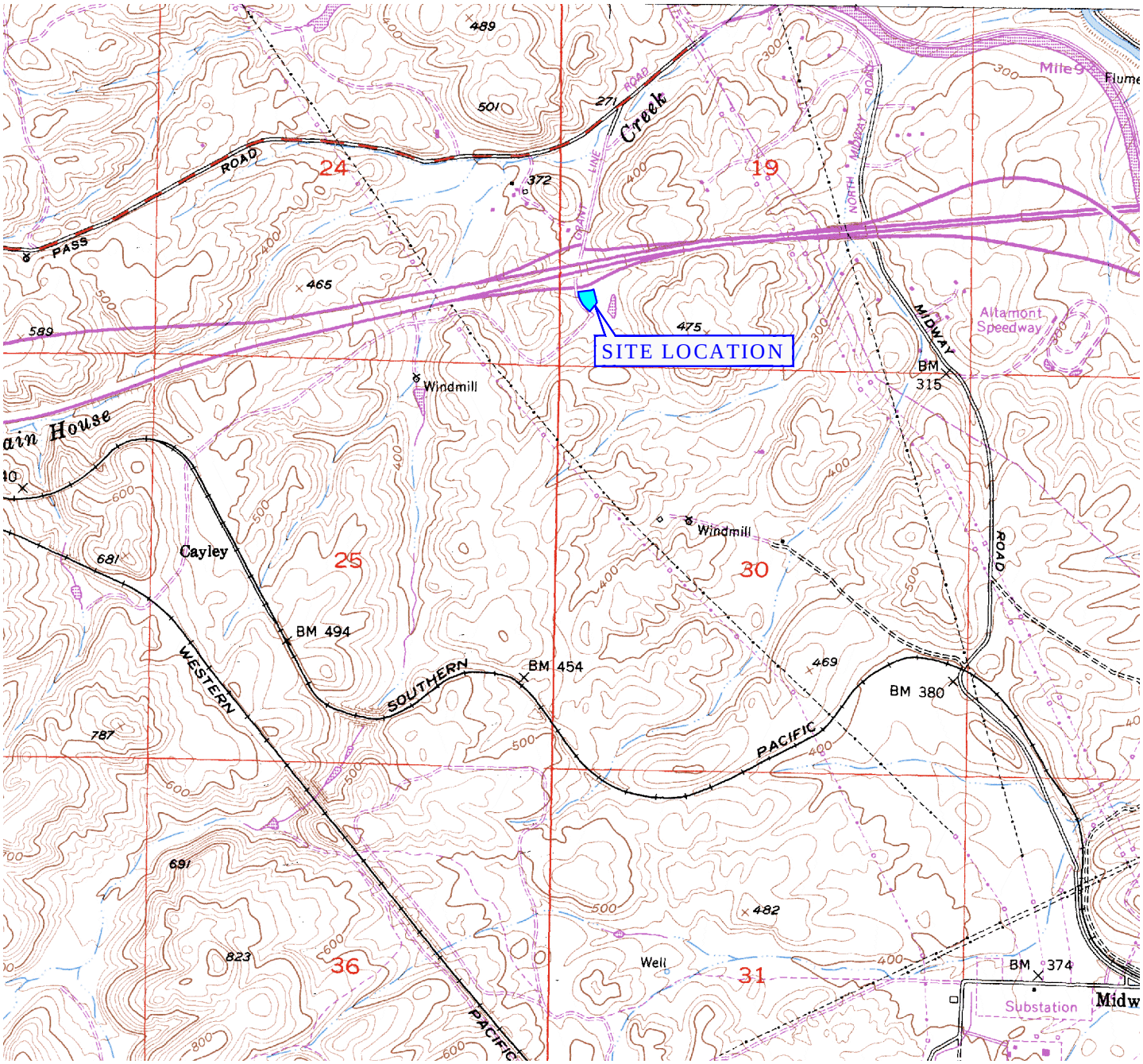
Brian Westhoff, P.G.
Senior Geologist

October 29, 2015



cc: Ms. Carryl MacLeod, Chevron Environmental Management Company
Ms. Vera Fischer, Central Valley Regional Water Quality Control Board
Mr. Ardavan Onsori, DM Livermore, Inc.
Mr. Wyman Hong, Zone 7 Water Agency
Frances & Louis Carnazzo
Ahmad & Shahla Mostofi
Martin & Jeanne Moghadam

Figures



CALIFORNIA

1 1/2 0 1

SCALE IN MILE

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SCALE IN FEET

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7.5 Minute Series, Albers NAD83, Trimmed
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Stantec	FOR: FORMER CHEVRON SERVICE STATION NO. 97127 10 GRANT LINE ROAD, MOUTAIN HOUSE, CALIFORNIA		SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 185750361	DRAWN BY: JY	CHECKED BY: JR	APPROVED BY: BW	DATE: 09/01/15

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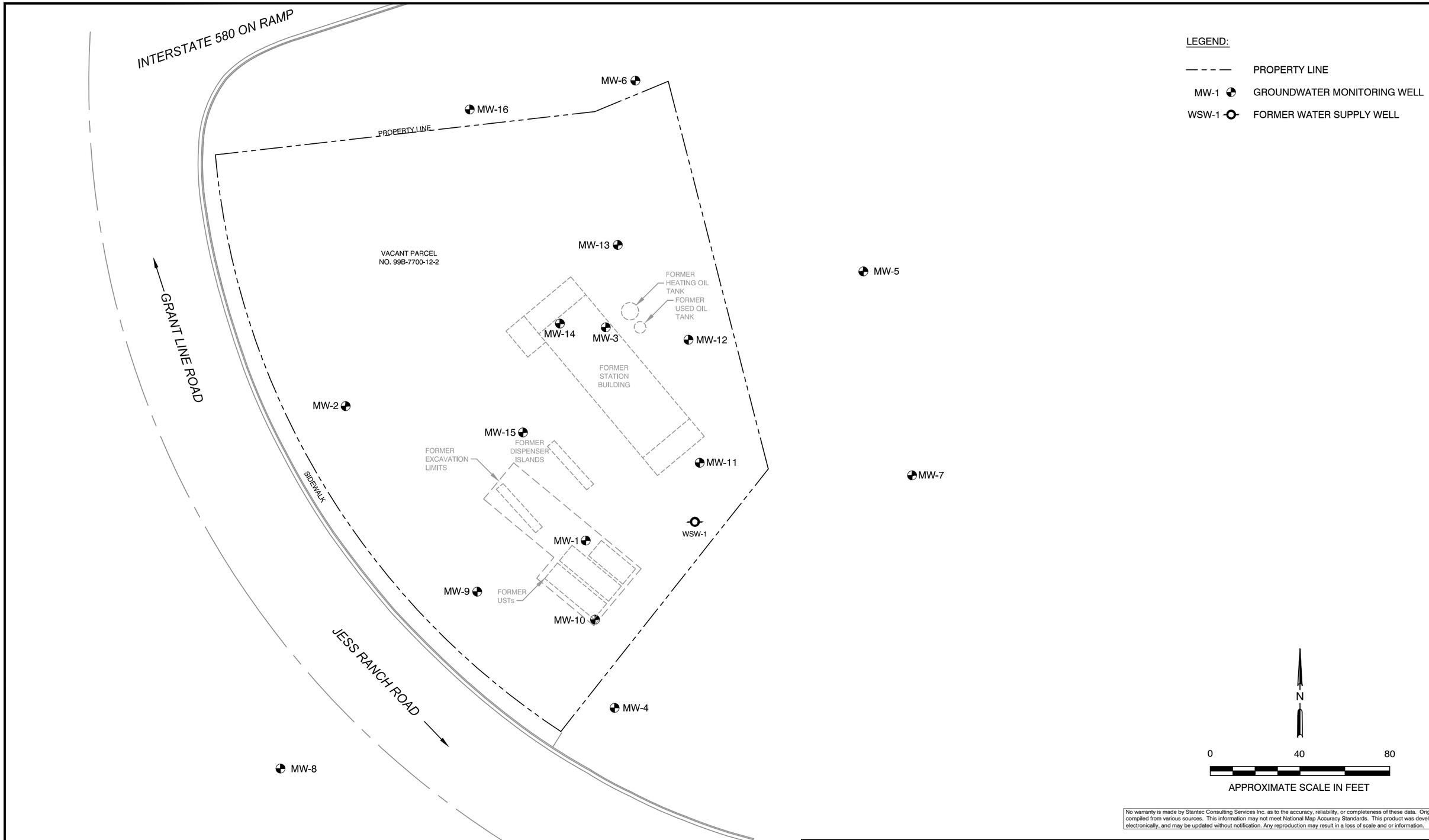


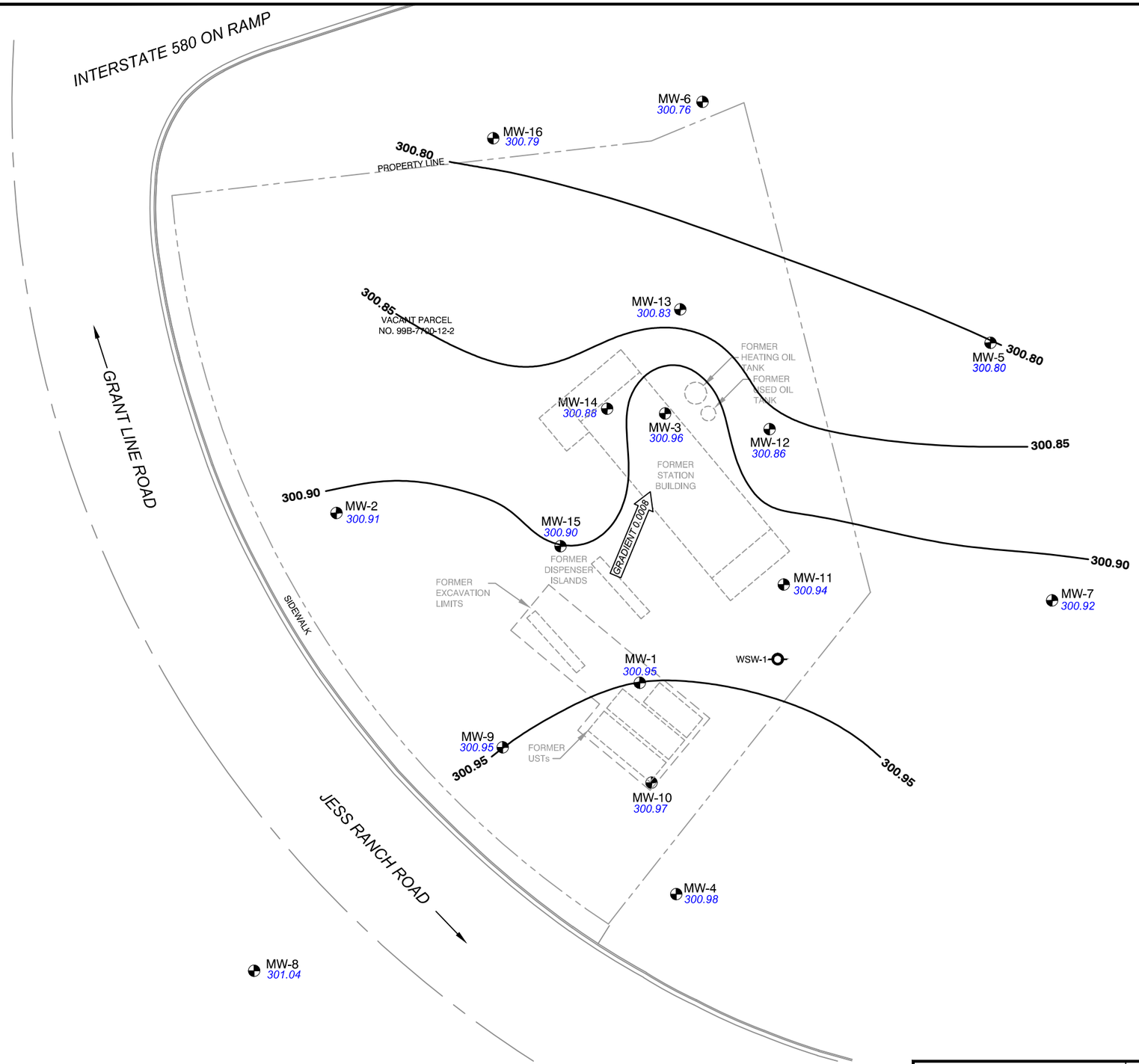
Stantec

FOR:
FORMER CHEVRON SERVICE
STATION NO. 97127
10 GRANT LINE ROAD
MOUNTAIN HOUSE, CALIFORNIA

SITE PLAN

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185750361	JY/STA	GH/RL	BW	10/19/15



LEGEND:

- PROPERTY LINE
- MW-1 — GROUNDWATER MONITORING WELL
- WSW-1 — FORMER WATER SUPPLY WELL
- GRADIENT 0.0008 — APPROXIMATE GROUNDWATER FLOW DIRECTION OF GRADIENT (FOOT/FOOT)
- 300.80 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- 300.92 — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec

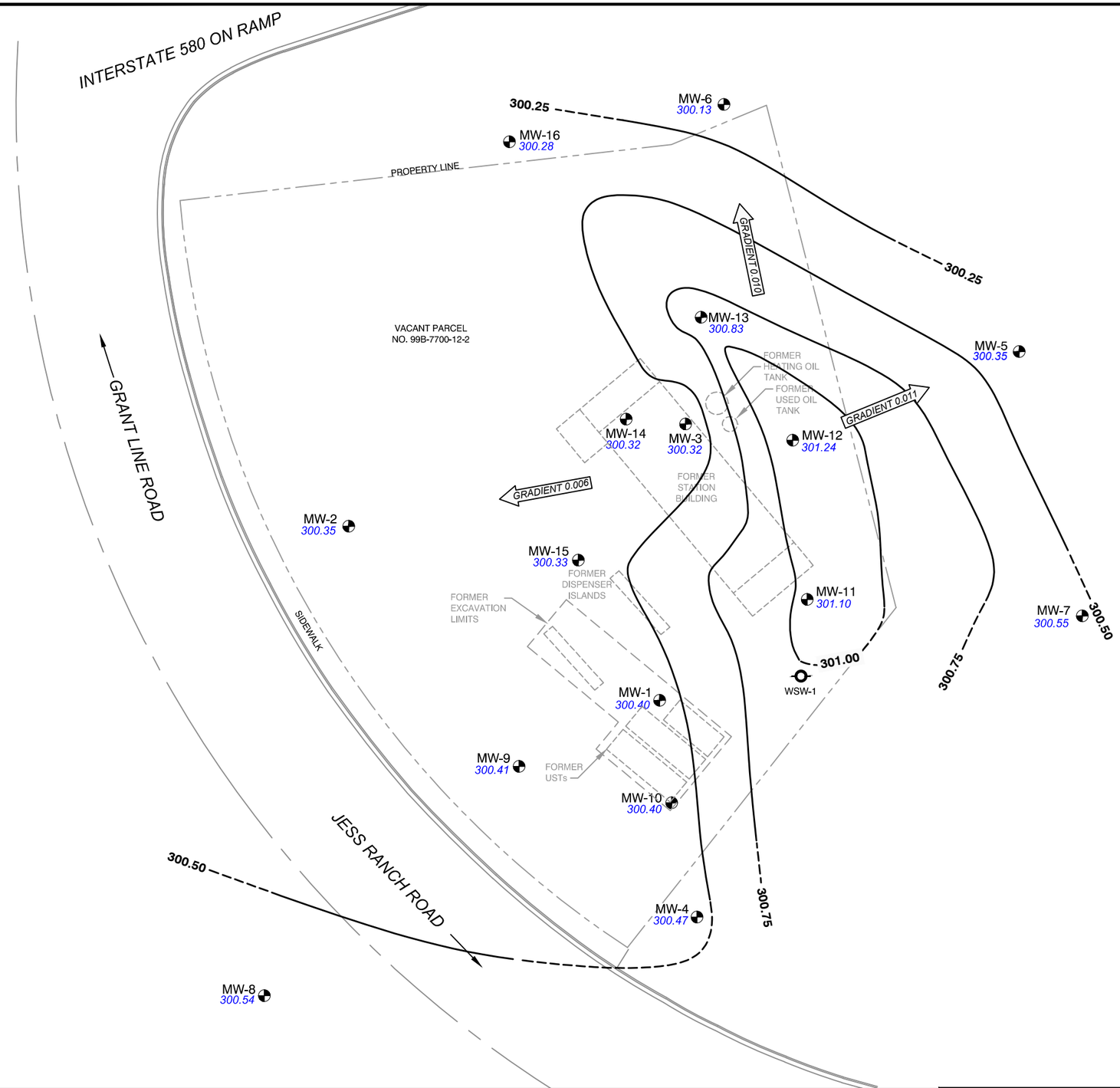
FOR:
FORMER CHEVRON SERVICE STATION NO. 97127
10 GRANT LINE ROAD
MOUNTAIN HOUSE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP MAY 21, 2015

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185750361	JY/STA	GH/RL	BW	10/06/15

FILEPATH:M:\CHEVRON\97127\2015\FIG 3_CH_97127_GW-ELEV 2Q.dwg | Layout Tab: FIG-3 GW-ELEV | Drafter: saguinaldo | Oct 19, 2015 at 13:30



LEGEND:

- PROPERTY LINE
- MW-1 — GROUNDWATER MONITORING WELL
- WSW-1 — FORMER WATER SUPPLY WELL
- GRADIENT 0.011 — APPROXIMATE GROUNDWATER FLOW DIRECTION OF GRADIENT (FOOT/FOOT)
- 301.00 — GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- 300.32 — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec

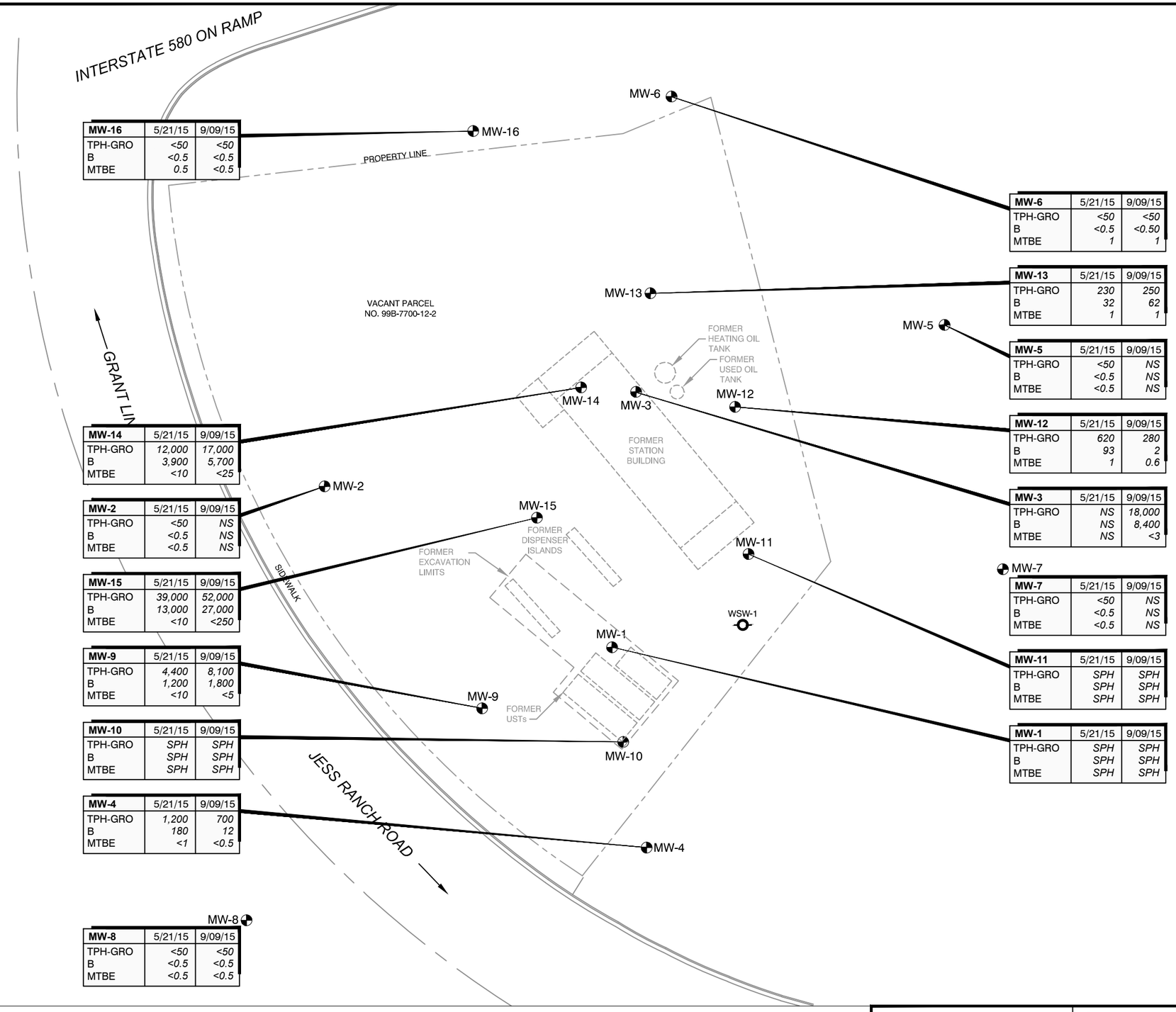
FOR:
FORMER CHEVRON SERVICE
STATION NO. 97127
10 GRANT LINE ROAD
MOUNTAIN HOUSE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 9, 2015

FIGURE: **4**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185750361	JY/STA	GH	BW	10/06/15

FILEPATH:M:\CHEVRON\97127\2015\FIG 4_CH_97127_GW-ELEV 3Q.dwg | Layout Tab: FIG-4 GW-ELEV-2 | Drafter: saguinaldo | Oct 19, 2015 at 10:50



MW-16	5/21/15	9/09/15
TPH-GRO	<50	<50
B	<0.5	<0.5
MTBE	0.5	<0.5

MW-6	5/21/15	9/09/15
TPH-GRO	<50	<50
B	<0.5	<0.50
MTBE	1	1

MW-13	5/21/15	9/09/15
TPH-GRO	230	250
B	32	62
MTBE	1	1

MW-5	5/21/15	9/09/15
TPH-GRO	<50	NS
B	<0.5	NS
MTBE	<0.5	NS

MW-14	5/21/15	9/09/15
TPH-GRO	12,000	17,000
B	3,900	5,700
MTBE	<10	<25

MW-12	5/21/15	9/09/15
TPH-GRO	620	280
B	93	2
MTBE	1	0.6

MW-2	5/21/15	9/09/15
TPH-GRO	<50	NS
B	<0.5	NS
MTBE	<0.5	NS

MW-3	5/21/15	9/09/15
TPH-GRO	NS	18,000
B	NS	8,400
MTBE	NS	<3

MW-15	5/21/15	9/09/15
TPH-GRO	39,000	52,000
B	13,000	27,000
MTBE	<10	<250

MW-7	5/21/15	9/09/15
TPH-GRO	<50	NS
B	<0.5	NS
MTBE	<0.5	NS

MW-9	5/21/15	9/09/15
TPH-GRO	4,400	8,100
B	1,200	1,800
MTBE	<10	<5

MW-11	5/21/15	9/09/15
TPH-GRO	SPH	SPH
B	SPH	SPH
MTBE	SPH	SPH

MW-10	5/21/15	9/09/15
TPH-GRO	SPH	SPH
B	SPH	SPH
MTBE	SPH	SPH

MW-1	5/21/15	9/09/15
TPH-GRO	SPH	SPH
B	SPH	SPH
MTBE	SPH	SPH

MW-4	5/21/15	9/09/15
TPH-GRO	1,200	700
B	180	12
MTBE	<1	<0.5

MW-8	5/21/15	9/09/15
TPH-GRO	<50	<50
B	<0.5	<0.5
MTBE	<0.5	<0.5

LEGEND:

- PROPERTY LINE
- MW-1 GROUNDWATER MONITORING WELL
- WSW-1 FORMER WATER SUPPLY WELL

SAMPLE ID / SAMPLE DATE

MW-2	5/21/15	9/09/15
TPH-GRO	<50	NS
B	<0.5	<0.50
MTBE	<0.5	<0.50

ANALYTES

- < NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT
- NS NOT SAMPLED
- SPH SEPARATE-PHASE HYDROCARBON
- µg/L MICROGRAMS PER KILOGRAM

ANALYTES:

- TPH-GRO TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- B BENZENE
- MTBE METHYL TERT-BUTYL ETHER

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec

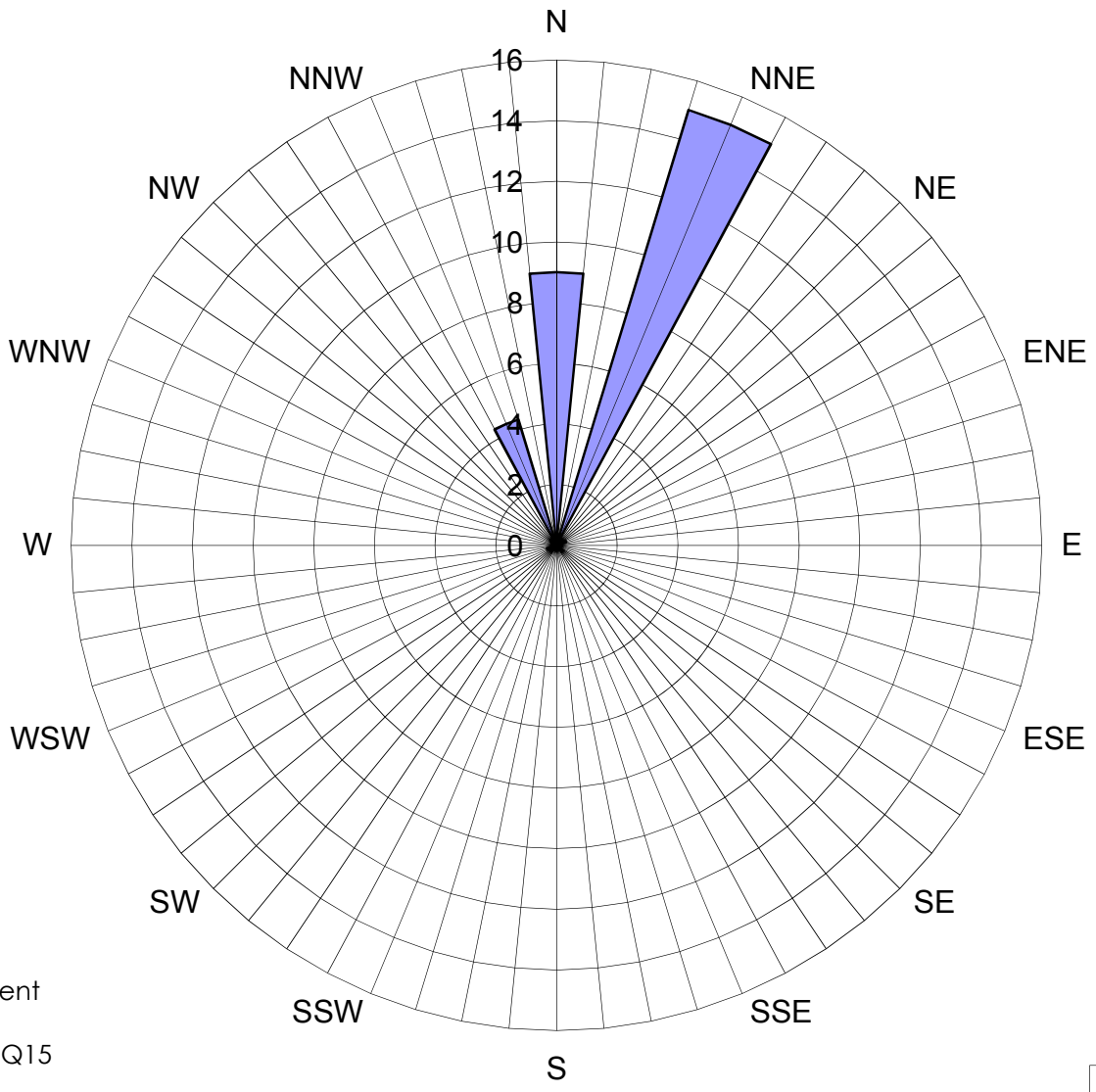
FOR:
FORMER CHEVRON SERVICE
STATION NO. 97127
10 GRANT LINE ROAD
MOUNTAIN HOUSE, CALIFORNIA

GROUNDWATER HYDROCARBON CONCENTRATION MAP MAY 21, 2015 AND SEPTEMBER 9, 2015

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185750361	JY/STA	GH	BW	10/05/15

FIGURE 6
Groundwater Flow Direction Rose Diagram
Former Chevron Service Station No. 97127
10 Grant Line Rd, Mountain House, CA



Note:
Concentric gridlines represent ten monitoring events beginning 1SA05 through 3Q15 monitoring event.

Tables

Table 1
Current Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-1	05/21/15	SPH	331.83	32.08	1.60	300.95	--	--	--	--	--	--	
	09/09/15	SPH		33.19	2.34	300.40	--	--	--	--	--	--	
MW-2	05/21/15		329.89	28.98	0.00	300.91	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	09/09/15	ANN		29.54	0.00	300.35	--	--	--	--	--	--	
MW-3	05/21/15	SPH	331.93	30.99	0.02	300.96	--	--	--	--	--	--	
	09/09/15			31.61	0.00	300.32	18,000	8,400	77	770	830	<3	
MW-4	05/21/15		329.27	28.29	0.00	300.98	1,200	180	15	14	33	<1	
	09/09/15			28.80	0.00	300.47	700	12	6	<0.5	4	<0.5	
MW-5	05/21/15		315.83	15.03	0.00	300.80	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	09/09/15	ANN		15.48	0.00	300.35	--	--	--	--	--	--	
MW-6	05/21/15		314.84	14.08	0.00	300.76	<50	<0.5	<0.5	<0.5	<0.5	1	
	09/09/15			14.71	0.00	300.13	<50	<0.5	<0.5	<0.5	<0.5	1	
MW-7	05/21/15		316.32	15.40	0.00	300.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	09/09/15	ANN		15.77	0.00	300.55	--	--	--	--	--	--	
MW-8	05/21/15		333.02	31.98	0.00	301.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	09/09/15			32.48	0.00	300.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-9	05/21/15		332.46	31.51	0.00	300.95	4,400	1,200	470	10	140	<10	
	09/09/15			32.05	0.00	300.41	8,100	1,800	250	100	570	<5	
MW-10	05/21/15	SPH	331.68	31.68	1.29	300.97	--	--	--	--	--	--	
	09/09/15	SPH		32.72	1.92	300.40	--	--	--	--	--	--	
MW-11	05/21/15	SPH	331.88	30.98	0.05	300.94	--	--	--	--	--	--	
	09/09/15	SPH		31.58	1.06	301.10	--	--	--	--	--	--	
MW-12	05/21/15		332.44	31.58	0.00	300.86	620	93	0.8	<0.5	2	1	
	09/09/15			31.20	0.00	301.24	280	2	<0.5	<0.5	<0.5	0.6	
MW-13	05/21/15		331.51	30.68	0.00	300.83	230	32	<0.5	0.6	<0.5	1	
	09/09/15			30.68	0.00	300.83	250	62	<0.5	<0.5	<0.5	1	
MW-14	05/21/15		332.13	31.25	0.00	300.88	12,000	3,900	660	280	1,000	<10	
	09/09/15			31.81	0.00	300.32	17,000	5,700	240	460	910	<25	
MW-15	05/21/15		332.78	31.88	0.00	300.90	39,000	13,000	1,100	750	1,600	<10	
	09/09/15			32.45	0.00	300.33	52,000	27,000	930	1,500	3,800	<250	
MW-16	05/21/15		318.20	17.41	0.00	300.79	<50	<0.5	<0.5	<0.5	<0.5	0.5	
	09/09/15			17.92	0.00	300.28	<50	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 1
Current Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Notes:

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Total xylenes

MTBE = Methyl tertiary butyl ether

SPH = Separate phase hydrocarbons

TOC = Top of casing (surveyed)

MSL = Mean sea level

µg/L = Microgram per liter

< = Analyte was not detected above laboratory method detection limit

-- = Not measured or analyzed

Calc. GW Elev. = Calculated groundwater elevation = TOC - Depth to Water + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH

Well survey data (TOC elevation) provided by Muir Consulting, Inc., July 2014

ANN = An approved annual sampling program was in place at this time; the well was not scheduled for sampling during this event

SPH = Well not sampled due to presence of separate phase hydrocarbons (SPH)

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-1	12/28/92		329.17	30.78	1.67	300.00	--	--	--	--	--	--	25
MW-1	02/15/94		329.17	29.77	0.00	299.00	99,000	20,000	24,000	2000	9800	--	
MW-1	04/21/94		329.17	29.85	0.00	299.00	--	--	--	--	--	--	
MW-1	06/01/94		329.17	29.92	0.00	299.00	56,000	12,000	15,000	1100	5800	--	
MW-1	06/28/94		329.17	30.15	0.00	299.00	--	--	--	--	--	--	
MW-1	07/19/94		329.17	20.30	0.00	309.00	--	--	--	--	--	--	
MW-1	09/02/94		329.17	30.61	0.50	299.00	--	--	--	--	--	--	
MW-1	09/12/94		329.17	31.66	0.66	298.00	--	--	--	--	--	--	
MW-1	10/12/94		329.17	31.70	1.54	299.00	--	--	--	--	--	--	
MW-1	11/30/94		329.17	29.95	0.77	300.00	--	--	--	--	--	--	
MW-1	03/09/95		329.17	29.54	0.31	300.00	--	--	--	--	--	--	
MW-1	04/18/95		329.17	29.01	0.00	300.00	--	--	--	--	--	--	
MW-1	05/17/95		329.17	29.09	0.00	300.00	130,000	22,000	30,000	2000	10,000	--	
MW-1	06/07/95		329.17	29.24	0.00	300.00	--	--	--	--	--	--	
MW-1	07/21/95		329.17	29.66	0.00	300.00	--	--	--	--	--	--	
MW-1	08/15/95		329.17	29.87	0.00	299.00	41,000	9400	12,000	1400	7700	--	
MW-1	09/07/95		329.17	29.85	0.00	299.00	--	--	--	--	--	--	
MW-1	10/09/95		329.17	30.01	0.00	299.00	--	--	--	--	--	--	
MW-1	11/15/95		329.17	29.88	0.00	299.00	68,000	15,000	9600	1100	5500	<2,000	
MW-1	12/30/95		329.17	29.99	0.00	299.00	--	--	--	--	--	--	
MW-1	01/29/96		329.17	29.32	0.00	300.00	--	--	--	--	--	--	
MW-1	02/27/96		329.17	28.51	0.00	301.00	520	48	71	<0.5	27	28	
MW-1	03/05/96		329.17	28.44	0.00	301.00	--	--	--	--	--	--	
MW-1	04/23/96		329.17	28.20	0.00	301.00	--	--	--	--	--	--	
MW-1	05/30/96		329.17	28.47	0.00	301.00	57,000	15,000	11,000	1100	4900	<250	
MW-1	06/19/96		329.17	28.43	0.00	301.00	--	--	--	--	--	--	
MW-1	07/15/96		329.17	28.66	0.00	301.00	--	--	--	--	--	--	
MW-1	08/27/96		329.17	28.73	0.00	300.00	74,000	11,000	9500	790	3600	<120	
MW-1	09/06/96		329.17	28.85	0.00	300.00	--	--	--	--	--	--	
MW-1	10/28/96		329.17	28.53	0.00	301.00	--	--	--	--	--	--	
MW-1	11/11/96		329.17	28.77	0.00	300.00	69,000	13,000	9100	810	3200	<250	
MW-1	05/06/97		329.17	28.12	0.00	301.00	98,000	23,000	17,000	1100	5200	<500	
MW-1	07/27/97		329.17	28.18	0.00	301.00	--	--	--	--	--	--	
MW-1	11/18/97		329.17	28.73	0.00	300.00	58,000	19,000	9700	1100	4000	<500	
MW-1	05/31/98		329.17	27.03	0.05	302.00	180,000	25,000	25,000	1700	9300	19,000	
MW-1	05/31/98		329.17	27.03	0.05	302.00	--	--	--	--	--	<500	3
MW-1	08/12/98		329.17	27.18	0.00	302.00	--	--	--	--	--	--	2
MW-1	11/23/98		329.17	27.54	0.00	302.00	131,000	14,600	23,700	1,990	13,600	<200	
MW-1	05/11/99		329.17	27.28	0.00	302.00	--	--	--	--	--	--	2,7
MW-1	11/24/99		329.17	28.11	0.20	301	--	--	--	--	--	--	8
MW-1	05/23/00	SPH	329.17	27.61	0.97	302.00	--	--	--	--	--	--	1
MW-1	10/31/00	SPH	329.17	28.35	0.81	301.00	--	--	--	--	--	--	
MW-1	05/18/01	SPH	329.17	28.62	0.90	301.00	--	--	--	--	--	--	
MW-1	11/16/01	SPH	329.17	28.57	0.04	301.00	--	--	--	--	--	--	15

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-1	07/01/02	SPH	329.17	29.36	0.71	300.00	--	--	--	--	--	--	15
MW-1	11/08/02	SPH	329.17	29.82	0.90	300.00	--	--	--	--	--	--	15
MW-1	06/13/03	SPH	329.17	28.83	0.31	301.00	--	--	--	--	--	--	15
MW-1	11/20/03	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	05/18/04	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	11/19/04	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	05/03/05	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	11/28/05	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	05/25/06	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	11/21/06	INA	329.17	--	--	--	--	--	--	--	--	--	
MW-1	05/09/07	SPH	329.17	29.70	0.39	300.00	--	--	--	--	--	--	
MW-1	11/17/07	SPH	329.17	30.83	1.67	300.00	--	--	--	--	--	--	
MW-1	04/30/08	SPH	329.17	31.54	0.83	298.00	--	--	--	--	--	--	
MW-1	11/26/08	SPH	329.17	31.90	1.82	299.00	--	--	--	--	--	--	
MW-1	05/22/09	SPH	329.17	31.95	0.97	298.00	--	--	--	--	--	--	24
MW-1	11/24/09	SPH	329.17	32.06	1.59	298.00	--	--	--	--	--	--	
MW-1	05/25/10	SPH	329.17	30.68	0.88	299.00	--	--	--	--	--	--	
MW-1	11/29/10	SPH	329.17	31.67	2.68	300.00	--	--	--	--	--	--	
MW-1	05/02/11	SPH	329.17	29.63	0.20	300.00	--	--	--	--	--	--	
MW-1	11/23/11	SPH	331.93	31.43	1.53	302.00	--	--	--	--	--	--	
MW-1	02/21/12	SPH	331.93	31.20	1.32	302.00	--	--	--	--	--	--	
MW-1	06/25/12	SPH	331.93	31.85	1.80	300.00	--	--	--	--	--	--	
MW-1	09/22/12	SPH	331.93	32.85	2.42	299.00	--	--	--	--	--	--	
MW-1	12/10/12	SPH	331.93	32.21	1.90	300.00	--	--	--	--	--	--	
MW-1	03/26/13	SPH	331.81	31.30	1.29	301.00	--	--	--	--	--	--	
MW-1	06/13/13	SPH	331.81	32.39	2.03	301.00	--	--	--	--	--	--	
MW-1	09/04/13	SPH	331.81	33.23	2.53	300.00	--	--	--	--	--	--	
MW-1	12/04/13	SPH	331.81	33.05	2.34	301.00	--	--	--	--	--	--	
MW-1	03/06/14	SPH	331.81	32.33	1.85	301.00	--	--	--	--	--	--	
MW-1	06/09/14	SPH	331.81	33.16	2.36	300.00	--	--	--	--	--	--	
MW-1	09/22/14	SPH	331.83	33.73	2.65	300.00	--	--	--	--	--	--	
MW-1	12/19/14	SPH	331.83	32.39	1.62	301.00	--	--	--	--	--	--	
MW-1	03/27/15	SPH	331.83	31.66	1.36	301.00	--	--	--	--	--	--	
MW-1	05/21/15	SPH	331.83	32.08	1.60	300.95	--	--	--	--	--	--	
MW-1	09/09/15	SPH	331.83	33.19	2.34	300.40	--	--	--	--	--	--	
MW-2	12/28/92		327.22	28.59	0.00	299.00	<50	<0.4	<0.3	<0.3	0.6	--	25
MW-2	02/15/94		327.22	27.09	0.00	300.00	83	21	6.0	1.0	3.0	--	
MW-2	04/21/94		327.22	27.81	0.00	299.00	--	--	--	--	--	--	
MW-2	06/01/94		327.22	27.98	0.00	299.00	<50	1.3	0.5	<0.5	<0.5	--	
MW-2	06/28/94		327.22	28.17	0.00	299.00	--	--	--	--	--	--	
MW-2	07/19/94		327.22	28.35	0.00	299.00	--	--	--	--	--	--	
MW-2	09/02/94		327.22	28.52	0.00	299.00	82	13	16	3.6	14	--	
MW-2	09/12/94		327.22	28.56	0.00	299.00	--	--	--	--	--	--	
MW-2	10/12/94		327.22	28.62	0.00	299.00	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-2	11/30/94		327.22	28.38	0.00	299.00	<50	3.6	4.5	1.0	4.5	--	
MW-2	03/09/95		327.22	27.41	0.00	300.00	--	--	--	--	--	--	
MW-2	04/18/95		327.22	26.79	0.00	300.00	--	--	--	--	--	--	
MW-2	05/17/95		327.22	26.95	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-2	06/07/95		327.22	27.06	0.00	300.00	--	--	--	--	--	--	
MW-2	07/21/95		327.22	27.47	0.00	300.00	--	--	--	--	--	--	
MW-2	08/15/95		327.22	27.57	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-2	09/07/95		327.22	28.69	0.00	299.00	--	--	--	--	--	--	
MW-2	10/09/95		327.22	27.85	0.00	299.00	--	--	--	--	--	--	
MW-2	11/15/95		327.22	27.91	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-2	12/30/95		327.22	27.60	0.00	300.00	--	--	--	--	--	--	
MW-2	01/29/96		327.22	27.16	0.00	300.00	--	--	--	--	--	--	
MW-2	02/27/96		327.22	26.25	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-2	03/05/96		327.22	26.70	0.00	301.00	--	--	--	--	--	--	
MW-2	04/23/96		327.22	25.82	0.00	301.00	--	--	--	--	--	--	
MW-2	05/30/96		327.22	26.16	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-2	06/19/96		327.22	26.27	0.00	301.00	--	--	--	--	--	--	
MW-2	07/15/96		327.22	26.46	0.00	301.00	--	--	--	--	--	--	
MW-2	08/27/96		327.22	26.72	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-2	09/06/96		327.22	26.80	0.00	300.00	--	--	--	--	--	--	
MW-2	10/28/96		327.22	26.83	0.00	300.00	--	--	--	--	--	--	
MW-2	11/11/96		327.22	26.72	0.00	301.00	--	--	--	--	--	--	
MW-2	05/06/97		327.22	26.01	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-2	07/27/97		327.22	26.38	0.00	301.00	--	--	--	--	--	--	
MW-2	11/18/97		327.22	26.50	0.00	301.00	--	--	--	--	--	--	
MW-2	05/31/98		327.22	24.47	0.00	303.00	<50	<0.3	<0.3	<0.3	<0.6	<10	
MW-2	11/23/98	ANN	327.22	24.94	0.00	302.00	--	--	--	--	--	--	
MW-2	05/11/99		327.22	24.49	0.00	303.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-2	05/23/00		327.22	25.03	0.00	302.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-2	10/31/00		327.22	25.92	0.00	301.00	--	--	--	--	--	--	
MW-2	05/18/01		327.22	26.08	0.00	301.00	<50	0.52	2.6	<0.50	1.9	<2.5	
MW-2	11/16/01		327.22	26.81	0.00	300.00	--	--	--	--	--	--	
MW-2	07/01/02		327.22	26.97	0.00	300.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-2	11/08/02		327.22	27.30	0.00	300.00	--	--	--	--	--	--	
MW-2	06/13/03		327.22	26.73	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/20/03		327.22	26.48	0.00	301.00	--	--	--	--	--	--	
MW-2	05/18/04		327.22	27.08	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/19/04	ANN	327.22	26.70	0.00	301.00	--	--	--	--	--	--	
MW-2	05/03/05		327.22	27.25	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/28/05	ANN	327.22	27.45	0.00	300.00	--	--	--	--	--	--	
MW-2	05/25/06		327.22	26.60	0.00	301.00	--	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/21/06	ANN	327.22	27.01	0.00	300.00	--	--	--	--	--	--	
MW-2	05/09/07		327.22	27.54	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/17/07	ANN	327.22	27.11	0.00	300.00	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-2	04/30/08		327.22	27.87	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/26/08	ANN	327.22	28.70	0.00	299.00	--	--	--	--	--	--	
MW-2	05/22/09		327.22	28.20	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/24/09	ANN	327.22	28.78	0.00	298.00	--	--	--	--	--	--	
MW-2	05/25/10		327.22	28.07	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/29/10	ANN	327.22	28.70	0.00	299.00	--	--	--	--	--	--	
MW-2	05/02/11		327.22	27.53	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-2	11/23/11	ANN	329.98	28.40	0.00	302.00	--	--	--	--	--	--	
MW-2	02/21/12	ANN	329.98	28.28	0.00	302.00	--	--	--	--	--	--	
MW-2	06/25/12		329.98	28.60	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-2	09/22/12		329.98	29.15	0.00	301.00	--	--	--	--	--	--	
MW-2	12/10/12		329.98	28.79	0.00	301.00	--	--	--	--	--	--	
MW-2	03/26/13		329.88	28.45	0.00	301.00	--	--	--	--	--	--	
MW-2	06/13/13		329.88	28.89	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-2	09/04/13		329.88	29.47	0.00	300.00	--	--	--	--	--	--	
MW-2	12/04/13		329.88	29.31	0.00	301.00	--	--	--	--	--	--	
MW-2	03/06/14		329.88	29.00	0.00	301.00	--	--	--	--	--	--	
MW-2	06/09/14		329.88	29.42	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-2	09/22/14		329.89	29.80	0.00	300.00	--	--	--	--	--	--	
MW-2	12/19/14		329.89	29.20	0.00	301.00	--	--	--	--	--	--	
MW-2	03/27/15		329.89	28.75	0.00	301.00	--	--	--	--	--	--	
MW-2	05/21/15		329.89	28.98	0.00	300.91	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-2	09/09/15	ANN	329.89	29.54	0.00	300.35	--	--	--	--	--	--	
MW-3	12/28/92		329.28	30.69	0.00	299.00	19,000	8,900	660	380	720	--	[25]
MW-3	02/15/94		329.28	29.87	0.00	299.00	23,000	11,000	1,700	540	1,000	--	
MW-3	04/21/94		329.28	29.96	0.00	299.00	--	--	--	--	--	--	
MW-3	06/01/94		329.28	30.11	0.00	299.00	27,000	12,000	2600	600	2,200	--	
MW-3	06/28/94		329.28	30.31	0.00	299.00	--	--	--	--	--	--	
MW-3	07/19/94		329.28	30.50	0.00	299.00	--	--	--	--	--	--	
MW-3	09/02/94		329.28	30.61	0.00	299.00	34,000	16,000	4,100	770	3,000	--	
MW-3	09/12/94		329.28	30.65	0.00	299.00	--	--	--	--	--	--	
MW-3	10/12/94		329.28	30.74	0.00	299.00	--	--	--	--	--	--	
MW-3	11/30/94		329.28	30.44	0.00	299.00	33,000	16,000	3,000	740	2,400	--	
MW-3	03/09/95		329.28	29.53	0.00	300.00	--	--	--	--	--	--	
MW-3	04/18/95		329.28	28.97	0.00	300.00	--	--	--	--	--	--	
MW-3	05/17/95		329.28	29.19	0.00	300.00	27,000	10,000	760	490	1,000	--	
MW-3	06/07/95		329.28	29.24	0.00	300.00	--	--	--	--	--	--	
MW-3	07/21/95		329.28	29.70	0.00	300.00	--	--	--	--	--	--	
MW-3	08/15/95		329.28	29.78	0.00	300.00	39,000	13,000	2,900	700	1,700	--	
MW-3	09/07/95		329.28	29.86	0.00	299.00	--	--	--	--	--	--	
MW-3	10/09/95		329.28	30.02	0.00	299.00	--	--	--	--	--	--	
MW-3	11/15/95		329.28	30.06	0.00	299.00	21,000	8000	2,900	430	1,500	<1,000	
MW-3	12/30/95		329.28	29.75	0.00	300.00	--	--	--	--	--	--	
MW-3	01/29/96		329.28	29.22	0.00	300.00	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-3	02/27/96		329.28	28.43	0.00	301.00	<2,500	5000	500	220	130	710	
MW-3	03/05/96		329.28	28.35	0.00	301.00	--	--	--	--	--	--	
MW-3	04/23/96		329.28	28.10	0.00	301.00	--	--	--	--	--	--	
MW-3	05/30/96		329.28	28.42	0.00	301.00	37,000	13,000	7,200	870	2,900	<120	
MW-3	06/19/96		329.28	28.51	0.00	301.00	--	--	--	--	--	--	
MW-3	07/15/96		329.28	28.63	0.00	301.00	--	--	--	--	--	--	
MW-3	08/27/96		329.28	28.90	0.00	300.00	50,000	9500	6,900	740	2,900	<120	
MW-3	09/06/96		329.28	28.98	0.00	300.00	--	--	--	--	--	--	
MW-3	10/28/96		329.28	28.98	0.00	300.00	--	--	--	--	--	--	
MW-3	11/11/96		329.28	28.84	0.00	300.00	52,000	11,000	5,500	780	3,000	<250	
MW-3	05/06/97		329.28	28.22	0.00	301.00	93,000	23,000	15,000	1,400	6,200	<500	
MW-3	07/27/97		329.28	28.58	0.00	301.00	--	--	--	--	--	--	
MW-3	11/18/97		329.28	28.70	0.00	301.00	81,000	29,000	17,000	1,600	6,700	<500	
MW-3	05/31/98		329.28	26.68	0.00	303.00	78,000	24,000	12,000	1,200	5,800	1,300	
MW-3	05/31/98		329.28	26.68	0.00	303.00	--	--	--	--	--	<500	3
MW-3	08/12/98		329.28	27.03	0.00	302.00	--	--	--	--	--	--	2
MW-3	11/23/98		329.28	27.09	0.00	302.00	97,200	17,900	12,800	1,200	6,950	<100	
MW-3	05/11/99		329.28	26.68	0.00	303.00	51,000	18,000	7,800	670	3,600	<2.5	2
MW-3	05/11/99		329.28	26.68	0.00	303.00	--	--	--	--	--	<100	3
MW-3	11/24/99		329.28	27.45	0.00	302.00	62,800	16,600	8,300	900	4,890	<500	
MW-3	05/23/00		329.28	27.17	0.00	302.00	27,000	14,000	12,000	940	4,600	770	1, 7
MW-3	10/31/00		329.28	28.01	0.00	301.00	110,000	25,700	21,300	1,300	7,320	1,680	1, 10
MW-3	05/18/01		329.28	28.21	0.00	301.00	58,000	19,000	16,000	1,400	7,000	2,300	1, 7, 14
MW-3	11/16/01		329.28	28.87	0.00	300.00	100,000	23,000	16,000	1,400	6,800	<200	1
MW-3	07/01/02		329.28	29.08	0.00	300.00	75,000	16,000	8,800	980	4,000	140	1, 17
MW-3	11/08/02		329.28	29.39	0.00	300.00	45,000	9,800	5,800	590	2,400	<50	
MW-3	06/13/03		329.28	28.82	0.00	300.00	42,000	9,100	4,100	580	1,800	5	19, 20
MW-3	11/20/03		329.28	28.77	0.00	301.00	52,000	12,000	4,500	660	3,200	5	19
MW-3	05/18/04		329.28	29.21	0.00	300.00	57,000	15,000	5,700	840	3,400	9	19
MW-3	11/19/04		329.28	28.86	0.00	300.00	67,000	15,000	4,200	850	3,400	7	19
MW-3	05/03/05		329.28	29.40	0.00	300.00	54,000	13,000	3,400	690	2,600	<10	19
MW-3	11/28/05		329.28	29.56	0.00	300.00	56,000	16,000	1,800	950	3,500	<25	19
MW-3	05/25/06		329.28	28.81	0.00	300.00	38,000	9,400	1,800	680	2,100	<5	19
MW-3	11/21/06		329.28	29.22	0.00	300.00	27,000	10,000	420	650	1,600	<5	19
MW-3	05/09/07		329.28	29.73	0.00	300.00	40,000	9,200	660	590	1,300	<10	19
MW-3	11/17/07		329.28	30.38	0.00	299.00	22,000	9,200	86	610	560	3	19
MW-3	04/30/08		329.28	29.82	0.00	299.00	19,000	8,300	440	510	620	<5	19
MW-3	11/26/08		329.28	30.73	0.00	299.00	20,000	7,500	230	470	640	<10	19
MW-3	05/22/09	SPH	329.28	30.58	0.72	299.00	--	--	--	--	--	--	
MW-3	11/24/09	SPH	329.28	31.16	0.98	299.00	--	--	--	--	--	--	
MW-3	05/25/10	SPH	329.28	30.38	0.25	299.00	--	--	--	--	--	--	
MW-3	11/29/10	SPH	329.28	30.72	0.61	299.00	--	--	--	--	--	--	
MW-3	05/02/11	SPH	329.28	29.68	0.04	300.00	--	--	--	--	--	--	
MW-3	11/23/11	SPH	332.03	30.54	0.04	302.00	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-3	02/21/12	SPH	332.03	30.38	0.01	302.00	--	--	--	--	--	--	
MW-3	06/25/12	SPH	332.03	30.88	0.22	301.00	--	--	--	--	--	--	
MW-3	09/22/12	SPH	332.03	31.58	0.42	300.00	--	--	--	--	--	--	
MW-3	12/10/12	SPH	332.03	31.00	0.06	301.00	--	--	--	--	--	--	
MW-3	03/26/13	SPH	331.91	30.65	0.21	301.00	--	--	--	--	--	--	
MW-3	06/13/13	SPH	331.91	31.54	0.63	301.00	--	--	--	--	--	--	
MW-3	09/04/13	SPH	331.91	32.08	0.73	300.00	--	--	--	--	--	--	
MW-3	12/04/13	SPH	331.91	31.72	0.34	300.00	--	--	--	--	--	--	
MW-3	03/06/14	SPH	331.91	31.23	0.20	301.00	--	--	--	--	--	--	
MW-3	06/09/14	SPH	331.91	32.02	0.56	300.00	--	--	--	--	--	--	
MW-3	09/22/14	SPH	331.93	32.44	0.63	300.00	--	--	--	--	--	--	
MW-3	12/19/14	SPH	331.93	31.33	0.09	301.00	--	--	--	--	--	--	
MW-3	03/27/15		331.93	30.78	0.00	301.00	--	--	--	--	--	--	
MW-3	05/21/15	SPH	331.93	30.99	0.02	300.96	--	--	--	--	--	--	
MW-3	09/09/15		331.93	31.61	0.00	300.32	18,000	8,400	77	770	830	<3	
MW-4	05/21/93		--	--	--	--	<50	12	2.0	<0.5	1.0	--	
MW-4	11/05/93		--	--	--	--	300	56	10	0.8	3.0	--	
MW-4	02/15/94		329.44	29.90	0.00	300.00	260	47	12	2.0	4.0	--	
MW-4	04/21/94		329.44	29.99	0.00	299.00	--	--	--	--	--	--	
MW-4	06/01/94		329.44	30.14	0.00	299.00	860	200	23	2.8	9.6	--	
MW-4	06/28/94		329.44	30.32	0.00	299.00	--	--	--	--	--	--	
MW-4	07/19/94		329.44	30.50	0.00	299.00	--	--	--	--	--	--	
MW-4	09/02/94		329.44	30.62	0.00	299.00	1700	250	27	6.4	15	--	
MW-4	09/12/94		329.44	30.69	0.00	299.00	--	--	--	--	--	--	
MW-4	10/12/94		329.44	30.75	0.00	299.00	--	--	--	--	--	--	
MW-4	11/30/94		329.44	30.51	0.00	299.00	830	350	29	8.1	22	--	
MW-4	03/09/95		329.44	29.61	0.00	300.00	--	--	--	--	--	--	
MW-4	04/18/95		329.44	29.08	0.00	300.00	--	--	--	--	--	--	
MW-4	05/17/95		329.44	29.22	0.00	300.00	470	200	2.2	0.9	2.1	--	
MW-4	06/07/95		329.44	29.27	0.00	300.00	--	--	--	--	--	--	
MW-4	07/21/95		329.44	29.72	0.00	300.00	--	--	--	--	--	--	
MW-4	08/15/95		329.44	29.77	0.00	300.00	100	4.2	0.8	<0.5	<0.5	--	
MW-4	09/07/95		329.44	29.85	0.00	300.00	--	--	--	--	--	--	
MW-4	10/09/95		329.44	30.02	0.00	299.00	--	--	--	--	--	--	
MW-4	11/15/95		329.44	30.05	0.00	299.00	270	94	9.4	0.77	4.3	27	
MW-4	12/30/95		329.44	29.79	0.00	300.00	--	--	--	--	--	--	
MW-4	01/29/96		329.44	29.31	0.00	300.00	--	--	--	--	--	--	
MW-4	02/27/96		329.44	28.58	0.00	301.00	690	100	15	<0.5	2.0	79	
MW-4	03/05/96		329.44	28.55	0.00	301.00	--	--	--	--	--	--	
MW-4	04/23/96		329.44	28.15	0.00	301.00	--	--	--	--	--	--	
MW-4	05/30/96		329.44	28.40	0.00	301.00	700	240	4.0	0.6	3.9	<5.0	
MW-4	06/19/96		329.44	28.47	0.00	301.00	--	--	--	--	--	--	
MW-4	07/15/96		329.44	28.62	0.00	301.00	--	--	--	--	--	--	
MW-4	08/27/96		329.44	28.85	0.00	301.00	<50	11	<0.5	<0.5	<0.5	<5.0	

TABLE 2
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Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-4	09/06/96		329.44	28.92	0.00	301.00	--	--	--	--	--	--	
MW-4	10/28/96		329.44	28.90	0.00	301.00	--	--	--	--	--	--	
MW-4	11/11/96		329.44	28.78	0.00	301.00	240	57	1.4	0.7	1.8	<5.0	
MW-4	05/06/97		329.44	28.11	0.00	301.00	240	74	2.7	<0.5	1.6	<5.0	
MW-4	07/27/97		329.44	28.43	0.00	301.00	--	--	--	--	--	--	
MW-4	11/18/97		329.44	28.58	0.00	301.00	270	230	3.5	1.0	1.6	<2.5	
MW-4	05/31/98		329.44	26.53	0.00	303.00	1000	450	3.4	4.5	<6.0	<20	
MW-4	08/12/98		329.44	26.82	0.00	303.00	--	--	--	--	--	--	2
MW-4	11/23/98		329.44	23.92	0.00	306.00	--	--	--	--	--	--	6
MW-4	12/23/98		329.44	24.19	0.00	305.00	--	--	--	--	--	--	6
MW-4	05/11/99		329.44	23.20	0.00	306.00	470	260	2.6	<0.5	4.3	35	2
MW-4	05/11/99		329.44	23.20	0.00	306.00	--	--	--	--	--	<2.0	3
MW-4	11/24/99		329.44	23.03	0.00	306.00	2,400	562	<5.0	11	10	38	
MW-4	05/23/00		329.44	24.14	0.00	305.00	370	470	1.1	9.7	5.9	84	1, 8, 9
MW-4	10/31/00		329.44	25.02	0.00	304.00	672	224	<5.00	<5.00	<15.0	<25.0	1, 11
MW-4	05/18/01		329.44	25.21	0.00	304.00	230	37	<0.50	1.3	0.95	22	1, 7, 14
MW-4	11/16/01		329.44	25.91	0.00	304.00	290	36	<0.50	<0.50	<1.5	<2.5	16
MW-4	07/01/02		329.44	26.11	0.00	303.00	410	60	<0.50	2.1	<1.5	<2.5	
MW-4	11/08/02		329.44	26.43	0.00	303.00	64	7	<0.50	<0.50	<1.5	<2.5	
MW-4	06/13/03		329.44	26.86	0.00	303.00	79	4	<0.5	<0.5	<0.5	<0.5	19
MW-4	11/20/03		329.44	26.63	0.00	303.00	350	36	<0.5	2	0.7	<0.5	19
MW-4	05/18/04		329.44	26.31	0.00	303.00	160	22	<0.5	2	1	<0.5	19
MW-4	11/19/04		329.44	26.88	0.00	303.00	480	93	2	4	4	<0.5	19
MW-4	05/03/05		329.44	26.48	0.00	303.00	180	40	0.8	1	1	<0.5	19
MW-4	11/28/05		329.44	26.68	0.00	303.00	630	96	2	5	5	<0.5	19
MW-4	05/25/06		329.44	25.85	0.00	304.00	2,400	490	11	33	21	<0.5	19
MW-4	11/21/06		329.44	26.28	0.00	303.00	<50	3	<0.5	<0.5	<0.5	<0.5	19
MW-4	05/09/07		329.44	26.75	0.00	303.00	940	170	5	9	11	<0.5	19
MW-4	11/17/07		329.44	27.41	0.00	302.00	580	150	5	4	7	<0.5	19
MW-4	04/30/08		329.44	27.00	0.00	302.00	73	15	0.6	0.7	0.9	<0.5	19
MW-4	11/26/08		329.44	27.92	0.00	302.00	530	63	6	5	10	<0.5	19
MW-4	05/22/09		329.44	27.49	0.00	302.00	400	56	6	4	16	<0.5	19
MW-4	11/24/09		329.44	28.14	0.00	301.00	1,400	160	18	10	38	<0.5	19
MW-4	05/25/10		329.44	27.40	0.00	302.00	1,100	93	19	15	32	<0.5	19
MW-4	11/29/10		329.44	28.05	0.00	301.00	520	130	9	3	24	<0.5	19
MW-4	05/02/11		329.44	26.88	0.00	303.00	420	59	7	5	16	<0.5	19
MW-4	11/23/11		320.22	27.68	0.00	293.00	1,400	140	32	20	47	<0.5	19
MW-4	02/21/12	SA	320.22	27.62	0.00	293.00	--	--	--	--	--	--	
MW-4	06/25/12		320.22	27.88	0.00	292.00	1,300	170	44	23		<0.5	
MW-4	09/22/12		329.44	28.35	0.00	301.00	--	--	--	--	--	--	
MW-4	12/10/12		329.44	28.11	0.00	301.00	490	<0.5	<0.5	<0.5	25	<0.5	
MW-4	03/26/13		329.25	27.73	0.00	302.00	--	--	--	--	--	--	
MW-4	06/13/13		329.25	28.16	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-4	09/04/13		329.25	28.75	0.00	301.00	--	--	--	--	--	--	

TABLE 2
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Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-4	12/04/13		329.25	28.62	0.00	301.00	1,900	320	19	6	100	<0.5	
MW-4	03/06/14		329.25	28.35	0.00	301.00	--	--	--	--	--	--	
MW-4	06/09/14		329.25	28.69	0.00	301.00	1,500	160	7	5	21	<0.5	
MW-4	09/22/14		329.27	29.04	0.00	300.00	--	--	--	--	--	--	
MW-4	12/19/14		329.27	28.55	0.00	301.00	900	120	13	7	30	<0.5	
MW-4	03/27/15		329.27	28.04	0.00	301.00	--	--	--	--	--	--	
MW-4	05/21/15		329.27	28.29	0.00	300.98	1,200	180	15	14	33	<1	
MW-4	09/09/15		329.27	28.80	0.00	300.47	700	12	6	<0.5	4	<0.5	
MW-5	05/25/93		--	--	--	--	<50	<0.5	<0.5	<0.5	0.9	--	
MW-5	11/05/93		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-5	02/15/94		312.88	25.10	0.00	288.00	<50	<0.5	1.0	<0.5	1.0	--	
MW-5	04/21/94		312.88	13.21	0.00	300.00	--	--	--	--	--	--	
MW-5	06/01/94		312.88	13.39	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-5	06/28/94		312.88	13.73	0.00	299.00	--	--	--	--	--	--	
MW-5	07/19/94		312.88	13.80	0.00	299.00	--	--	--	--	--	--	
MW-5	09/02/94		312.88	14.02	0.00	299.00	<50	3.2	1.8	<0.5	2.1	--	
MW-5	09/12/94		312.88	14.03	0.00	299.00	--	--	--	--	--	--	
MW-5	10/12/94		312.88	14.15	0.00	299.00	--	--	--	--	--	--	
MW-5	11/30/94		312.88	13.91	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-5	03/09/95		312.88	12.97	0.00	300.00	--	--	--	--	--	--	
MW-5	04/18/95		312.88	12.48	0.00	300.00	--	--	--	--	--	--	
MW-5	05/17/95		312.88	12.71	0.00	300.00	150	1.0	<0.5	<0.5	<0.5	--	
MW-5	06/07/95		312.88	12.85	0.00	300.00	--	--	--	--	--	--	
MW-5	07/21/95		312.88	13.30	0.00	300.00	--	--	--	--	--	--	
MW-5	08/15/95		312.88	13.41	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	--	
MW-5	09/07/95		312.88	13.42	0.00	299.00	--	--	--	--	--	--	
MW-5	10/09/95		312.88	13.61	0.00	299.00	--	--	--	--	--	--	
MW-5	11/15/95		312.88	13.63	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-5	12/30/95		312.88	13.30	0.00	300.00	--	--	--	--	--	--	
MW-5	01/29/96		312.88	12.75	0.00	300.00	--	--	--	--	--	--	
MW-5	02/27/96		312.88	12.02	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-5	03/05/96		312.88	11.96	0.00	301.00	--	--	--	--	--	--	
MW-5	04/23/96		312.88	11.77	0.00	301.00	--	--	--	--	--	--	
MW-5	05/30/96		312.88	12.17	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-5	06/19/96		312.88	12.25	0.00	301.00	--	--	--	--	--	--	
MW-5	07/15/96		312.88	12.39	0.00	300.00	--	--	--	--	--	--	
MW-5	08/27/96		312.88	12.65	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-5	09/06/96		312.88	12.68	0.00	300.00	--	--	--	--	--	--	
MW-5	10/28/96		312.88	12.72	0.00	300.00	--	--	--	--	--	--	
MW-5	11/11/96		312.88	12.61	0.00	300.00	--	--	--	--	--	--	
MW-5	05/06/97		312.88	12.06	0.00	301.00	<50	2.2	2.0	<0.5	1.7	<5.0	
MW-5	07/27/97		312.88	12.39	0.00	300.00	--	--	--	--	--	--	
MW-5	11/18/97		312.88	12.45	0.00	300.00	--	--	--	--	--	--	
MW-5	05/31/98		312.88	10.58	0.00	302.00	<50	<0.3	<0.3	<0.3	<0.6	<10	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-5	11/23/98	ANN	312.88	10.92	0.00	302.00	--	--	--	--	--	--	
MW-5	05/11/99		312.88	10.49	0.00	302.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-5	05/23/00		312.88	11.09	0.00	302.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-5	10/31/00		312.88	11.91	0.00	301.00	--	--	--	--	--	--	
MW-5	05/18/01		312.88	12.06	0.00	301.00	<50	0.52	2.0	<0.50	1.0	<2.5	
MW-5	11/16/01		312.88	12.77	0.00	300.00	--	--	--	--	--	--	
MW-5	07/01/02		312.88	12.94	0.00	300.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-5	11/08/02		312.88	13.27	0.00	300.00	--	--	--	--	--	--	
MW-5	06/13/03		312.88	12.85	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/20/03		312.88	12.67	0.00	300.00	--	--	--	--	--	--	
MW-5	05/18/04		312.88	12.90	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/19/04	ANN	312.88	12.83	0.00	300.00	--	--	--	--	--	--	
MW-5	05/03/05		312.88	12.88	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/28/05	ANN	312.88	13.49	0.00	299.00	--	--	--	--	--	--	
MW-5	05/25/06		312.88	12.30	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/21/06	ANN	312.88	12.76	0.00	300.00	--	--	--	--	--	--	
MW-5	05/09/07		312.88	13.12	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/17/07	ANN	312.88	13.65	0.00	299.00	--	--	--	--	--	--	
MW-5	04/30/08		312.88	13.76	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/26/08	ANN	312.88	14.65	0.00	298.00	--	--	--	--	--	--	
MW-5	05/22/09		312.88	13.70	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/24/09	ANN	312.88	14.71	0.00	298.00	--	--	--	--	--	--	
MW-5	05/25/10		312.88	14.28	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/29/10	ANN	312.88	14.57	0.00	298.00	--	--	--	--	--	--	
MW-5	05/02/11		312.88	13.68	0.00	299.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-5	11/23/11	ANN	315.97	14.47	0.00	302.00	--	--	--	--	--	--	
MW-5	02/21/12	ANN	315.97	14.38	0.00	302.00	--	--	--	--	--	--	
MW-5	06/25/12	INA	315.97	14.68	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-5	09/22/12		315.97	15.19	0.00	301.00	--	--	--	--	--	--	
MW-5	12/10/12		315.97	14.63	0.00	301.00	--	--	--	--	--	--	
MW-5	03/26/13	INA	315.84	--	--	--	--	--	--	--	--	--	
MW-5	06/13/13		315.84	14.96	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-5	09/04/13		315.84	15.52	0.00	300.00	--	--	--	--	--	--	
MW-5	12/04/13		315.84	15.33	0.00	301.00	--	--	--	--	--	--	
MW-5	03/06/14		315.84	15.03	0.00	301.00	--	--	--	--	--	--	
MW-5	06/09/14		315.84	15.50	0.00	300.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Bucket Purge
MW-5	09/22/14		315.83	15.81	0.00	300.00	--	--	--	--	--	--	
MW-5	12/19/14		315.83	--	--	--	--	--	--	--	--	--	Unable to Access
MW-5	03/27/15		315.83	14.86	0.00	301.00	--	--	--	--	--	--	
MW-5	05/21/15		315.83	15.03	0.00	300.80	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-5	09/09/15	ANN	315.83	15.48	0.00	300.35	--	--	--	--	--	--	
MW-6	11/22/95		312.20	13.20	0.00	299.00	<50	<0.50	<0.50	<0.50	<0.50	--	[25]
MW-6	12/30/95		312.20	13.65	0.00	298.55	--	--	--	--	--	--	
MW-6	01/29/96		312.20	12.18	0.00	300.02	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-6	02/27/96		312.20	11.45	0.00	300.75	70	1.1	<0.5	<0.5	<0.5	<5.0	
MW-6	03/05/96		312.20	11.32	0.00	300.88	--	--	--	--	--	--	
MW-6	04/23/96		312.20	11.12	0.00	301.08	--	--	--	--	--	--	
MW-6	05/30/96		312.20	11.45	0.00	300.75	60	1.3	<0.5	<0.5	0.9	<5.0	
MW-6	06/19/96		312.20	11.54	0.00	300.66	--	--	--	--	--	--	
MW-6	07/15/96		312.20	11.76	0.00	300.44	--	--	--	--	--	--	
MW-6	08/27/96		312.20	11.95	0.00	300.25	90	1.6	<0.5	<0.5	<0.5	<5.0	
MW-6	09/06/96		312.20	12.02	0.00	300.18	--	--	--	--	--	--	
MW-6	10/28/96		312.20	12.01	0.00	300.19	--	--	--	--	--	--	
MW-6	11/11/96		312.20	11.90	0.00	300.30	110	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-6	05/06/97		312.20	11.28	0.00	300.92	170	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-6	07/27/97		312.20	11.68	0.00	300.52	--	--	--	--	--	--	
MW-6	11/18/97		312.20	11.77	0.00	300.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-6	05/31/98		312.20	9.81	0.00	302.39	<50	0.89	0.65	<0.3	<0.6	<10	
MW-6	11/23/98	INA	312.20	--	--		--	--	--	--	--	--	Unable to locate
MW-6	12/23/98		312.20	10.32	0.00	301.88	66	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-6	05/11/99		312.20	9.80	0.00	302.40	<50	1.9	<0.5	<0.5	<0.5	2.9	
MW-6	11/24/99		312.20	10.65	0.00	301.55	77.2	13.5	<0.5	<0.5	<0.5	<2.5	
MW-6	05/23/00		312.20	10.35	0.00	301.85	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-6	10/31/00		312.20	10.37	0.00	301.83	<50.0	<0.500	<0.500	<0.500	<1.50	5.08	
MW-6	05/18/01		312.20	11.31	0.00	300.89	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-6	11/16/01		312.20	11.89	0.00	300.31	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-6	07/01/02		312.20	12.16	0.00	300.04	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-6	11/08/02		312.20	12.50	0.00	299.70	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-6	06/13/03	INA	312.20	--	--		--	--	--	--	--	--	Unable to locate
MW-6	11/20/03	INA	312.20	--	--		--	--	--	--	--	--	Unable to locate
MW-6	05/18/04		312.20	12.26	0.00	299.94	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/19/04		312.20	12.04	0.00	300.16	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/03/05		312.20	12.22	0.00	299.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/28/05		312.20	12.61	0.00	299.59	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/25/06		312.20	11.83	0.00	300.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/21/06		312.20	12.10	0.00	300.10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/09/07		312.20	12.38	0.00	299.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/17/07		312.20	12.95	0.00	299.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	04/30/08		312.20	13.64	0.00	298.56	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/26/08		312.20	13.80	0.00	298.40	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/22/09		312.20	12.94	0.00	299.26	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/24/09		312.20	14.04	0.00	298.16	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/25/10		312.20	13.22	0.00	298.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	11/29/10		312.20	13.86	0.00	298.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-6	05/02/11		312.20	12.71	0.00	299.49	<50	1	<0.5	<0.5	<0.5	0.7	[19]
MW-6	11/23/11		314.91	13.53	0.00	301.38	<50	<0.5	<0.5	<0.5	<0.5	0.8	[19]
MW-6	02/21/12	SA	314.91	13.40	0.00	301.51	--	--	--	--	--	--	
MW-6	06/25/12		314.91	13.79	0.00	301.12	<50	<0.5	<0.5	<0.5	<0.5	1	

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Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-6	09/22/12		314.91	14.33	0.00	300.58	--	--	--	--	--	--	
MW-6	12/10/12		314.91	13.87	0.00	301.04	<50	<0.5	<0.5	<0.5	<0.5	1	
MW-6	03/26/13		314.92	13.56	0.00	301.36	--	--	--	--	--	--	
MW-6	06/13/13		314.92	14.08	0.00	300.84	<50	<0.5	<0.5	<0.5	<0.5	2	
MW-6	09/04/13		314.92	14.65	0.00	300.27	--	--	--	--	--	--	
MW-6	12/04/13		314.92	14.43	0.00	300.49	<50	<0.5	<0.5	<0.5	<0.5	2	
MW-6	03/06/14		314.92	14.08	0.00	300.84	--	--	--	--	--	--	
MW-6	06/09/14		314.92	14.57	0.00	300.35	<50	<0.5	<0.5	<0.5	<0.5	2	
MW-6	09/22/14		314.84	14.95	0.00	299.89	--	--	--	--	--	--	
MW-6	12/19/14		314.84	14.14	0.00	300.70	<50	<0.5	<0.5	<0.5	<0.5	0.5	
MW-6	03/27/15		314.84	13.87	0.00	300.97	--	--	--	--	--	--	
MW-6	05/21/15		314.84	14.08	0.00	300.76	<50	<0.5	<0.5	<0.5	<0.5	1	
MW-6	09/09/15		314.84	14.71	0.00	300.13	<50	<0.5	<0.5	<0.5	<0.5	1	
MW-7	11/22/95		313.36	14.15	0.00	299.21	<50	<0.50	<0.50	<0.50	<0.50	--	[25]
MW-7	12/30/95		313.36	12.38	0.00	300.98	--	--	--	--	--	--	
MW-7	01/29/96		313.36	13.14	0.00	300.22	--	--	--	--	--	--	
MW-7	02/27/96		313.36	12.34	0.00	301.02	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-7	03/05/96		313.36	12.35	0.00	301.01	--	--	--	--	--	--	
MW-7	04/23/96		313.36	12.13	0.00	301.23	--	--	--	--	--	--	
MW-7	05/30/96		313.36	12.42	0.00	300.94	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-7	06/19/96		313.36	12.57	0.00	300.79	--	--	--	--	--	--	
MW-7	07/15/96		313.36	12.70	0.00	300.66	--	--	--	--	--	--	
MW-7	08/27/96		313.36	12.85	0.00	300.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-7	09/06/96		313.36	12.90	0.00	300.46	--	--	--	--	--	--	
MW-7	10/28/96		313.36	12.84	0.00	300.52	--	--	--	--	--	--	
MW-7	11/11/96		313.36	12.75	0.00	300.61	--	--	--	--	--	--	
MW-7	05/06/97		313.36	12.14	0.00	301.22	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-7	07/27/97		313.36	12.45	0.00	300.91	--	--	--	--	--	--	
MW-7	11/18/97		313.36	12.54	0.00	300.82	--	--	--	--	--	--	
MW-7	05/31/98		313.36	10.75	0.00	302.61	<50	<0.3	<0.3	<0.3	<0.6	<10	
MW-7	11/23/98	ANN	313.36	10.84	0.00	302.52	--	--	--	--	--	--	
MW-7	05/11/99		313.36	10.40	0.00	302.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-7	05/23/00		313.36	10.97	0.00	302.39	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-7	10/31/00		313.36	11.85	0.00	301.51	--	--	--	--	--	--	
MW-7	05/18/01		313.36	12.02	0.00	301.34	<50	<0.50	1.7	<0.50	1.2	<2.5	
MW-7	11/16/01		313.36	12.83	0.00	300.53	--	--	--	--	--	--	
MW-7	07/01/02		313.36	12.94	0.00	300.42	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-7	11/08/02		313.36	13.25	0.00	300.11	--	--	--	--	--	--	
MW-7	06/13/03		313.36	12.81	0.00	300.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/20/03		313.36	12.59	0.00	300.77	--	--	--	--	--	--	
MW-7	05/18/04		313.36	12.83	0.00	300.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/19/04	ANN	313.36	12.79	0.00	300.57	--	--	--	--	--	--	
MW-7	05/03/05		313.36	12.81	0.00	300.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/28/05	ANN	313.36	13.58	0.00	299.78	--	--	--	--	--	--	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-7	05/25/06		313.36	12.29	0.00	301.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/21/06	ANN	313.36	12.74	0.00	300.62	--	--	--	--	--	--	
MW-7	05/09/07		313.36	13.05	0.00	300.31	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/17/07	ANN	313.36	13.73	0.00	299.63	--	--	--	--	--	--	
MW-7	04/30/08		313.36	13.93	0.00	299.43	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/26/08	ANN	313.36	14.86	0.00	298.50	--	--	--	--	--	--	
MW-7	05/22/09		313.36	13.61	0.00	299.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/24/09	ANN	313.36	15.01	0.00	298.50	--	--	--	--	--	--	
MW-7	05/25/10		313.36	14.43	0.00	298.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/29/10	ANN	313.36	14.75	0.00	298.61	--	--	--	--	--	--	
MW-7	05/02/11		313.36	13.95	0.00	299.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-7	11/23/11	ANN	316.39	14.75	0.00	301.64	--	--	--	--	--	--	
MW-7	02/21/12	ANN	316.39	14.58	0.00	301.81	--	--	--	--	--	--	
MW-7	06/25/12	INA	316.39	14.98	0.00	301.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-7	09/22/12		316.39	15.46	0.00	300.93	--	--	--	--	--	--	
MW-7	12/10/12		316.39	14.93	0.00	301.46	--	--	--	--	--	--	
MW-7	03/26/13		316.28	14.85	0.00	301.43	--	--	--	--	--	--	
MW-7	06/13/13		316.28	15.28	0.00	301.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-7	09/04/13		316.28	15.83	0.00	300.45	--	--	--	--	--	--	
MW-7	12/04/13		316.28	15.70	0.00	300.58	--	--	--	--	--	--	
MW-7	03/06/14		316.28	15.40	0.00	300.88	--	--	--	--	--	--	
MW-7	06/09/14		316.28	15.80	0.00	300.48	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Bucket Purge
MW-7	09/22/14		316.32	16.15	0.00	300.17	--	--	--	--	--	--	
MW-7	12/19/14		316.32	15.60	0.00	300.72	--	--	--	--	--	--	
MW-7	03/27/15		316.32	15.23	0.00	301.09	--	--	--	--	--	--	
MW-7	05/21/15		316.32	15.40	0.00	300.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-7	09/09/15	ANN	316.32	15.77	0.00	300.55	--	--	--	--	--	--	
MW-8	11/22/95		329.91	30.35	0.00	299.56	<50	<0.50	<0.50	<0.50	<0.50	--	[25]
MW-8	12/30/95		329.91	30.30	0.00	299.61	--	--	--	--	--	--	
MW-8	01/29/96		329.91	29.56	0.00	300.35	--	--	--	--	--	--	
MW-8	02/27/96		329.91	28.68	0.00	301.23	<50	<0.5	<0.5	<0.5	<5.0	<5.0	
MW-8	03/05/96		329.91	28.75	0.00	301.16	--	--	--	--	--	--	
MW-8	04/23/96		329.91	28.25	0.00	301.66	--	--	--	--	--	--	
MW-8	05/30/96		329.91	28.44	0.00	301.47	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-8	06/19/96		329.91	28.51	0.00	301.40	--	--	--	--	--	--	
MW-8	07/15/96		329.91	28.67	0.00	301.24	--	--	--	--	--	--	
MW-8	08/27/96		329.91	28.92	0.00	300.99	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-8	09/06/96		329.91	28.99	0.00	300.92	--	--	--	--	--	--	
MW-8	10/28/96		329.91	29.06	0.00	300.85	--	--	--	--	--	--	
MW-8	11/11/96		329.91	28.98	0.00	300.93	--	--	--	--	--	--	
MW-8	05/06/97		329.91	28.14	0.00	301.77	<50	3.6	3.1	0.7	2.5	<5.0	
MW-8	07/27/97		329.91	28.55	0.00	301.36	--	--	--	--	--	--	
MW-8	11/18/97		329.91	28.80	0.00	301.11	--	--	--	--	--	--	
MW-8	05/31/98		329.91	26.57	0.00	303.34	<50	<0.3	<0.3	<0.3	<0.6	<10	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-8	11/23/98	ANN	329.91	26.96	0.00	302.95	--	--	--	--	--	--	
MW-8	05/11/99		329.91	26.48	0.00	303.43	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	05/23/00		329.91	27.09	0.00	302.82	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-8	10/31/00		329.91	11.13	0.00	318.78	--	--	--	--	--	--	
MW-8	05/18/01		329.91	28.24	0.00	301.67	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-8	11/16/01		329.91	29.07	0.00	300.84	--	--	--	--	--	--	
MW-8	07/01/02		329.91	29.17	0.00	300.74	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-8	11/08/02		329.91	29.51	0.00	300.4	--	--	--	--	--	--	
MW-8	06/13/03		329.91	29.14	0.00	300.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-8	11/20/03		329.91	28.94	0.00	300.97	--	--	--	--	--	--	
MW-8	05/18/04		329.91	29.35	0.00	300.56	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-8	11/19/04	ANN	329.91	29.10	0.00	300.81	--	--	--	--	--	--	
MW-8	05/03/05		329.91	29.51	0.00	300.40	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-8	11/28/05	ANN	329.91	29.74	0.00	300.17	--	--	--	--	--	--	
MW-8	05/25/06		329.91	28.95	0.00	300.96	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-8	11/21/06	ANN	329.91	29.14	0.00	300.77	--	--	--	--	--	--	
MW-8	05/09/07		329.91	29.72	0.00	300.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
MW-8	11/17/07	ANN	329.91	30.08	0.00	299.83	--	--	--	--	--	--	
MW-8	04/30/08		329.91	28.97	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19, 22]
MW-8	11/26/08		329.91	--	--	--	--	--	--	--	--	--	Well Damaged, [22]
MW-8	05/22/09		329.91	--	--	--	--	--	--	--	--	--	Well Damaged, [22]
MW-8	11/24/09		329.91	--	--	--	--	--	--	--	--	--	Well Damaged, [22]
MW-8	03/26/13		333.00	--	--	--	--	--	--	--	--	--	
MW-8	06/13/13		333.00	31.75	0.00	301.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-8	09/04/13		333.00	32.33	0.00	300.67	--	--	--	--	--	--	
MW-8	12/04/13		333.00	32.23	0.00	300.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-8	03/06/14		333.00	32.00	0.00	301.00	--	--	--	--	--	--	
MW-8	06/09/14		333.00	32.29	0.00	300.71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-8	09/22/14		333.02	32.63	0.00	300.39	--	--	--	--	--	--	
MW-8	12/19/14		333.02	32.06	0.00	300.96	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-8	03/27/15		333.02	31.77	0.00	301.25	--	--	--	--	--	--	
MW-8	05/21/15		333.02	31.98	0.00	301.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-8	09/09/15		333.02	32.48	0.00	300.54	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-9	11/18/11		332.56	30.98	0.00	301.58	--	--	--	--	--	--	[26]
MW-9	11/23/11		332.56	30.98	0.00	301.58	2,500	480	81	55	52	<3	[19]
MW-9	02/21/12		332.56	30.88	0.00	301.68	2,900	590	100	64	81	<5	[19]
MW-9	06/25/12		332.56	31.13	0.00	301.43	2,400	370	84	59	62	<0.5	
MW-9	09/22/12		332.56	31.65	0.00	300.91	5,200	1,100	950	110	300	<5	
MW-9	12/10/12		332.56	31.34	0.00	301.22	6,800	1,400	1,100	90	370	<5	
MW-9	03/26/13		332.45	31.00	0.00	301.45	4,400	700	110	57	120	<0.5	
MW-9	06/13/13		332.45	31.42	0.00	301.03	1,400	190	11	24	10	<0.5	
MW-9	09/04/13		332.45	31.99	0.00	300.46	5,900	930	350	30	230	<1	
MW-9	12/04/13		332.45	31.84	0.00	300.61	9,600	2300	1500	54	330	<3	
MW-9	03/06/14		332.45	31.58	0.00	300.87	9,500	1700	1100	100	660	<1	

TABLE 2
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10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-9	06/09/14		332.45	31.95	0.00	300.50	8,200	1,700	630	140	810	<1	
MW-9	09/22/14		332.46	32.29	0.00	300.17	6,000	1,500	290	16	320	<3	
MW-9	12/19/14		332.46	32.73	0.00	299.73	7,900	2,300	1,300	42	230	<5	
MW-9	03/27/15		332.46	31.64	0.00	300.82	1,500	200	20	12	48	<0.5	
MW-9	05/21/15		332.46	31.51	0.00	300.95	4,400	1,200	470	10	140	<10	
MW-9	09/09/15		332.46	32.05	0.00	300.41	8,100	1,800	250	100	570	<5	
MW-10	11/18/11		331.77	30.18	0.00	301.59	--	--	--	--	--	--	26
MW-10	11/23/11		331.77	30.15	0.00	301.62	8,700	500	220	58	430	<3	19
MW-10	02/21/12		331.77	30.08	0.00	301.69	1,300	260	90	25	130	<3	19
MW-10	06/25/12		331.77	30.32	0.00	301.45	2,500	420	70	27	180	<5	
MW-10	09/22/12		331.77	30.85	0.00	300.92	2,900	620	470	30	160	<5	
MW-10	12/10/12		331.77	36.64	0.00	295.13	3,100	630	27	<5	37	<5	
MW-10	03/26/13		331.66	30.16	0.00	301.50	920	150	18	4	26	<0.5	
MW-10	06/13/13		331.66	30.63	0.00	301.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-10	09/04/13		331.66	31.14	0.00	300.52	6,800	1,300	510	14	180	<1	
MW-10	12/04/13	SPH	331.66	31.34	0.28	300.53	--	--	--	--	--	--	
MW-10	03/06/14	SPH	331.66	32.30	1.92	300.80	--	--	--	--	--	--	
MW-10	06/09/14	SPH	331.66	32.50	1.68	300.42	--	--	--	--	--	--	
MW-10	09/22/14	SPH	331.68	32.77	1.56	300.08	--	--	--	--	--	--	
MW-10	12/19/14	SPH	331.68	32.67	2.46	300.86	--	--	--	--	--	--	
MW-10	03/27/15	SPH	331.68	31.23	0.98	301.19	--	--	--	--	--	--	
MW-10	05/21/15	SPH	331.68	31.68	1.29	300.97	--	--	--	--	--	--	
MW-10	09/09/15	SPH	331.68	32.72	1.92	300.40	--	--	--	--	--	--	
MW-11	11/18/11		331.98	30.15	0.00	301.83	--	--	--	--	--	--	26
MW-11	11/23/11		331.98	30.42	0.00	301.56	61,000	5,500	11,000	1,300	6,400	<5	19
MW-11	02/21/12		331.98	30.35	0.00	301.63	62,000	6,400	7,800	1,100	5,000	<25	19
MW-11	06/25/12		331.98	30.63	0.00	301.35	47,000	9,800	7,900	880	3,900	<50	
MW-11	09/22/12		331.98	31.15	0.00	300.83	51,000	9,000	7,200	1,200	4,600	<50	
MW-11	12/10/12		331.98	30.88	0.00	301.10	41,000	8,400	6,800	720	3,600	<25	
MW-11	03/26/13	SPH	331.87	31.35	1.26	300.52	--	--	--	--	--	--	
MW-11	06/13/13	SPH	331.87	31.96	1.33	300.91	--	--	--	--	--	--	
MW-11	09/04/13	SPH	331.87	32.36	1.26	300.46	--	--	--	--	--	--	
MW-11	12/04/13	SPH	331.87	32.23	1.12	300.48	--	--	--	--	--	--	
MW-11	03/06/14	SPH	331.87	31.84	1.09	300.85	--	--	--	--	--	--	
MW-11	06/09/14	SPH	331.87	32.04	0.69	300.35	--	--	--	--	--	--	
MW-11	09/22/14	SPH	331.88	32.35	0.69	300.05	--	--	--	--	--	--	
MW-11	12/19/14	SPH	331.88	31.58	0.48	300.66	--	--	--	--	--	--	
MW-11	03/27/15	SPH	331.88	30.76	0.05	301.16	--	--	--	--	--	--	
MW-11	05/21/15	SPH	331.88	30.98	0.05	300.94	--	--	--	--	--	--	
MW-11	09/09/15	SPH	331.88	31.58	1.06	301.10	--	--	--	--	--	--	
MW-12	11/18/11		332.53	30.42	0.00	302.11	--	--	--	--	--	--	26
MW-12	11/23/11		332.53	31.03	0.00	301.50	4,100	880	190	160	150	<1	19
MW-12	02/21/12		332.53	30.92	0.00	301.61	2,800	750	9	150	18	<5	19
MW-12	06/25/12		332.53	31.23	0.00	301.30	570	21	0.8	38	3	<0.5	

TABLE 2
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10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-12	09/22/12		332.53	31.78	0.00	300.75	350	2	<0.5	6	<0.5	<0.5	
MW-12	12/10/12		332.53	31.37	0.00	301.16	380	17	<0.5	1	0.9	<0.5	
MW-12	03/26/13		332.42	31.05	0.00	301.37	240	7	0.7	0.9	1	<0.5	
MW-12	06/13/13		332.42	31.51	0.00	300.91	180	7	0.6	0.6	0.5	<0.5	
MW-12	09/04/13		332.42	32.06	0.00	300.36	160	12	<0.5	<0.5	0.7	<0.5	
MW-12	12/04/13		332.42	31.90	0.00	300.52	470	140	1	<0.5	3	<0.5	
MW-12	03/06/14		332.42	31.60	0.00	300.82	1,300	320	3	0.7	4	<0.5	
MW-12	06/09/14		332.42	32.03	0.00	300.39	470	39	0.6	<0.5	<0.5	<0.5	
MW-12	09/22/14		332.44	32.37	0.00	300.07	340	4	<0.5	<0.5	<0.5	<0.5	
MW-12	12/19/14		332.44	31.73	0.00	300.71	640	110	0.7	2	1	0.9	
MW-12	03/27/15		332.44	31.38	0.00	301.06	560	34	0.7	<0.5	2	1	
MW-12	05/21/15		332.44	31.58	0.00	300.86	620	93	0.8	<0.5	2	1	
MW-12	09/09/15		332.44	31.20	0.00	301.24	280	2	<0.5	<0.5	<0.5	0.6	
MW-13	11/18/11		331.60	30.13	0.00	301.47	--	--	--	--	--	--	[26]
MW-13	11/23/11		331.60	30.14	0.00	301.46	1,100	150	61	26	55	2	[19]
MW-13	02/21/12		331.60	30.02	0.00	301.58	430	43	1	13	2	3	[19]
MW-13	06/25/12		331.60	30.34	0.00	301.26	290	22	0.7	2	1	2	
MW-13	09/22/12		331.60	30.89	0.00	300.71	290	11	0.6	4	0.7	2	
MW-13	12/10/12		331.60	30.47	0.00	301.13	240	16	<0.5	5	1	1	
MW-13	03/26/13		331.49	30.15	0.00	301.34	290	23	<0.5	2	<0.5	2	
MW-13	06/13/13		331.49	30.62	0.00	300.87	240	22	<0.5	<0.5	<0.5	2	
MW-13	09/04/13		331.49	31.19	0.00	300.30	210	40	<0.5	<0.5	<0.5	2	
MW-13	12/04/13		331.49	31.00	0.00	300.49	430	110	<0.5	1	<0.5	2	
MW-13	03/06/14		331.49	30.68	0.00	300.81	320	35	<0.5	1	<0.5	2	
MW-13	06/09/14		331.49	31.12	0.00	300.37	550	130	0.6	2	0.9	2	
MW-13	09/22/14		331.51	31.49	0.00	300.02	430	130	<0.5	<0.5	<0.5	2	
MW-13	12/19/14		331.51	30.81	0.00	300.70	410	56	<0.5	<0.5	<0.5	2	
MW-13	03/27/15		331.51	30.45	0.00	301.06	200	65	<0.5	<0.5	<0.5	2	
MW-13	05/21/15		331.51	30.68	0.00	300.83	230	32	<0.5	0.6	<0.5	1	
MW-13	09/09/15		331.51	30.68	0.00	300.83	250	62	<0.5	<0.5	<0.5	1	
MW-14	11/18/11		332.24	30.71	0.00	301.53	--	--	--	--	--	--	[26]
MW-14	11/23/11		332.24	30.72	0.00	301.52	68,000	19,000	9,400	1,400	4,900	<25	[19]
MW-14	02/21/12		332.24	30.60	0.00	301.64	80,000	17,000	8,900	1,100	3,900	<10	[19]
MW-14	06/25/12		332.24	30.92	0.00	301.32	80,000	23,000	9,800	1,100	4,300	<50	
MW-14	09/22/12		332.24	31.45	0.00	300.79	83,000	25,000	9,900	1,800	6,600	<25	
MW-14	12/10/12		332.24	31.07	0.00	301.17	70,000	19,000	8,700	1,200	4,600	<50	
MW-14	03/26/13		332.12	30.74	0.00	301.38	92,000	23,000	6,200	1,200	4,700	<5	
MW-14	06/13/13		332.12	31.21	0.00	300.91	76,000	24,000	7,000	1,300	4,900	<10	
MW-14	09/04/13		332.12	31.77	0.00	300.35	100,000	23,000	8,200	1,400	5,500	<25	
MW-14	12/04/13		332.12	31.60	0.00	300.52	64,000	23,000	8,000	1,500	5,500	<50	
MW-14	03/06/14		332.12	31.28	0.00	300.84	77,000	25,000	3,400	1,600	4,200	<25	
MW-14	06/09/14		332.12	31.70	0.00	300.42	61,000	20,000	6,200	1,300	4,500	<10	
MW-14	09/22/14		332.13	32.08	0.00	300.05	31,000	10,000	2,100	730	2,500	<10	
MW-14	12/19/14		332.13	31.50	0.00	300.63	22,000	3,600	3,900	250	1,900	<5	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-14	03/27/15		332.13	31.05	0.00	301.08	14,000	3,700	800	200	970	<10	
MW-14	05/21/15		332.13	31.25	0.00	300.88	12,000	3,900	660	280	1,000	<10	
MW-14	09/09/15		332.13	31.81	0.00	300.32	17,000	5,700	240	460	910	<25	
MW-15	11/18/11		332.88	31.32	0.00	301.56	--	--	--	--	--	--	26
MW-15	11/23/11		332.88	31.33	0.00	301.55	24,000	9,500	2,200	260	990	<10	19
MW-15	02/21/12		332.88	31.22	0.00	301.66	110,000	25,000	8,800	1,000	3,800	<13	19
MW-15	06/25/12		332.88	31.51	0.00	301.37	88,000	28,000	8,400	1,100	4,300	<50	
MW-15	09/22/12		332.88	32.05	0.00	300.83	77,000	29,000	9,000	1,700	6,400	<25	
MW-15	12/10/12		332.88	31.70	0.00	301.18	71,000	22,000	5,900	1,200	4,800	<100	
MW-15	03/26/13		332.77	31.36	0.00	301.41	96,000	25,000	4,300	1,200	4,400	<5	
MW-15	06/13/13		332.77	31.81	0.00	300.96	58,000	24,000	4,500	1,100	3,900	12	
MW-15	09/04/13		332.77	32.37	0.00	300.40	95,000	24,000	4,400	1,200	4,400	<25	
MW-15	12/04/13		332.77	32.22	0.00	300.55	50,000	20,000	2,300	1,100	3,700	<50	
MW-15	03/06/14		332.77	31.91	0.00	300.86	62,000	22,000	1,300	1,200	3,400	<25	
MW-15	06/09/14		332.77	32.31	0.00	300.46	64,000	23,000	1,900	1,100	3,400	<10	
MW-15	09/22/14		332.78	32.69	0.00	300.09	53,000	19,000	1,100	1,200	3,000	<25	
MW-15	12/19/14		332.78	32.11	0.00	300.67	11,000	3,500	290	160	370	<5	
MW-15	03/27/15		332.78	31.86	0.00	300.92	34,000	14,000	1,600	610	1,200	<25	
MW-15	05/21/15		332.78	31.88	0.00	300.90	39,000	13,000	1,100	750	1,600	<10	
MW-15	09/09/15		332.78	32.45	0.00	300.33	52,000	27,000	930	1,500	3,800	<250	
MW-16	09/22/14		318.20	18.89	0.00	299.31	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-16	12/19/14		318.20	17.51	0.00	300.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-16	03/27/15		318.20	17.16	0.00	301.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-16	05/21/15		318.20	17.41	0.00	300.79	<50	<0.5	<0.5	<0.5	<0.5	0.5	
MW-16	09/09/15		318.20	17.92	0.00	300.28	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
WSW-1	11/15/95		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
WSW-1	11/11/96		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
WSW-1	07/27/97		--	--	--	--	--	--	--	--	--	--	
WSW-1	11/18/97		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
WSW-1	05/31/98		--	--	--	--	--	--	--	--	--	--	
WSW-1	11/23/98		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
WSW-1	05/11/99		--	--	--	--	--	--	--	--	--	--	
WSW-1	11/24/99		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
WSW-1	05/23/00	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	10/30/00		--	--	--	--	--	--	--	--	--	--	
WSW-1	05/18/01		--	--	--	--	--	--	--	--	--	--	
WSW-1	11/16/01		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
WSW-1	07/01/02		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
WSW-1	11/08/02		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
WSW-1	11/20/03		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	19
WSW-1	05/18/04	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/19/04		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	19
WSW-1	05/03/05	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/28/05		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	19

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
WSW-1	05/25/06	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/21/06		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
WSW-1	11/17/07		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
WSW-1	04/30/08	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/26/08		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
WSW-1	11/24/09		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
WSW-1	05/25/10	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/29/10		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
WSW-1	05/02/11	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	11/23/11		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
WSW-1	02/21/12	ANN	--	--	--	--	--	--	--	--	--	--	
WSW-1	06/25/12		--	--	--	--	--	--	--	--	--	--	
WSW-1	09/22/12		--	--	--	--	--	--	--	--	--	--	
WSW-1	12/10/12		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
WSW-1	03/26/13		--	--	--	--	--	--	--	--	--	--	
WSW-1	06/13/13		--	--	--	--	--	--	--	--	--	--	
WSW-1	09/04/13		--	--	--	--	--	--	--	--	--	--	
WSW-1	12/04/13		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
WSW-1	03/06/14		--	--	--	--	--	--	--	--	--	--	
WSW-1	06/09/14		--	--	--	--	--	--	--	--	--	--	
WSW-1	09/22/14		--	--	--	--	--	--	--	--	--	--	
WSW-1	12/19/14		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
WSW-1	03/06/15	DEST	--	--	--	--	--	--	--	--	--	--	
BAILER BLANK	02/15/94		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	02/15/94		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	06/01/94		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	09/02/94		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	11/30/94		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	05/17/95		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	08/15/95		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
TRIP BLANK	11/15/95		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	02/27/96		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	05/30/96		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	08/27/96		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	11/11/96		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	05/06/97		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
TRIP BLANK	07/27/97		--	--	--	--	--	--	--	--	--	--	
TRIP BLANK	11/18/97		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
TRIP BLANK	05/31/98		--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10	
TRIP BLANK	11/23/98		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	
TRIP BLANK	05/11/99		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
TRIP BLANK	05/23/00		--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.5	
TRIP BLANK	10/31/00		--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	49.0	
TRIP BLANK	05/18/01		--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Well No.	Date	Notes	TOC Elevation (feet MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (feet MSL)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
QA	11/16/01		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
QA	07/01/02		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
QA	11/08/02		--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
QA	06/13/03		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/20/03		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	05/18/04		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/19/04		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	05/03/05		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/28/05		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	05/25/06		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/21/06		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	05/09/07		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/17/07		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	04/30/08		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	11/26/08		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]
QA	05/22/09		--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	[19]

TABLE 2
Historical Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, California

Notes:

TPH-GRO = Total petroleum hydrocarbons as gasoline range organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MTBE = Methyl tertiary butyl ether
SPH = Separate phase hydrocarbons
TOC = Top of casing (surveyed)
MSL = Mean sea level
µg/L = Microgram per liter
< = Analyte was not detected above laboratory method detection limit
- = Not measured or analyzed
Calc. GW Elev. = Calculated groundwater elevation = TOC - Depth to Water + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH
ANN = An approved annual sampling program was in place at this time; the well was not scheduled for sampling during this event
DEST = Well destroyed
INA = Well inaccessble due to steep terrain, grab samples collected
SA = An approved semi-annual sampling program was in place at this time; the well was not scheduled for sampling during this event
* = TOC elevations are relative to msl.
** = GWE has been corrected for the presence of SPH, correction factor = [(TOC - DTW) + (SPHT x 0.80)].
TOC elevations were surveyed on September 6, 2011, by Virgil Chavez Land Surveying and was provided on October 28, 2011.
1 = ORC present in well.
2 = ORC Installed.
3 = Confirmation run.
4 = Due to the presence of Separate Phase Hydrocarbons results for EPA 8015/8020 do not represent true values for TPH-Gasoline, BTEX, or MTBE. The results were reported = respectively as 24,000, 140, 830, 210, 1,500, and <0.05 mg/Kg.
5 = Estimated Groundwater Elevation.
6 = Well was not sampled due to damaged casing and debris in well. Ground water elevation is an estimate.
7 = Laboratory report indicates gasoline C6-C12.
8 = Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.
9 = Laboratory report indicates result exceeds the linear range of calibration.
10 = Laboratory report indicates gasoline.
11 = Laboratory report indicates the results for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
12 = Chromatogram pattern indicates an unidentified hydrocarbon.
13 = Product + Water removed.
14 = MTBE by EPA Method 8260 was analyzed outside the EPA recommended holding time.
15 = Skimmer in well.
16 = ORC not present in well.
17 = MTBE by EPA Method 8260.
18 = 4.5 liters of SPH removed from skimmer and 2.5 liters of SPH removed from well.
19 = BTEX and MTBE by EPA Method 8260.
20 = Removed ORC from well.
21 = Area inaccessible to truck; unable to purge.
22 = TOC has been altered; unable to determine GWE.
23 = Product only removed from well.
24 = Skimmer removed from well.
25 = Depth to water and analytical data provided by CRA.
26 = Well development performed.

TABLE 3
Soil Boring and Well Construction Details
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, CA

Location I.D.	Installation Date	TOC Elevation (feet)	Total Depth (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Casing Material	Slot Size (inches)	Screened Interval (feet bgs)	Filter Pack Interval (feet bgs)	Bentonite Seal Interval (feet bgs)	Cement Seal Interval (feet bgs)	Comments
Borehole (B)												
B-1	12/09/92	--	22	6	--	--	--	--	--	--	0-22	
B-2	05/21/93	--	37	8-7/8	--	--	--	--	--	--	--	Borehole for MW-4
B-3	05/21/93	--	25	3.7	--	--	--	--	--	--	0-25	
B-4	05/25/93	--	25	8-7/8	--	--	--	--	--	--	--	Borehole for MW-5
Boring (B)												
B-1	12/07/87	--	19.5	--	--	--	--	--	--	--	0-19.5	
B-2	12/07/87	--	19.5	--	--	--	--	--	--	--	0-19.5	
B-3	12/07/87	--	14	--	--	--	--	--	--	--	0-14	
B-4	12/07/87	--	19.5	--	--	--	--	--	--	--	0-19.5	
B-5	12/07/87	--	5.67	--	--	--	--	--	--	--	0-5.67	
B-6	12/07/87	--	8.75	--	--	--	--	--	--	--	0-8.75	
B-7	12/07/87	--	8	--	--	--	--	--	--	--	0-8	
B-8	08/25/11	--	30	6	--	--	--	--	--	--	0-30	
B-9	08/25/11	--	30	6	--	--	--	--	--	--	0-30	
B-10	08/25/11	--	30	6	--	--	--	--	--	--	0-30	
B-11	08/26/11	--	30	6	--	--	--	--	--	--	0-30	
B-12	08/26/11	--	30	6	--	--	--	--	--	--	0-30	
Monitoring Wells (MW)												
MW-1	12/08/92	29.18	39.5	10	4	Sch 40 PVC	0.020	22-37	20-38	18-20	0-18	Slough 38-39.5 ft bgs
MW-2	12/10/92	27.22	37	8	2	Sch 40 PVC	0.020	21-36	19-37	17-19	0-17	
MW-3	12/10/92	29.26	40	8	2	Sch 40 PVC	0.020	22.5-37.5	20.5-37.5	18.5-20.5	0-18.5	Slough 37.5-40 ft bgs
MW-4	05/21/93	--	37	8-7/8	2	Sch 40 PVC	0.020	22-37	20-37	18-20	0-18	Borehole B-2
MW-5	05/25/93	--	25	8-7/8	2	Sch 40 PVC	0.020	5-25	4-25	3-4	0-3	Borehole B-4
MW-6	10/27/95	--	30	6.5	2	Sch 40 PVC	0.020	7-30	6-30	5-6	0-5	
MW-7	10/24/95	--	25	6.5	2	Sch 40 PVC	0.020	5-25	4-25	3-4	0-3	
MW-8	10/27/95	--	40	6.5	2	Sch 40 PVC	0.020	20-40	18-40	17-18	0-17	
MW-9	08/22/11	332.56	37	6	2	Sch 40 PVC	0.010	27-37	25-37	23-25	0-23	
MW-10	08/23/11	331.77	37	6	2	Sch 40 PVC	0.010	27-37	25-37	23-25	0-23	
MW-11	08/23/11	331.98	37	6	2	Sch 40 PVC	0.010	24-34	22-37	20-22	0-20	
MW-12	08/24/11	332.53	37	6	2	Sch 40 PVC	0.010	22-32	20-37	18-20	0-18	

TABLE 3
Soil Boring and Well Construction Details
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, CA

Location I.D.	Installation Date	TOC Elevation (feet)	Total Depth (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Casing Material	Slot Size (inches)	Screened Interval (feet bgs)	Filter Pack Interval (feet bgs)	Bentonite Seal Interval (feet bgs)	Cement Seal Interval (feet bgs)	Comments
Monitoring Wells (MW) continued												
MW-13	08/24/11	331.6	47	6	2	Sch 40 PVC	0.010	24-39	22-47	20-22	0-20	
MW-14	08/24/11	332.24	37	6	2	Sch 40 PVC	0.010	22-32	20-37	18-20	0-18	
MW-15	08/25/11	332.88	38	6	2	Sch 40 PVC	0.010	25.5-35.5	23.5-38	21.5-23.5	0-21.5	
MW-16	07/14/14	318.2	30	6-7/8	2	Sch 40 PVC	0.010	15-30	13-30	10-13	0-10	
Soil Boring (SB)												
SB-1	10/21/13	--	40	6-7/8	--	--	--	30-40	--	--	0-40	Temporary pre-packed 1" diameter well
SB-2	10/21/13	--	38	6-7/8	--	--	--	28-38	--	--	0-38	Temporary pre-packed 1" diameter well
SB-3	10/18/13	--	36	6-7/8	--	--	--	26-36	--	--	0-36	Temporary pre-packed 1" diameter well
SB-4	10/18/13	--	35	6-7/8	--	--	--	25-35	--	--	0-35	Temporary pre-packed 1" diameter well
SB-5	10/21/13	--	40	6-7/8	--	--	--	25-35	--	--	0-40	Temporary pre-packed 1" diameter well
SB-6	10/17/13	--	39	6-7/8	--	--	--	28-38	--	--	0-39	Temporary pre-packed 1" diameter well
SB-7	10/17/13	--	39	6-7/8	--	--	--	29-39	--	--	0-39	Temporary pre-packed 1" diameter well
SB-8	10/15/13	--	36	6-7/8	--	--	--	26-36	--	--	0-36	Temporary pre-packed 1" diameter well
SB-9	10/15/13	--	37	6-7/8	--	--	--	32-37	--	--	0-37	Temporary pre-packed 1" diameter well
SB-10	10/17/13	--	34	6-7/8	--	--	--	24-34	--	--	0-34	Temporary pre-packed 1" diameter well
SB-11	10/17/13	--	39	6-7/8	--	--	--	29-39	--	--	0-39	Temporary pre-packed 1" diameter well
SB-12	10/16/13	--	37	6-7/8	--	--	--	27-37	--	--	0-37	Temporary pre-packed 1" diameter well
SB-13	10/22/13	--	25	6-7/8	--	--	--	15-25	--	--	0-25	Temporary pre-packed 1" diameter well
SB-2A	10/31/13	--	32	4	--	--	--	--	--	--	0-32	
SB-3A	10/29/13	--	34	4	--	--	--	--	--	--	0-34	
SB-MW-1	10/30/13	--	32	4	--	--	--	--	--	--	0-32	
SB-MW-3	10/29/13	--	34	4	--	--	--	--	--	--	0-34	

Notes:

-- = not applicable or not available

bgs = below ground surface

Elevations are in US survey feet, Vertical Datum is NAVD 88

I.D. = Identification

Sch 40 PVC = Schedule 40 poly-vinyl chloride

TOC = Top of casing

TABLE 4
Groundwater Gradient and Flow Direction Data
Former Chevron Service Station No. 97127
10 Grant Line Rd, Mountain House, CA

Monitoring Date	Groundwater Gradient (feet per foot)	Groundwater Flow Direction	Groundwater Flow Direction														
			N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW
5/3/2005	0.02	North-Northwest																1
11/28/2005	0.02	North	1															
5/25/2006	0.02	North	1															
11/21/2006	0.02	North	1															
5/9/2007	0.02 - 0.05	North-Northwest																1
11/17/2007	0.01 - 0.05	North-Northwest																1
4/30/2008	0.01 - 0.07	North-Northeast		1														
11/26/2008	0.009 - 0.06	North-Northeast		1														
5/22/2009	0.02 - 0.07	North-Northeast		1														
11/24/2009	0.05	North	1															
5/25/2010	0.007 - 0.05	North-Northeast		1														
11/29/2010	0.007 - 0.03	North	1															
5/2/2011	0.02 - 0.05	North-Northeast		1														
11/23/2011	0.0008 - 0.0031	North-Northeast		1														
2/21/2012	0.0006 - 0.0031	North-Northeast		1														
6/25/2012	0.001	North	1															
9/22/2012	0.001	North	1															
12/10/2012	0.001	North-Northwest																1
3/26/2013	0.001	North	1															
6/13/2013	0.002	North-Northeast		1														
9/4/2013	0.001	North-Northeast		1														
12/4/2013	0.001	North-Northeast		1														
3/6/2014	0.001	North-Northeast		1														
6/9/2014	0.0011	North-Northeast		1														
9/22/2014	0.002	North-Northeast		1														
12/19/2014	0.001	North	1															
3/27/2015	0.008	North-Northeast		1														
5/21/2015	0.0008	North-Northeast		1														
9/9/2015	0.006 - 0.011	NNW, ENE, WSW				0.33								0.33				0.33
			9	15	0	0	0	0	0	0	0	0	0	0	0	0	0	4

Summary:

Total number of groundwater monitoring events between 1SA05 and 1Q15: 29

TABLE 5
Historical Bi-Monthly LNAPL Monitoring and Recovery Data
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, CA

Well I.D.	Date	Initial SPH Thickness (feet)	Final SPH Thickness (feet)	Approximate Volume of SPH Removed (Liters)	Approximate Volume of Groundwater Removed (Liters)
MW-1	1/17/2015	1.43	1.09	18	2
MW-1	1/31/2015	1.41	1.21	18	2
MW-1	2/13/2015	1.23	1.11	19	4
MW-1	2/25/2015	1.25	0.60	10	2
MW-1	3/15/2015	1.29	1.12	10	1
MW-1	3/27/2015	1.36	0.86	12	4
MW-1	4/10/2015	1.38	1.07	22	6.5
MW-1	4/24/2015	1.50	1.37	8.5	19
MW-1	5/8/2015	1.54	1.36	24	16
MW-1	5/21/2015	1.60	1.27	20	2
MW-1	6/3/2015	1.95	1.45	12	4
MW-1	6/19/2015	1.81	1.52	11	2
MW-1	7/2/2015	1.92	0.00	0	0
MW-1	7/17/2015	2.03	1.65	15	11
MW-1	7/30/2015	2.12	1.85	15	0
MW-1	8/15/2015	2.22	1.07	14	3
MW-3	1/17/2015	0.07	0.03	0.06	0.06
MW-3	1/31/2015	0.06	0.04	0.02	0.25
MW-3	2/13/2015	0.02	0.00	0.02	0.08
MW-3	2/25/2015	0.00	0.00	0	0
MW-3	3/15/2015	0.00	0.00	0	0
MW-3	3/27/2015	0.00	0.00	0	0
MW-3	4/10/2015	0.00	0.00	0	0
MW-3	4/24/2015	0.00	0.00	0	0
MW-3	5/8/2015	0.00	0.00	0	0
MW-3	5/21/2015	0.02	0.00	0.1	0.1
MW-3	6/3/2015	0.00	0.00	0	0
MW-3	6/19/2015	0.00	0.00	0	0
MW-3	7/2/2015	0.00	0.00	0	0
MW-3	7/17/2015	0.00	0.00	0	0
MW-3	7/30/2015	0.00	0.00	0	0
MW-3	8/15/2015	0.00	0.00	0	0
MW-10	1/17/2015	1.39	0.48	3.5	1.5
MW-10	1/31/2015	1.26	0.42	3.5	0.5
MW-10	2/13/2015	1.14	0.46	4	1
MW-10	2/25/2015	1.21	0.42	3	1
MW-10	3/15/2015	1.07	0.59	4	1
MW-10	3/27/2015	0.98	0.63	3	1
MW-10	4/10/2015	1.21	0.42	2.5	1
MW-10	4/24/2015	1.23	0.48	1.5	6
MW-10	5/8/2015	1.26	0.52	1	2
MW-10	5/21/2015	1.29	0.46	4	1
MW-10	6/3/2015	1.24	0.59	9	3
MW-10	6/19/2015	1.41	0.52	4.5	1.5

TABLE 5
Historical Bi-Monthly LNAPL Monitoring and Recovery Data
Former Chevron Service Station No. 97127
10 Grant Line Road, Mountain House, CA

Well I.D.	Date	Initial SPH Thickness (feet)	Final SPH Thickness (feet)	Approximate Volume of SPH Removed (Liters)	Approximate Volume of Groundwater Removed (Liters)
MW-10	7/2/2015	1.46	0.7	3.5	9
MW-10	7/17/2015	1.57	0.64	4	3
MW-10	7/30/2015	1.61	0.47	2	0
MW-10	8/15/2015	1.69	0.2	4.5	2
MW-11	1/17/2015	0.47	0.05	0.77	0.23
MW-11	1/31/2015	0.10	0.07	0.08	0.50
MW-11	2/13/2015	0.06	0.02	0.06	0.04
MW-11	2/25/2015	0.06	0.04	0.02	0.08
MW-11	3/15/2015	0.05	0.03	0.02	0.08
MW-11	3/27/2015	0.05	0.05	0.02	0.08
MW-11	4/10/2015	0.06	0.03	0.5	1
MW-11	4/24/2015	0.06	0.06	0.1	2
MW-11	5/8/2015	0.07	0.07	0.5	1
MW-11	5/21/2015	0.05	0.05	0.2	0.1
MW-11	6/3/2015	0.05	0.05	0.1	0.1
MW-11	6/19/2015	0.08	0.02	0.1	0.1
MW-11	7/2/2015	0.07	0.00	0.2	2
MW-11	7/17/2015	0.03	0.00	0.05	2
MW-11	7/30/2015	0.01	0.00	0.04	2
MW-11	8/15/2015	0.04	0.02	0.2	0.5

Notes:

I.D. = Identification

LNAPL = Light non-aqueous phase liquids

SPH = Separate-phase hydrocarbons

All data provided based on groundwater monitoring field data sheets provided by field personnel

Appendix A

Gettler-Ryan's *Second Semi Annual Events of May 21, 2015 and September 9, 2015*

Bi-Monthly LNAPL Monitoring Field Data Sheets

GETTLER-RYAN INC.

TRANSMITTAL

May 29, 2015
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
101 Creekside Ridge, Ste. 200
Roseville, California 95678

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Quarter Event of May 21, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

1 of 2

Client/
Facility #: Chevron #9-7127

Site Address: I-580 And Grant Line Road

City: Tracy, CA

Job #: 385251

Event Date: 5/21/15

Sampler: G. Medina

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	NA	→	→	OK	→	→	No	NO	STOVE PIPE	~~NO~~
MW-3	↓	NA	→	→	OK	→	→	↓	↓	↓	↓
MW-10	↓	NA	→	→	OK	→	→	↓	↓	↓	↓
MW-11	↓	NA	→	→	OK	→	→	↓	↓	↓	↓

Comments DRUM ~~OR~~ WITH PRODUCT (LIQUID) INITIAL: 27" END: 32.5"
DRUM WITH TRASH APPROX: 20% FULL

WELL CONDITION STATUS SHEET

2082

Client/
Facility #: **Chevron #9-7127**
Site Address: **I-580 And Grant Line Road**
City: **Tracy, CA**

Job #: **385251**
Event Date: 5.21.15
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y/(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/(N)
MW-2	OK	NA	→	→	OK	→	→	↓	↓	STOVEPIPE	
MW-4	OK	→	→	S=2	OK	→	→			EMCO/12"/2	
MW-5	OK	NA	→	→	OK	→	→			STOVEPIPE	
MW-6	OK	→	→	S=2	OK	→	→			EMCO/12"/2	
MW-7	OK	NA	→	→	OK	→	→			STOVEPIPE	
MW-8	OK	N/A	→	→	OK	→	→				
MW-9	OK	NA	→	→	OK	→	→				
MW-12	OK	NA	→	→	OK	→	→				
MW-13	OK	NA	→	→	OK	→	→				
MW-14	OK	N/A	→	→	OK	→	→				
MW-15	OK	NA	→	→	OK	→	→				
MW-16	OIL	NA	→	→	OIL	→	→				

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5/21/15 (inclusive)

City: **Tracy, CA** Sampler: GM

Well ID **MW-1**

Well Diameter 2 (4) in.

Initial Depth to Water 32.08 ft.

Initial Product Depth 30.48 ft.

Depth to SPH (5 Mins) 30.48 ft.

Depth to SPH (10 Mins) 30.48 ft.

Date Monitored: 5/21/15

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.

Time Started: 0730 (2400 hrs)

Time Completed: 0830 (2400 hrs)

Depth to Product: 30.48 ft

Depth to Water: 32.08 ft

Hydrocarbon Thickness: 1.60 ft

Visual Confirmation/Description: BROWN/OILY

Amt Removed from Well: 20 ltr

Water Removed: 2 ltr

Product Transferred to: DRUM

Purge Equipment:

EON Disposable Bailer X

Weather Conditions: WINDY

Water Color: ~~CLEAR~~ STRONG

Odor (Y) N

Time (2400 hr.)	Depth to Product	Depth to Water
0831	30.83	31.05
0832	30.82	31.08
0833	30.81	31.10
0834	30.80	31.13
0835	30.79	31.15
0836	30.78	31.18
0837	30.77	31.20
0838	30.76	31.23
0839	30.75	31.25
0840	30.74	31.28

Time (2400 hr.)	Depth to Product	Depth to Water
0841	30.73	31.30
0842	30.72	31.32
0843	30.71	31.34
0844	30.71	31.35
0845	30.70	31.36
0850	30.67	31.42
0900	30.63	31.53
0915	30.59	31.69
0930	30.56	31.83
[illegible]	[illegible]	[illegible]

COMMENTS: **INITIAL PID READING:** 4.4 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: ET

Well ID MW-2 Date Monitored: 5.21.15
Well Diameter (2)/4 in.
Total Depth 38.46 ft.
Depth to Water 28.98 ft.

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

☐ Check if water column is less then 0.50 ft.

9.48 xVF .17 = 1.61 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.87

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1225 Weather Conditions: CLOUDY
Sample Time/Date: 1245 / 5.21.15 Water Color: LT. BRN. Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 29.09

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1228	1.5	7.47	735	20.1		
1231	3.0	7.44	729	20.5		
1235	5.0	7.41	722	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5/21/15 (inclusive)

City: **Tracy, CA** Sampler: GM

Well ID **MW-3** Date Monitored: 5/21/15

Well Diameter (2) 4 in.

Initial Depth to Water 30.99 ft.

Initial Product Depth 30.97 ft.

Depth to SPH (5 Mins) 30.97 ft.

Depth to SPH (10 Mins) 30.97 ft.

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

EON Disposable Bailer X

Weather Conditions: WINDY

Water Color: CLEAR

Odor: (Y) N STRONG

Time Started: 1230 (2400 hrs)

Time Completed: 1235 (2400 hrs)

Depth to Product: 30.97 ft

Depth to Water: 30.99 ft

Hydrocarbon Thickness: 0.02 ft

Visual Confirmation/Description: BROWN / OILY

Amt Removed from Well: 0.1 ltr

Water Removed: 1 ltr

Product Transferred to: DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1236	NA	31.00
1237	NA	31.00
1238	NA	30.99
1239	NA	30.99
1240	NA	30.99
1241	NA	30.99
1242	NA	30.99
1243	NA	30.99
1244	NA	30.99
1245	NA	30.98

Time (2400 hr.)	Depth to Product	Depth to Water
1246	NA	30.98
1247	NA	30.98
1248	NA	30.98
1249	NA	30.98
1250	NA	30.98
1255	NA	30.97
1305	NA	30.97
1320	NA	30.97
1335	NA	30.97

COMMENTS: **INITIAL PID READING:** 0.0 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-4
Well Diameter (2)/ 4 in.
Total Depth 31.68 ft.
Depth to Water 28.29 ft.
Date Monitored: 5.21.15

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

☐ Check if water column is less then 0.50 ft.

3.39 xVF .17 = .57 x3 case volume = Estimated Purge Volume: 2.0 gal.

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

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1405 Weather Conditions: CLOUDY
Sample Time/Date: 1630 / 5.21.15 Water Color: BRN. Odor: (Y) / N MODERATE
Approx. Flow Rate: — gpm. Sediment Description: SILTY
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 28.90

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1408	.75	7.36	910	20.3		
1411	1.5	7.34	915	20.6		
1414	2.0	7.32	919	20.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: SLOW RECOVERY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-5 Date Monitored: 5.21.15
Well Diameter 2/4 in.
Total Depth 28.16 ft.
Depth to Water 15.03 ft. ☐ Check if water column is less then 0.50 ft.

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

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

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

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

Start Time (purge): — Weather Conditions: CLOUDY
Sample Time/Date: 0945 / 5.21.15 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? — If yes, Time: Volume: gal. DTW @ Sampling: 15.03

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: UNABLE TO ACCESS WITH TRUCK, VERY STEEP HILL TO ACCESS THIS WELL. NO PURGE SAMPLE TAKEN.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5.21.15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID MW-6

Well Diameter (2)/ 4 in.

Total Depth 28.86 ft.

Depth to Water 14.08 ft.

Date Monitored: 5.21.15

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.

14.78 xVF .17 = 2.51 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.03

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1100 Weather Conditions: Cloudy

Sample Time/Date: 1125 / 5.21.15 Water Color: CLEAR Odor: Y / (N)

Approx. Flow Rate: — gpm. Sediment Description: NONE

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 14.86

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1105	2.5	7.58	651	20.1		
1110	5.0	7.55	645	20.5		
1115	8.0	7.52	638	20.9		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-7 Date Monitored: 5.21.15
Well Diameter (2) 4 in.
Total Depth 28.19 ft.
Depth to Water 15.40 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.

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

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

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

Sampling Equipment:
Disposable Bailer ✓
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

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

Start Time (purge): — Weather Conditions: CLOUDY
Sample Time/Date: 1000 /5.21.15 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? — If yes, Time: Volume: gal. DTW @ Sampling: 15.40

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: UNABLE TO ACCESS WITH TRUCK, VERY STEEP HILL TO ACCESS THIS WELL. NO PURGE SAMPLE TAKEN.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5.21.15 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-8 | Date Monitored: 5.21.15
Well Diameter: (2) / 4 in.
Total Depth: 41.77 ft.
Depth to Water: 31.98 ft.

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

☐ Check if water column is less then 0.50 ft.

9.79 xVF .17 = 1.66 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.93

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1155 | Weather Conditions: CLOUDY
Sample Time/Date: 1215 / 5.21.15 | Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. | Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 32.57

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ((µS) mS µmhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1158	1.5	7.51	712	19.8		
1201	3.0	7.48	706	20.2		
1205	5.0	7.45	700	20.8	✓	✓

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5-21-15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID MW-9 Date Monitored: 5-21-15

Well Diameter (2)/4 in.

Total Depth 40.69 ft.

Depth to Water 31.51 ft.

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

☐ Check if water column is less then 0.50 ft.

9.18 xVF .17 = 1.56 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.34

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1430 Weather Conditions: CLOUDY

Sample Time/Date: 1450 / 5.21.15 Water Color: GRAY Odor: Y / N STRONG

Approx. Flow Rate: — gpm. Sediment Description: SILTY

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1433	1.5	7.27	1121	21.4		
1436	3.0	7.24	1129	21.7		
1440	5.0	7.23	1136	22.0		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5/21/15 (inclusive)

City: **Tracy, CA** Sampler: GRM

Well ID **MW-10**

Well Diameter (2) 4 in.

Initial Depth to Water 31.68 ft.

Initial Product Depth 30.39 ft.

Depth to SPH (5 Mins) 30.39 ft.

Depth to SPH (10 Mins) 30.39 ft.

Date Monitored: 5/21/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

EON Disposable Bailer X

Weather Conditions: WINDY

Water Color: CLEAR

Odor: (Y) / N STRONG

Time Started: 1005 (2400 hrs)

Time Completed: 1040 (2400 hrs)

Depth to ~~Product~~ WATER: 31.68 ft

Depth to ~~Water~~ PRODUCT: 30.39 ft

Hydrocarbon Thickness: 1.29 ft

Visual Confirmation/Description: BROWN / OILY

Amt Removed from Well: 4 ltr

Water Removed: 1 ltr

Product Transferred to: DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1041	30.74	30.75
1042	30.74	30.76
1043	30.74	30.77
1044	30.73	30.78
1045	30.72	30.79
1046	30.72	30.80
1047	30.71	30.80
1048	30.70	30.81
1049	30.69	30.81
1050	30.68	30.82

Time (2400 hr.)	Depth to Product	Depth to Water
1051	30.67	30.82
1052	30.66	30.83
1053	30.65	30.84
1054	30.64	30.85
1055	30.64	30.85
1100	30.62	30.89
1110	30.61	30.96
1125	30.58	30.99
1140	30.57	31.03

COMMENTS: INITIAL PID READING: 2.6 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5/21/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-11
Well Diameter: (2) 4 in.
Initial Depth to Water: 30.98 ft.
Initial Product Depth: 30.93 ft.
Depth to SPH (5 Mins): 30.93 ft.
Depth to SPH (10 Mins): 30.93 ft.

Date Monitored: 5/21/15

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.

Time Started: 1210 (2400 hrs)
Time Completed: 1215 (2400 hrs)
Depth to Product: 30.93 ft
Depth to Water: 30.98 ft
Hydrocarbon Thickness: 0.05 ft
Visual Confirmation/Description: BROWN | OILY
Amt Removed from Well: 0.2 ltr
Water Removed: 0.1 ltr
Product Transferred to: DRUM

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: WINDY
Water Color: CLEAR
Odor: (Y) / N: STRONG

Time (2400 hr.)	Depth to Product	Depth to Water
1216	NA	30.97
1217	NA	30.97
1218	NA	30.96
1219	NA	30.96
1220	NA	30.96
1221	NA	30.95
1222	30.95	30.96
1223	30.94	30.95
1224	30.94	30.99
1225	30.94	30.95

Time (2400 hr.)	Depth to Product	Depth to Water
1226	30.94	30.95
1227	30.93	30.94
1228	30.93	30.94
1229	30.93	30.95
1230	30.93	30.96
1235	30.93	30.96
1245	30.93	30.97
1300	30.93	30.98
1315	30.93	30.98

COMMENTS: INITIAL PID READING: 0.0 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-12
Well Diameter 2/4 in.
Total Depth 33.45 ft.
Depth to Water 31.58 ft.

Date Monitored: 5.21.15

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

☐ Check if water column is less then 0.50 ft.

1.87 xVF .17 = .31 x3 case volume = Estimated Purge Volume: 1.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.95

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1340 Weather Conditions: Cloudy
Sample Time/Date: 1615 /5.21.15 Water Color: Grey Odor: (Y) / N SLIGHT
Approx. Flow Rate: — gpm. Sediment Description: SILTY
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 31.82

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
1342	.25	7.36	885	19.7		
1344	.50	7.35	888	19.9		
1347	1.0	7.33	891	20.1		

LABORATORY INFORMATION

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

COMMENTS: SLOW RECOVERY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW13
Well Diameter 2 in.
Total Depth 41.64 ft.
Depth to Water 30.68 ft.

Date Monitored: 5.21.15

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

☐ Check if water column is less then 0.50 ft.

10.96 xVF .17 = 1.86 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.87

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1300 Weather Conditions: CLOUDY
Sample Time/Date: 1325 / 5.21.15 Water Color: LT. BRN. Odor: (Y) / N SLIGHT
Approx. Flow Rate: — gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 32.79

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1304	2.0	7.40	859	19.9		
1308	4.0	7.37	865	20.2		
1312	6.0	7.34	871	20.8		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW13	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-14
Well Diameter 2/4 in.
Total Depth 36.49 ft.
Depth to Water 31.25 ft.

Date Monitored: 5.21.15

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

☐ Check if water column is less then 0.50 ft.

5.24 xVF .17 = .89 x3 case volume = Estimated Purge Volume: 3.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.29

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1540 Weather Conditions: CLOUDY
Sample Time/Date: 1600 / 5-21-15 Water Color: GRY. Odor: Y / N STRONG
Approx. Flow Rate: ~ gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 32.25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1543	1.0	7.19	1231	21.1		
1546	2.0	7.16	1237	21.4		
1549	3.0	7.14	1242	21.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 5.21.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-15 Date Monitored: 5-21-15
Well Diameter 2/4 in.
Total Depth 39.22 ft.
Depth to Water 31.88 ft. ☐ Check if water column is less then 0.50 ft.

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

7.34 xVF .17 = 1.24 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.34

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1505 Weather Conditions: Cloudy
Sample Time/Date: 1525 / 5-21-15 Water Color: Gray Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. Sediment Description: Silty
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 33.30

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1508	1.5	7.15	1212	21.3		
1511	3.0	7.11	1219	21.7		
1514	4.0	7.09	1225	21.9		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 5.21.15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID MW-16 Date Monitored: 5.21.15

Well Diameter 2/4 in.

Total Depth 29.97 ft.

Depth to Water 17.41 ft. ☐ Check if water column is less then 0.50 ft.

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

12.56 xVF .17 = 2.13 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.92

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1020 Weather Conditions: CLOUDY

Sample Time/Date: 1042 / 5.21.15 Water Color: BROWN Odor: Y / (N)

Approx. Flow Rate: — gpm. Sediment Description: SILTY

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 17.87

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1024	2.0	7.68	671	19.6	PRE: 2.3	
1028	4.0	7.65	665	19.9		
1032	6.0	7.63	659	20.1		
					POST: 2.1	

LABORATORY INFORMATION

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

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

1 of 1

1 Client Information

Facility # SS#9-7127-OML G-R#385251 Global ID#T0600102298 WBS
Site Address I-580 AND GRANT LINE ROAD, TRACY, CA
Chevron PM CM ARCADISTR Lead Consultant Russi
Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com
Consultant Phone # (925) 551-7444 x180
Sampler FRANK TENNYSON

SCR #: _____

- ☐ Results in Dry Weight
- ☐ 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

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	4 Matrix: Soil	Water	Oil	Sediment	Potable	NPDES	Ground	Surface	Air	Total Number of Containers	5 Analyses Requested: BTEX + MTBE 8260	BTEX + MTBE 8021	TPH-GRO 8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		5.21.15					W								2	X		X							
MW-2			1245	X											6	X		X							
MW-4			1630	X																					
MW-5			0945	X																					
MW-6			1125	X																					
MW-7		1000	[redacted]	X																					
MW-8			1215	X																					
MW-9			1450	X																					
MW-12			1615	X																					
MW-13			1325	X																					
MW-14			1600	X																					
MW-15			1525	X																					
MW-16		↓	1042	X			↓								↓	↓		↓							

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day
72 hour | 48 hour | 24 hour | EDF/EDD

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5.22.15	1130	[signature]	5/22/15	1130
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____			Received by	Date	Time
Temperature Upon Receipt _____ °C			Custody Seals Intact? Yes No		

8 Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)
Other: _____

GETTLER-RYAN INC.

TRANSMITTAL

September 18, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi Annual Event of September 9, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-7127
Site Address: I-580 And Grant Line Road
City: Tracy, CA

Job #: 385251
Event Date: 9/9/16
Sampler: JD

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	ok	N/A			ok			N	N	Stove Pipe	N
MW-3	ok	N/A			ok						
MW-10	ok	N/A			ok						
MW-11	ok	N/A			ok						
MW-2	ok	N/A			ok						
MW-5	ok	N/A			ok						
MW-7	ok	N/A			ok						
MW-16	ok	N/A			ok						
MW-8	ok	N/A			ok						
MW-9	ok	N/A			ok						
MW-12	ok	N/A			ok						
MW-13	ok	N/A			ok						
MW-14	ok	N/A			ok						
MW-15	ok	N/A			ok						
MW-4	ok			2x5	ok					12" emcos	
MW-6	ok			2x5	ok						

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-1 Date Monitored: 9/9/15
Well Diameter 2 (4) in.
Total Depth 39.44 ft.
Depth to Water 33.19 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.

6.25 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: 30.85 ft
Depth to Water: 33.19 ft
Hydrocarbon Thickness: 2.34 ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ ltr
Amt Removed from Well: ____ ltr
Water Removed: ____ ltr

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

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

LABORATORY INFORMATION

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

COMMENTS: Split

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JW

Well ID MW-2 Date Monitored: 9/9/15
Well Diameter (2)4 in.
Total Depth 40.05 ft.
Depth to Water 29.54 ft.

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

☐ Check if water column is less then 0.50 ft.

10.51 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

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

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

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

LABORATORY INFORMATION

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

COMMENTS: MW-2

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID: MW-3 Date Monitored: 9/9/15
Well Diameter: (2) 4 in.
Total Depth: 40.05 ft.
Depth to Water: 31.61 ft. ☐ Check if water column is less then 0.50 ft.

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

8.44 xVF .17 = 1.43 x3 case volume = Estimated Purge Volume: 4.30 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.29

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

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

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

Start Time (purge): 1035 Weather Conditions: Clear
Sample Time/Date: 1115 / 9/9/15 Water Color: Cloudy Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. Sediment Description: LoHr
Did well de-water? No If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 33.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1040	1.5	7.35	1268	21.2	PRE:	
1045	3.0	7.30	1260	21.1		
1050	4.5	7.23	1247	21.0		
					POST:	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-4 Date Monitored: 9/9/15
Well Diameter 2 in. | Volume Factor (VF): 3/4"= 0.02, 1"= 0.04, 2"= 0.17, 3"= 0.38, 4"= 0.66, 5"= 1.02, 6"= 1.50, 12"= 5.80
Total Depth 31.68 ft.
Depth to Water 28.80 ft. ☐ Check if water column is less then 0.50 ft.
2.88 xVF .17 = .48 x3 case volume = Estimated Purge Volume: 1.46 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.37

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

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

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

Start Time (purge): 0605 Weather Conditions: DARK/ Clear
Sample Time/Date: 1600 / 9/9/15 Water Color: Cloudy Odor: (Y) / N 1.2 HR
Approx. Flow Rate: — gpm. Sediment Description: 1.2 HR
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 29.31

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0609	.5	7.51	1006	20.9	PRE:	
0613	1.0	7.47	1013	20.8		
0617	1.5	7.43	7022	20.8		
					POST:	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: Slow Recovery

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-5 Date Monitored: 9/9/15
Well Diameter (2) 4 in.
Total Depth 28.16 ft.
Depth to Water 15.48 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.

12.68 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

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

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

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

LABORATORY INFORMATION

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

COMMENTS: MW

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Lock: ___ Add/Replaced Plug: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-6 Date Monitored: 9/9/15
Well Diameter 0.14 in.
Total Depth 28.86 ft.
Depth to Water 14.71 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.

14.15 xVF .17 = 2.40 x3 case volume = Estimated Purge Volume: 7.21 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.54

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr

Start Time (purge): 1330 Weather Conditions: Clear
Sample Time/Date: 1415 / 9/9/15 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: None
Did well de-water? NM If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 15.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1338	2.5	7.41	710	21.3	PRE:	
1345	5.0	7.33	723	21.2		
1353	7.5	7.26	729	21.1		
					POST:	

LABORATORY INFORMATION

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

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-7 Date Monitored: 9/9/15
Well Diameter 2 in.
Total Depth 28.15 ft.
Depth to Water 15.77 ft.

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

☐ Check if water column is less then 0.50 ft.

12.42 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

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

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

LABORATORY INFORMATION

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

COMMENTS: MW

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Lock: ___ Add/Replaced Plug: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-8 | Date Monitored: 9/9/15
Well Diameter: 2 (4) in.
Total Depth: 41.77 ft.
Depth to Water: 32.48 ft.

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

☐ Check if water column is less then 0.50 ft.

9.29 xVF .17 = 1.57 x3 case volume = Estimated Purge Volume: 4.73 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 34.33

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: _____ ltr
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr

Start Time (purge): 0635 | Weather Conditions: DARK / Clear
Sample Time/Date: 0715 / 9/9/15 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: None
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 33.91

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0640	1.5	7.75	772	20.8	PRE:	
0645	3.0	7.68	765	20.7		
0651	5.0	7.60	760	20.6		
					POST:	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-9 Date Monitored: 9/9/15
Well Diameter (2)4 in.
Total Depth 40.69 ft.
Depth to Water 32.05 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.

8.64 xVF .17 = 1.46 x3 case volume = Estimated Purge Volume: 4.40 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.77

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 0735 Weather Conditions: Clear
Sample Time/Date: 0810 / 9/9/15 Water Color: Cloudy Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. Sediment Description: 1.5 ft
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 33.41

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0740	1.5	7.38	1170	21.1	PRE:	
0745	3.0	7.32	1164	21.0		
0750	4.5	7.30	1152	20.8		
					POST:	

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-10 | Date Monitored: 9/9/15
Well Diameter: (2) 4 in.
Total Depth: 40.44 ft.
Depth to Water: 32.72 ft.
7.72 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

☐ Check if water column is less then 0.50 ft.

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

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

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump ✓
- QED Bladder Pump
- Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: 30.80 ft
Depth to Water: 32.72 ft
Hydrocarbon Thickness: 1.92 ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH

Add/Replaced Gasket: ___ Add/Replaced Bolt: ___ Add/Replaced Lock: ___ Add/Replaced Plug: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-11 | Date Monitored: 9/9/15
Well Diameter: (2) 4 in.
Total Depth: 37.74 ft.
Depth to Water: 31.58 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.

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

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

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

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: — (2400 hrs)
Time Completed: — (2400 hrs)
Depth to Product: 30.52 ft
Depth to Water: 31.58 ft
Hydrocarbon Thickness: 1.06 ft
Visual Confirmation/Description: —
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-12 | Date Monitored: 9/9/15
Well Diameter: (2) 4 in.
Total Depth: 35.45 ft.
Depth to Water: 31.20 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.

4.25 xVF .17 = .72 x3 case volume = Estimated Purge Volume: 2.16 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.05

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1235 | Weather Conditions: Clear
Sample Time/Date: 1620 / 9/9/15 | Water Color: Cloudy | Odor: (Y) / N | Strong
Approx. Flow Rate: — gpm. | Sediment Description: 1.5 ft
Did well de-water? No | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 32.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1238	1	7.58	975	21.4	PRE:	
1242	1.5	7.50	961	21.2		
1246	2	7.31	942	21.2		
					POST:	

LABORATORY INFORMATION

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

COMMENTS: Slow Recovery

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-13 | Date Monitored: 9/9/15
Well Diameter: (2)4 in.
Total Depth: 41.64 ft.
Depth to Water: 30.68 ft.

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

☐ Check if water column is less then 0.50 ft.

10.96 xVF .17 = 1.86 x3 case volume = Estimated Purge Volume: 5.58 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.88

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1135 | Weather Conditions: Clear
Sample Time/Date: 1215 / 9/9/15 | Water Color: Cloudy | Odor: (Y) N Strong
Approx. Flow Rate: — gpm. | Sediment Description: 1.5 Ft
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 32.76

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1140	2	7.49	907	22.1	PRE:	
1145	4	7.40	896	22.0		
1150	5.5	7.31	884	21.9		
					POST:	

LABORATORY INFORMATION

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

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: SH

Well ID: MW-14 | Date Monitored: 9/9/15
Well Diameter: (2) 4 in.
Total Depth: 36.49 ft.
Depth to Water: 31.81 ft.

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

☐ Check if water column is less then 0.50 ft.

4.68 xVF .17 = .79 x3 case volume = Estimated Purge Volume: 2.38 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.74

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0935 | Weather Conditions: Clear
Sample Time/Date: 1015 / 9/9/15 | Water Color: cloudy | Odor: (Y) / N | Strong
Approx. Flow Rate: — gpm. | Sediment Description: 1.5 ft
Did well de-water? No | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 32.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0939	1	7.22	1407	21.1	PRE:	
0943	1.5	7.20	1396	21.3		
0947	2.5	7.14	1390	21.2		
					POST:	

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 9/9/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-15 Date Monitored: 9/9/15
Well Diameter (2) 4 in.
Total Depth 39.22 ft.
Depth to Water 32.45 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.

6.77 xVF .17 = 1.15 x3 case volume = Estimated Purge Volume: 3.45 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.80

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		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: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 0835 Weather Conditions: Clear
Sample Time/Date: 0915 / 9/9/15 Water Color: Cloudy Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. Sediment Description: 1.5 HS
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 33.61

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0840	1	7.36	1370	21.2	PRE:	
0845	2.5	7.29	1352	21.1		
0850	3.5	7.21	1329	21.0		
					POST:	

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 9/9/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-16 | Date Monitored: 9/9/15
Well Diameter: (2)4 in.
Total Depth: 29.97 ft.
Depth to Water: 17.92 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.

12.05 xVF .17 = 2.04 x3 case volume = Estimated Purge Volume: 6.14 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.33

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1440 | Weather Conditions: Clear
Sample Time/Date: 1530 / 9/9/15 | Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: Silt
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 19.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1445	2	7.70	756	21.3	PRE: 2.0	
1450	4	7.62	739	21.1		
1457	6.5	7.43	725	20.9		
					POST: 2.2	

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

For Eurofins Lancaster Laboratories use only
Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

SCR #: _____

(1) Client Information

Facility #: S#9-7127-OML G-R#385251 Global ID: T0600102298
Site Address: LONE AND GRANT LINE ROAD, TRACY, CA
Chevron PM: CW STANTECWB Lead Consultant: Westhoff
Consultant Name: Getter Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr: Deanna L. Harding, deanna@grinc.com
Consultant Phone #: (925) 551-7444 x180
Sampler: Jim Herrow

(2) Sample Identification

Sample Identification	Soil Depth	Collected Date	Collected Time	(3) Grab	(3) Composite	(4) Matrix: Soil	Water	Oil	Total Number of Containers	(5) BTEX + MTBE 8260	TPH-GRO 8260	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		9/9/15		X			X		2	X	X						
MW-3			1115						6								
MW-4			1600														
MW-6			1115														
MW-8			0715														
MW-9			0810														
MW-12			1620														
MW-13			1215														
MW-14			1015														
MW-15			0915														
MW-16			1530														

Matrix: ☐ Sediment ☒ Ground ☐ Surface ☐ Soil ☐ Potable ☐ NPDES ☐ Air ☐ Oil ☐ Water

Analyses Requested: ☒ 8260 ☐ 8021 ☒ 8260 ☐ 8015 ☐ TPH-DRO 8015 without Silica Gel Cleanup ☐ TPH-DRO 8015 with Silica Gel Cleanup

☐ Results in Dry Weight
☐ 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

(6) Remarks

(7) Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour | EDF/EDD

Relinquished by	Date	Time	Received by	Date	Time
	9/10/15			9/10/15	1430
Relinquished by	Date	Time	Received by	Date	Time

(8) Data Package (circle if required)

Type I - Full
Type VI (Raw Data)

EDD (circle if required)
EDFFLAT (default)
Other: _____

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Received by | Date | Time

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

GETTLER-RYAN INC.

TRANSMITTAL

April 20, 2015
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
101 Creekside Ridge, Ste. 200
Roseville, California 95678

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of April 10, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-7127**

Site Address: **I-580 And Grant Line Road**

City: **Tracy, CA**

Job #: **385251**

Event Date: 4/10/15

Sampler: JW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	—	—	OK	—	—	—	N	Y	Stove Pipe	N
MW-3	OK	—	—	OK	—	—	—				
MW-10	OK	—	—	OK	—	—	—				
MW-11	OK	—	—	OK	—	—	—				

Comments ***Drum measurement before bailing:*** empty ***Drum measurement after bailing:*** 9 Gallons

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 4/10/15 (inclusive)
City: Tracy, CA Sampler: SH

Well ID MW-1
Well Diameter 2/(4) in.
Initial Depth to Water 31.76 ft.
Initial Product Depth 30.38 ft.
Depth to SPH (5 Mins) 30.38 ft.
Depth to SPH (10 Mins) 30.38 ft.

Date Monitored: 4/10/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer (3)

Weather Conditions: clear
Water Color: ~~Yellow~~ Clear
Odor: (Y) / N

Time Started: 1140 (2400 hrs)
Time Completed: 1200 (2400 hrs)
Depth to Product: 30.38 ft
Depth to Water: 31.76 ft
Hydrocarbon Thickness: 1.38 ft
Visual Confirmation/Description: Yellow-ish
Amt Removed from Well: 22.0 ltr
Water Removed: 6.5 ltr
Product Transferred to: onsite Drum

Time (2400 hr.)	Depth to Product	Depth to Water
1201	30.60	30.64
1202	30.60	30.67
1203	30.60	30.72
1204	30.58	30.81
1205	30.85	30.94
1206	30.54	30.99
1207	30.53	31.01
1208	30.52	31.05
1209	30.51	31.08
1210	30.50	31.15

Time (2400 hr.)	Depth to Product	Depth to Water
1211	30.50	31.21
1212	30.49	31.29
1213	30.49	31.32
1214	30.49	31.35
1215	30.48	31.41
1220	30.48	31.46
1230	30.48	31.45
1245	30.47	31.50
1300	30.47	31.54

COMMENTS: INITIAL PID READING: 1.7 ppm
(3) Absorbent Pad used

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4/10/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-3
Well Diameter: (2) 4 in.
Initial Depth to Water: 30.50 ft.
Initial Product Depth: N/A ft.
Depth to SPH (5 Mins): ↓ ft.
Depth to SPH (10 Mins): ↓ ft.

Date Monitored: 4/10/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: —

Weather Conditions: Clear
Water Color: —
Odor: Y / (N) —

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: — ft
Depth to Water: 30.50 ft
Hydrocarbon Thickness: N/A ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water

Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: PID Reading: 0.0 ppm NO SPH

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4/10/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-10 | Date Monitored: 4/10/15
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.49 ft.
Initial Product Depth: 30.26 ft.
Depth to SPH (5 Mins): 30.28 ft.
Depth to SPH (10 Mins): 30.28 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.

Purge Equipment:
EON Disposable Bailer: (1)

Weather Conditions: Clear
Water Color: Clear
Odor: (Y) / N

Time Started: 1010 (2400 hrs)
Time Completed: 1030 (2400 hrs)
Depth to Product: 30.28 ft
Depth to Water: 31.49 ft
Hydrocarbon Thickness: 1.21 ft
Visual Confirmation/Description: Yellow silt
Amt Removed from Well: 2.5 [redacted] ltr
Water Removed: 1L [redacted] ltr
Product Transferred to: On Site Drum

Time (2400 hr.)	Depth to Product	Depth to Water
1031	N/A	30.92
1032	↓	30.90
1033		30.90
1034		30.87
1035		30.86
1036		30.84
1037		30.82
1038	↓	30.79
1039	30.74	30.75
1040	30.76	30.73

Time (2400 hr.)	Depth to Product	Depth to Water
1041	30.64	30.74
1042	30.60	30.76
1043	30.52	30.77
1044	30.51	30.78
1045	30.50	30.81
1050	30.49	30.85
1160	30.48	30.87
1015	30.48	30.89
1120	30.48	30.90

COMMENTS: PID Reading = 0.6 ppm
(1) Absorbent Pad Used

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4|10|15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-11 | Date Monitored: 4|10|15
Well Diameter: (2)/ 4 in.
Initial Depth to Water: 30.86 ft.
Initial Product Depth: 30.81 ft.
Depth to SPH (5 Mins): 30.80 ft.
Depth to SPH (10 Mins): 30.80 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.

Purge Equipment:
EON Disposable Bailer: (1)

Weather Conditions: Clear
Water Color: Clear
Odor: (Y) / N

Time Started: 0850 (2400 hrs)
Time Completed: 0900 (2400 hrs)
Depth to Product: 30.80 ft
Depth to Water: 30.86 ft
Hydrocarbon Thickness: .06 ft
Visual Confirmation/Description: Yellowish
Amt Removed from Well: 500 ml ltr
Water Removed: 1L
Product Transferred to: on site DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
0900	N/A	30.05
0902		31.04
0903		31.01
0904		30.98
0905		30.97
0906		30.95
0907		30.92
0908		30.90
0909		30.90
0910		30.89

Time (2400 hr.)	Depth to Product	Depth to Water
0911	N/A	30.87
0912	↓	30.84
0913	30.82	30.83
0914	30.82	30.83
0918	30.81	30.83
0920	30.81	30.84
0930	30.81	30.84
0945	30.81	30.84
1000	30.81	30.84

COMMENTS: PID Reading : 0.0 ppm
(1) Absorbent pad used

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

GETTLER-RYAN INC.

TRANSMITTAL

May 1, 2015
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
101 Creekside Ridge, Ste. 200
Roseville, California 95678

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of April 24, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-7127
Site Address: I-580 And Grant Line Road
City: Tracy, CA

Job #: 385251
Event Date: 4-24-15
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y/(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y(N)
MW-3	OK	NA	→	→	OK	→	→	↓	↓	STOVEPIPE	
MW-1	OK	NA	→	→	OK	→	→			↓	
MW-10	OK	NA	→	→	OK	→	→				
MW-11	OK	NA	→	→	OK	→	→				

Comments THERE WAS 9 GALS. IN THE HOLDING DRUM BEFORE BAILING SPH & WATER AND ≈ 19 GALS. AFTER BAILING SPH & WATER.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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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.

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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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4.24.15 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-1
Well Diameter: 2/(4) in.
Initial Depth to Water: 31.96 ft.
Initial Product Depth: 30.46 ft.
Depth to SPH (5 Mins): 30.46 ft.
Depth to SPH (10 Mins): 30.46 ft.

Date Monitored: 4.24.15

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.

Time Started: 1515 (2400 hrs)
Time Completed: 1615 (2400 hrs)
Depth to Product: 30.46 ft
Depth to Water: 31.96 ft
Hydrocarbon Thickness: 1.50 ft
Visual Confirmation/Description: Yes / AMBER
Amt Removed from Well: 8.5 ltr
Water Removed: 19.0 ltr
Product Transferred to: ON-SITE DRUM

Purge Equipment:
EON Disposable Bailer: 3

Weather Conditions: SUNNY
Water Color: AMBER
Odor: (Y) / N STRONG

Time (2400 hr.)	Depth to Product	Depth to Water
1625	30.63	31.31
1626	30.61	31.36
1627	30.61	31.39
1628	30.60	31.42
1629	"	31.45
1630	"	31.46
1631	"	31.46
1632	30.59	31.47
1633	"	31.47
1634	"	31.48

Time (2400 hr.)	Depth to Product	Depth to Water
1635	30.58	31.49
1636	30.58	31.51
1637	"	31.52
1638	"	31.53
1639	30.57	31.55
1640	30.57	31.57
1645	30.55	31.59
1655	30.52	31.68
1710	30.49	31.75
1725	30.44	31.81

COMMENTS: VOC READING: 1.4 ppm

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 4.24.15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID MW-3

Well Diameter (2) 4 in.

Initial Depth to Water 30.93 ft.

Initial Product Depth Ø ft.

Depth to SPH (5 Mins) Ø ft.

Depth to SPH (10 Mins) Ø ft.

Date Monitored: 4-24-15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

EON Disposable Bailer

Weather Conditions:

Water Color:

Odor: **Y / N**

Time Started: _____ (2400 hrs)

Time Completed: _____ (2400 hrs)

Depth to Product: _____ ft

Depth to Water: _____ ft

Hydrocarbon Thickness: _____ ft

Visual Confirmation/Description: _____

Amt Removed from Well: _____ ltr

Water Removed: _____ ltr

Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water

Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: VOC: Ø PPM (NO SPH PRESENT)

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4.24.15 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-10
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.61 ft.
Initial Product Depth: 30.37 ft.
Depth to SPH (5 Mins): 30.37 ft.
Depth to SPH (10 Mins): 30.38 ft.

Date Monitored: 4.24.15

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.

Time Started: 1300 (2400 hrs)
Time Completed: 1340 (2400 hrs)
Depth to Product: 30.38 ft
Depth to Water: 31.61 ft
Hydrocarbon Thickness: 1.23 ft
Visual Confirmation/Description: Yes | AMBER
Amt Removed from Well: 1.5 ltr
Water Removed: 6.0 ltr
Product Transferred to: ON-SITE DRUM

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: SUNNY
Water Color: AMBER
Odor: (Y) / N STRONG

Time (2400 hr.)	Depth to Product	Depth to Water
1350	30.58	30.88
1351	"	30.90
1352	"	"
1353	"	"
1354	30.57	30.91
1355	"	"
1356	"	30.92
1357	30.56	"
1358	"	"
1359	"	30.93
1400	"	"
1401	30.55	"
1402	"	30.95
1403	"	30.95
1404	30.54	30.96
1405	"	"
1410	30.53	"
1420	30.52	30.97
1435	"	30.99
1450	"	31.00

COMMENTS: VOC READING: .80 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 4.24.15 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-11
Well Diameter: (2)/4 in.
Initial Depth to Water: 30.96 ft.
Initial Product Depth: 30.90 ft.
Depth to SPH (5 Mins): 30.90 ft.
Depth to SPH (10 Mins): 30.90 ft.

Date Monitored: 4.24.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: SUNNY
Water Color: AMBER
Odor: (Y) / N: STRONG

Time Started: 1100 (2400 hrs)
Time Completed: 1110 (2400 hrs)
Depth to Product: 30.90 ft
Depth to Water: 30.96 ft
Hydrocarbon Thickness: .06 ft
Visual Confirmation/Description: Yes | AMBER
Amt Removed from Well: 100 ml ltr
Water Removed: 2 ltr
Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1130	30.90	30.93
1131	30.90	30.93
1132	30.90	30.93
1133	30.90	30.93
1134	30.90	30.93
1135	30.90	30.93
1136	30.90	30.93
1137	30.90	30.94
1138	30.90	30.94
1139	30.90	30.94

Time (2400 hr.)	Depth to Product	Depth to Water
1140	30.90	30.94
1141	30.90	30.94
1142	30.90	30.95
1143	30.90	30.95
1144	30.90	30.95
1145	30.90	30.95
1150	30.90	30.96
1200	30.90	30.96
1215	30.90	30.96
1230	30.90	30.96

COMMENTS: VOC READING: 0 PPM

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

GETTLER-RYAN INC.

TRANSMITTAL

May 18, 2015
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
101 Creekside Ridge, Ste. 200
Roseville, California 95678

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of May 8, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-7127**

Site Address: **I-580 And Grant Line Road**

City: **Tracy, CA**

Job #: **385251**

Event Date: 5/8/15

Sampler: JH

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	N/A	—	—	OK	—	—	N	N	Stove Pipe	N
MW-3	OK	N/A	—	—	OK	—	—				
MW-10	OK	N/A	—	—	OK	—	—				
MW-11	OK	N/A	—	—	OK	—	—				

Comments ***Drum measurement before bailing:*** 27 Gal ***Drum measurement after bailing:*** 39 Gal

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5/8/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-1 | Date Monitored: 5/8/15
Well Diameter: 2 (4) in.
Initial Depth to Water: 32.05 ft.
Initial Product Depth: 30.51 ft.
Depth to SPH (5 Mins): 30.51 ft.
Depth to SPH (10 Mins): 30.51 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.

Purge Equipment:
EON Disposable Bailer: 3

Weather Conditions: clear
Water Color: clear
Odor: (Y) / N: strong

Time Started: 1105 (2400 hrs)
Time Completed: 1205 (2400 hrs)
Depth to Product: 30.51 ft
Depth to Water: 32.05 ft
Hydrocarbon Thickness: 1.54 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 24 ltr
Water Removed: 16 ltr
Product Transferred to: on site Drum

Time (2400 hr.)	Depth to Product	Depth to Water
1206	30.96	31.20
1207	30.92	31.25
1208	30.90	31.28
1209	30.87	31.30
1210	30.86	31.37
1211	30.80	31.39
1212	30.78	31.44
1213	30.76	31.47
1214	30.75	31.49
1215	30.72	31.53

Time (2400 hr.)	Depth to Product	Depth to Water
1216	30.70	31.56
1217	30.66	31.58
1218	30.64	31.60
1219	30.62	31.63
1220	30.60	31.70
1225	30.59	31.77
1235	30.55	31.82
1250	30.53	31.85
1305	30.53	31.89

COMMENTS: INITIAL PID READING: 0 ppm

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5/8/15 (inclusive)
City: Tracy, CA | Sampler: SH

Well ID: MW-3
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.05 ft.
Initial Product Depth: — ft.
Depth to SPH (5 Mins): — ft.
Depth to SPH (10 Mins): — ft.

Date Monitored: 5/8/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer

Weather Conditions:
Water Color:
Odor: Y / N

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water	Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: INITIAL PID READING: 0 PPM NO SPH

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5/8/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-10
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.66 ft.
Initial Product Depth: 30.40 ft.
Depth to SPH (5 Mins): 30.40 ft.
Depth to SPH (10 Mins): 30.40 ft.

Date Monitored: 5/8/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: Clear
Water Color: Clear
Odor: (Y) / N Strong

Time Started: 0930 (2400 hrs)
Time Completed: 0950 (2400 hrs)
Depth to Product: 30.40 ft
Depth to Water: 31.66 ft
Hydrocarbon Thickness: 1.26 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 1 ltr
Water Removed: 2 ltr
Product Transferred to: on-site Drum

Time (2400 hr.)	Depth to Product	Depth to Water
0951	30.66	30.95
0952	30.65	31.00
0953	30.64	31.00
0954	30.63	31.01
0955	30.62	31.01
0956	30.61	31.02
0957	30.61	31.02
0958	30.61	31.02
0959	30.60	31.03
1000	30.60	31.03

Time (2400 hr.)	Depth to Product	Depth to Water
1001	30.60	31.03
1002	30.60	31.04
1003	30.60	31.05
1004	30.60	31.05
1005	30.60	31.05
1010	30.60	31.10
1020	30.60	31.10
1035	30.60	31.10
1050	30.58	31.10

COMMENTS: INITIAL PID READING: 0 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 5/8/15 (inclusive)
City: Tracy, CA | Sampler: JA

Well ID: MW-11
Well Diameter: (2)4 in.
Initial Depth to Water: 31.01 ft.
Initial Product Depth: 30.94 ft.
Depth to SPH (5 Mins): 30.94 ft.
Depth to SPH (10 Mins): 30.94 ft.

Date Monitored: 5/8/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: Clear
Water Color: Clear
Odor: (Y)/ N: Strong

Time Started: 0810 (2400 hrs)
Time Completed: 0820 (2400 hrs)
Depth to Product: 30.94 ft
Depth to Water: 31.01 ft
Hydrocarbon Thickness: .07 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 500 [redacted] ml ltr
Water Removed: 1.00 ltr
Product Transferred to: on site Drum

Time (2400 hr.)	Depth to Product	Depth to Water
0821	Ø	31.24
0822	Ø	31.22
0823	Ø	31.21
0824	Ø	31.20
0825	Ø	31.19
0826	31.18	31.19
0827	31.15	31.18
0828	31.11	31.18
0829	31.10	31.18
0830	31.08	31.17

Time (2400 hr.)	Depth to Product	Depth to Water
0831	31.06	31.16
0832	31.05	31.14
0833	31.04	31.16
0834	31.02	31.09
0835	30.99	31.06
0840	30.97	31.04
0850	30.96	31.03
0905	30.96	31.03
0920	30.95	30.02

COMMENTS: INITIAL PID READING: Ø ppm

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

GETTLER-RYAN INC.

TRANSMITTAL

June 12, 2015
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
101 Creekside Ridge, Ste. 200
Roseville, California 95678

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of June 3, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-7127**
Site Address: **I-580 And Grant Line Road**
City: **Tracy, CA**

Job #: **385251**
Event Date: 6/3/15
Sampler: G. Medina

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	NA			OK			No	No	STOVE PIPE	
MW-3	OK	NA			OK						
MW-10	OK	NA			OK						
MW-11	OK	NA			OK						

Comments DRUM W/ SPH INT: 33" POST: 42"
DRUM W/ TRASH 30%.

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/3/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-1
Well Diameter: 2 (4) in.
Initial Depth to Water: 32.46 ft.
Initial Product Depth: 30.51 ft.
Depth to SPH (5 Mins): 30.51 ft.
Depth to SPH (10 Mins): 30.51 ft.

Date Monitored: 6/3/15

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.

Time Started: 0830 (2400 hrs)
Time Completed: 0920 (2400 hrs)
Depth to Product: 30.51 ft
Depth to Water: 32.46 ft
Hydrocarbon Thickness: 1.95 ft
Visual Confirmation/Description: BROWN OILY
Amt Removed from Well: 12 ltr
Water Removed: 4 ltr
Product Transferred to: Drum

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: SUNNY/WINDY
Water Color: CLEAR
Odor: (Y) / N STRONG

Time (2400 hr.)	Depth to Product	Depth to Water
0921	30.82	30.85
0922	30.82	30.87
0923	30.81	30.90
0924	30.81	30.93
0925	30.81	30.94
0926	30.80	30.96
0927	30.79	30.99
0928	30.79	31.02
0929	30.78	31.05
0930	30.77	31.07

Time (2400 hr.)	Depth to Product	Depth to Water
0931	30.76	31.09
0932	30.75	31.12
0933	30.73	31.14
0934	30.72	31.16
0935	30.71	31.18
0940	30.67	31.24
0950	30.60	31.45
1005	30.57	31.74
1020	30.56	32.01

COMMENTS: INITIAL PID READING: 4.5 ppm → 0.0 ppm

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 6/3/15 (inclusive)
City: Tracy, CA Sampler: GM

Well ID MW-3
Well Diameter (2)4 in.
Initial Depth to Water 31.06 ft.
Initial Product Depth NA ft.
Depth to SPH (5 Mins) NA ft.
Depth to SPH (10 Mins) NA ft.

Date Monitored: 6/3/15

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.

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Purge Equipment:
EON Disposable Bailer _____

Weather Conditions: _____
Water Color: _____
Odor: **Y / N** _____

Time (2400 hr.)	Depth to Product	Depth to Water	Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: **INITIAL PID READING:** 0.0 ppm to 0.0 ppm

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/3/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-10
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.71 ft.
Initial Product Depth: 30.47 ft.
Depth to SPH (5 Mins): 30.47 ft.
Depth to SPH (10 Mins): 30.47 ft.

Date Monitored: 6/3/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: SUNNY/WINDY
Water Color: CLEAR
Odor: (Y) N STRONG

Time Started: 0940 (2400 hrs)
Time Completed: 1020 (2400 hrs)
Depth to Product: 30.47 ft
Depth to Water: 31.71 ft
Hydrocarbon Thickness: 1.24 ft
Visual Confirmation/Description: BROWN OILY
Amt Removed from Well: 9 ltr
Water Removed: 3 ltr
Product Transferred to: DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1021	NA	31.19
1022	NA	31.18
1023	NA	31.16
1024	NA	31.15
1025	NA	31.14
1026	NA	31.13
1027	NA	31.11
1028	NA	31.10
1029	31.08	31.09
1030	31.08	31.10

Time (2400 hr.)	Depth to Product	Depth to Water
1031	31.06	31.10
1032	31.05	31.11
1033	31.03	31.10
1034	31.02	31.10
1035	31.00	31.11
1040	30.96	31.14
1050	30.90	31.20
1105	30.81	31.25
1120	30.70	31.29

COMMENTS: INITIAL PID READING: 2.3ppm → 0.0 ppm

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/3/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-11
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.04 ft.
Initial Product Depth: 30.99 ft.
Depth to SPH (5 Mins): 30.99 ft.
Depth to SPH (10 Mins): 30.99 ft.

Date Monitored: 6/3/15

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.

Time Started: 1200 (2400 hrs)
Time Completed: 1218 (2400 hrs)
Depth to Product: 30.99 ft
Depth to Water: 31.04 ft
Hydrocarbon Thickness: 0.05 ft
Visual Confirmation/Description: BROWN OILY
Amt Removed from Well: 0.1 ltr
Water Removed: 0.1 ltr
Product Transferred to:

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: WINDY
Water Color: CLEAR/MODERATE
Odor (Y) N

Time (2400 hr.)	Depth to Product	Depth to Water
1219	NA	31.05
1220	NA	31.05
1221	NA	31.04
1222	NA	31.04
1223	NA	31.04
1224	NA	31.03
1225	NA	31.03
1226	NA	31.03
1227	NA	31.02
1228	31.01	31.02

Time (2400 hr.)	Depth to Product	Depth to Water
1229	31.02	31.03
1230	31.01	31.03
1231	31.01	31.03
1232	31.00	31.03
1233	31.00	31.04
1238	31.00	31.04
1248	31.00	31.04
1303	30.99	31.04
1318	30.99	31.04

COMMENTS: INITIAL PID READING: 0.0 ppm → 0.0 ppm

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

GETTLER-RYAN INC.

TRANSMITTAL

June 26, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of June 19, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-7127
Site Address: I-580 And Grant Line Road
City: Tracy, CA

Job #: 385251
Event Date: 6/19/15
Sampler: G. MEDINA

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	NA	←	→	OK	←	→	NO	NO	STOVE PIPE	NO
MW-3	OK	NA	←	→	OK	←	→	↓	↓	↓	↓
MW-10	OK	NA	←	→	OK	←	→	↓	↓	↓	↓
MW-11	OK	NA	←	→	OK	←	→	↓	↓	↓	↓

Comments *Drum measurement before bailing:* 42" *Drum measurement after bailing:* 48.5"

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/19/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-1
Well Diameter: 2 (1/4) in.
Initial Depth to Water: 32.39 ft.
Initial Product Depth: 30.58 ft.
Depth to SPH (5 Mins): 30.58 ft.
Depth to SPH (10 Mins): 30.58 ft.

Date Monitored: 6/19/15

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.

Time Started: 0900 (2400 hrs)
Time Completed: 0952 (2400 hrs)
Depth to Product: 30.58 ft
Depth to Water: 32.39 ft
Hydrocarbon Thickness: 1.81 ft
Visual Confirmation/Description: BROWN / OILY
Amt Removed from Well: 11 ltr
Water Removed: 2 ltr
Product Transferred to: DRUM

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: SUNNY / WINDY
Water Color: CLEAR
Odor (Y) N: STRONG

Time (2400 hr.)	Depth to Product	Depth to Water
0953	30.97	31.24
0954	30.96	31.26
0955	30.95	31.28
0956	30.95	31.30
0957	30.94	31.33
0958	30.93	31.36
0959	30.92	31.39
0900	30.92	31.43
0901	30.91	31.46
0902	30.91	31.49

Time (2400 hr.)	Depth to Product	Depth to Water
1003	30.89	31.54
1004	30.87	31.56
1005	30.84	31.59
1006	30.83	31.62
1007	30.81	31.64
1012	30.79	31.75
1022	30.75	31.87
1032	30.71	31.99
1052	30.64	32.16

COMMENTS: PID: 4.6 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/19/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-3
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.18 ft.
Initial Product Depth: NA ft.
Depth to SPH (5 Mins): ft.
Depth to SPH (10 Mins): ft.

Date Monitored: 6/19/15

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.

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Purge Equipment:
EON Disposable Bailer: NA

Weather Conditions: Sunny/Windy
Water Color: NA
Odor: Y (N)

Time (2400 hr.)	Depth to Product	Depth to Water	Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: PID: 0.0 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/19/15 (inclusive)
City: Tracy, CA | Sampler: GM

Well ID: MW-10
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.93 ft.
Initial Product Depth: 30.52 ft.
Depth to SPH (5 Mins): 30.52 ft.
Depth to SPH (10 Mins): 30.52 ft.

Date Monitored: 6/19/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: SUNNY
Water Color: CLEAR
Odor: (Y) / N STRONG

Time Started: 1105 (2400 hrs)
Time Completed: 1125 (2400 hrs)
Depth to Product: 30.52 ft
Depth to Water: 31.93 ft
Hydrocarbon Thickness: 1.41 ft
Visual Confirmation/Description: YELLOW / OILY
Amt Removed from Well: 4.5 ltr
Water Removed: 1.5 ltr
Product Transferred to: DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1126	30.85	30.90
1127	30.85	30.92
1128	30.84	30.93
1129	30.83	30.95
1130	30.83	30.97
1131	30.82	30.99
1132	30.82	31.00
1133	30.81	31.02
1134	30.80	31.03
1135	30.80	31.06

Time (2400 hr.)	Depth to Product	Depth to Water
1136	30.79	31.09
1137	30.78	31.
1138	30.77	31.
1139	30.77	31.11
1140	30.77	31.11
1145	30.75	31.12
1155	30.74	31.13
1210	30.70	31.16
1225	30.66	31.18

COMMENTS: 100% PID: 30.0 → 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 6/19/15 (inclusive)
City: Tracy, CA | Sampler: GRM

Well ID: MW-11 | Date Monitored: 6/19/15
Well Diameter: (2)/4 in.
Initial Depth to Water: 31.18 ft.
Initial Product Depth: 31.10 ft.
Depth to SPH (5 Mins): 31.10 ft.
Depth to SPH (10 Mins): 31.10 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.

Purge Equipment:
EON Disposable Bailer: X

Weather Conditions: SUNNY/WINDY
Water Color: CLEAR
Odor: Y / N MODERATE

Time Started: 1235 (2400 hrs)
Time Completed: 1240 (2400 hrs)
Depth to Product: 31.10 ft
Depth to Water: 31.18 ft
Hydrocarbon Thickness: 0.08 ft
Visual Confirmation/Description: BROWN / OILY
Amt Removed from Well: 0.1 ltr
Water Removed: 0.1 ltr
Product Transferred to: DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1241	NA	31.15
1242	NA	31.14
1243	NA	31.14
1244	NA	31.13
1245	NA	31.12
1246	31.11	31.12
1247	31.11	31.12
1248	31.11	31.12
1249	31.11	31.12
1250	31.11	31.12

Time (2400 hr.)	Depth to Product	Depth to Water
1251	31.11	31.12
1252	31.11	31.12
1253	31.11	31.12
1254	31.11	31.12
1255	31.11	31.12
1300	31.11	31.13
1310	31.11	31.13
1325	31.11	31.13
1340	31.11	31.13

COMMENTS: PID: 0.0 → 0.0

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

GETTLER-RYAN INC.

TRANSMITTAL

July 13, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of July 2, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-7127

Site Address: I-580 And Grant Line Road

City: Tracy, CA

Job #: 385251

Event Date: 7/2/15

Sampler: SW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	ok	N/A	—	—	ok	—	—	Y	N	Stove Pipe	N
MW-3	ok	N/A	—	—	ok	—	—	Y	↓	↓	↓
MW-10	ok	N/A	—	—	ok	—	—	Y	↓	↓	↓
MW-11	ok	N/A	—	—	ok	—	—	Y	↓	↓	↓

Comments *Drum measurement before bailing:* 50 Gal *Drum measurement after bailing:* 55 Gal

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 7/2/15 (inclusive)
City: Tracy, CA Sampler: SH

Well ID MW-1 Date Monitored: 7/2/15
Well Diameter 2 (4) in.
Initial Depth to Water 32.55 ft.
Initial Product Depth 30.63 ft.
Depth to SPH (5 Mins) 30.63 ft.
Depth to SPH (10 Mins) 30.63 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.

Purge Equipment:
EON Disposable Bailer 3

Weather Conditions: Cloudy / Windy
Water Color: —
Odor: (Y) N Strong

Time Started: — (2400 hrs)
Time Completed: — (2400 hrs)
Depth to Product: 30.63 ft
Depth to Water: 32.55 ft
Hydrocarbon Thickness: 1.92 ft
Visual Confirmation/Description: —
Amt Removed from Well: — ltr
Water Removed: — ltr
Product Transferred to: —

Time (2400 hr.)	Depth to Product	Depth to Water	Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: INITIAL PID READING: 0
Unable to Bail SPH, Drum Full
GR Office advised 7/2/15

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: X Add/Replaced Plug: —

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 7/2/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-3 | Date Monitored: 7/2/15
Well Diameter: 2 | 4 in.
Initial Depth to Water: 31.26 ft.
Initial Product Depth: n/a ft.
Depth to SPH (5 Mins): ↓ ft.
Depth to SPH (10 Mins): ↓ 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.

Purge Equipment:
EON Disposable Bailer: —

Weather Conditions: cloudy / windy
Water Color:
Odor: Y / N

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: _____ ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water

Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: INITIAL PID READING: 0 PPM
NO SPH

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: X Add/Replaced Plug: —

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 7/2/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-10 | Date Monitored: 7/2/15
Well Diameter: (2) 4 in.
Initial Depth to Water: 32.04 ft.
Initial Product Depth: 30.58 ft.
Depth to SPH (5 Mins): 30.58 ft.
Depth to SPH (10 Mins): 30.58 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.

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: cloudy / windy
Water Color: —
Odor: (Y) / N: Hydrocarbon

Time Started: 0810 (2400 hrs)
Time Completed: 0825 (2400 hrs)
Depth to Product: 30.58 ft
Depth to Water: 32.04 ft
Hydrocarbon Thickness: 1.46 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 3.5 ltr
Water Removed: 9.0 ltr
Product Transferred to: Drum on site

Time (2400 hr.)	Depth to Product	Depth to Water
0826	—	33.16
0827	—	33.11
0828	—	33.10
0829	—	33.07
0830	—	33.01
0831	—	32.89
0832	32.77	32.83
0833	32.62	32.70
0834	32.41	32.62
0835	32.26	32.58
0836	31.98	32.37
0837	31.97	32.26
0838	31.66	32.09
0839	31.57	32.01
0840	31.43	31.90
0845	31.30	31.87
0855	31.13	31.68
0910	30.98	31.54
0925	30.80	31.50

COMMENTS: INITIAL PID READING: 0 ppm

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: X Add/Replaced Plug: —

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 7/2/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-11
Well Diameter (2) 4 in.
Initial Depth to Water 31.25 ft.
Initial Product Depth 31.18 ft.
Depth to SPH (5 Mins) 31.18 ft.
Depth to SPH (10 Mins) 31.18 ft.

Date Monitored: 7/2/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer 1

Weather Conditions: cloudy / windy
Water Color: —
Odor: (Y) N Light

Time Started: 0705 (2400 hrs)
Time Completed: 0710 (2400 hrs)
Depth to Product: 31.18 ft
Depth to Water: 31.25 ft
Hydrocarbon Thickness: .07 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 200 ml ltr
Water Removed: 2L [redacted]
Product Transferred to: on site Drum

Time (2400 hr.)	Depth to Product	Depth to Water
0711	—	31.96
0712	—	31.90
0713	—	31.87
0714	—	31.86
0715	—	31.80
0716	—	31.76
0717	—	31.72
0718	—	31.66
0719	—	31.61
0720	—	31.55

Time (2400 hr.)	Depth to Product	Depth to Water
0721	—	31.52
0722	—	31.47
0723	—	31.43
0724	—	31.40
0725	—	31.36
0730	—	31.34
0740	—	31.33
0755	—	31.29
0810	—	31.22
	—	[redacted]

COMMENTS: INITIAL PID READING: 0 ppm

Add/Replaced Gasket: _____ Add/Replaced Bolt: _____ Add/Replaced Lock: X Add/Replaced Plug: —

GETTLER-RYAN INC.

TRANSMITTAL

July 28, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of July 17, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-7127**
Site Address: **I-580 And Grant Line Road**
City: **Tracy, CA**

Job #: **385251**
Event Date: 7.17.15
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y(N)
MW-1	OK	NA	→	→	OK	→	→	↓	↓	STOVEPIPE	
MW-3	OK	NA	→	→	OK	→	→			↓	
MW-10	OK	NA	→	→	OK	→	→				
MW-11	OK	NA	→	→	OK	→	→				

Comments ***Drum measurement before bailing:*** Empty ***Drum measurement after bailing:*** 9 GALS.

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 7.17.15 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-1
Well Diameter: 2/(4) in.
Initial Depth to Water: 32.69 ft.
Initial Product Depth: 30.66 ft.
Depth to SPH (5 Mins): 30.66 ft.
Depth to SPH (10 Mins): 30.66 ft.

Date Monitored: 7.17.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: ✓(3)

Weather Conditions: HOT
Water Color: AMBER
Odor: (Y) / N: STRONG

Time Started: 1330 (2400 hrs)
Time Completed: 1430 (2400 hrs)
Depth to Product: 30.66 ft
Depth to Water: 32.69 ft
Hydrocarbon Thickness: 2.03 ft
Visual Confirmation/Description: YES | AMBER
Amt Removed from Well: 15 ltr
Water Removed: 11 ltr
Product Transferred to: ON-SITE Drum

Time (2400 hr.)	Depth to Product	Depth to Water
1435	31.02	31.56
1436	31.02	31.59
1437	31.02	31.62
1438	31.00	31.65
1439	31.00	31.68
1440	31.00	31.71
1441	30.98	31.73
1442	30.98	31.76
1443	30.98	31.80
1444	30.97	31.83

Time (2400 hr.)	Depth to Product	Depth to Water
1445	30.97	31.86
1446	30.97	31.88
1447	30.95	31.91
1448	30.95	31.94
1449	30.95	31.96
1450	30.94	31.98
1455	30.92	32.04
1505	30.90	32.26
1520	30.89	32.28
1535	30.88	32.53

COMMENTS: INITIAL PID READING: 1.5 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 7.12.15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID **MW-3**

Well Diameter (2) / 4 in.

Initial Depth to Water 31.36 ft.

Initial Product Depth — ft.

Depth to SPH (5 Mins) — ft.

Depth to SPH (10 Mins) — ft.

Date Monitored: 7.12.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

EON Disposable Bailer NA

Weather Conditions: HOT

Water Color: NA

Odor: (Y) / ● SLIGHT

Time Started: _____ (2400 hrs)

Time Completed: _____ (2400 hrs)

Depth to Product: _____ ft

Depth to Water: _____ ft

Hydrocarbon Thickness: _____ ft

Visual Confirmation/Description: _____

Amt Removed from Well: _____ ltr

Water Removed: _____ ltr

Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water	Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: INITIAL PID READING: .30 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**
Site Address: **I-580 And Grant Line Road** Event Date: 7.17.15 (inclusive)
City: **Tracy, CA** Sampler: FT

Well ID **MW-10**
Well Diameter Ø4 in.
Initial Depth to Water 32.18 ft.
Initial Product Depth 30.61 ft.
Depth to SPH (5 Mins) 30.61 ft.
Depth to SPH (10 Mins) 30.61 ft.

Date Monitored: 7.17.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer ✓ (1)

Weather Conditions: HOT!
Water Color: AMBER
Odor: (Y) / N STRONG

Time Started: 1120 (2400 hrs)
Time Completed: 1150 (2400 hrs)
Depth to Product: 30.61 ft
Depth to Water: 32.18 ft
Hydrocarbon Thickness: 1.57 ft
Visual Confirmation/Description: YES | AMBER
Amt Removed from Well: 4 ltr
Water Removed: 3 ltr
Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1155	30.89	31.32
1156	30.89	31.32
1157	30.89	31.32
1158	30.89	31.32
1159	30.89	31.32
1200	30.89	31.32
1201	30.89	31.33
1202	30.89	31.33
1203	30.89	31.33
1204	30.88	31.33

Time (2400 hr.)	Depth to Product	Depth to Water
1205	30.88	31.33
1206	30.88	31.34
1207	30.88	31.34
1208	30.88	31.34
1209	30.89	31.35
1210	30.88	31.35
1215	30.88	31.35
1225	30.88	31.39
1240	30.86	31.42
1255	30.82	31.46

COMMENTS: **INITIAL PID READING:** 1.2 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-7127** Job Number: **385251**

Site Address: **I-580 And Grant Line Road** Event Date: 7.17.15 (inclusive)

City: **Tracy, CA** Sampler: FT

Well ID **MW-11**

Well Diameter (2) / 4 in.

Initial Depth to Water 31.28 ft.

Initial Product Depth 31.25 ft.

Depth to SPH (5 Mins) 31.25 ft.

Depth to SPH (10 Mins) 31.25 ft.

Date Monitored: 7.17.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

EON Disposable Bailer ✓ (1)

Weather Conditions: HOT!

Water Color: LT. AMBER

Odor: (Y) / N MODERATE

Time Started: 1000 (2400 hrs)

Time Completed: 1005 (2400 hrs)

Depth to Product: 31.25 ft

Depth to Water: 31.28 ft

Hydrocarbon Thickness: .03 ft

Visual Confirmation/Description: Yes / LT. AMBER

Amt Removed from Well: .50 m ltr

Water Removed: 2 ltr

Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1005		31.42
1006		31.42
1007		31.41
1008		31.41
1009		31.39
1010		31.39
1011		31.38
1012		31.38
1013		31.37
1014		31.36

Time (2400 hr.)	Depth to Product	Depth to Water
1015		31.35
1016		31.35
1017		31.34
1018		31.34
1019		31.33
1020		31.33
1025		31.29
1035		31.29
1050		31.28
1105		31.26

COMMENTS: **INITIAL PID READING:** .90 ppm

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

GETTLER-RYAN INC.

TRANSMITTAL

August 10, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of July 30, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #9-7127**

Site Address: **I-580 And Grant Line Road**

City: **Tracy, CA**

Job #: **385251**

Event Date: 7.30.15

Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y(N)
MW-1	OK	NM	→	→	OK	→	→	↓	↓	STOVEPIPE	
MW-10	OK	NM	→	→	OK	→	→			↓	
MW-11	OK	NM	→	→	OK	→	→				
MW-3	OK	NM	→	→	OK	→	→				

Comments ***Drum measurement before bailing:*** 9.0 GALS. ***Drum measurement after bailing:*** 19.0 GALS.

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 7.30.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-1
Well Diameter 2 (4) in.
Initial Depth to Water 32.85 ft.
Initial Product Depth 30.73 ft.
Depth to SPH (5 Mins) 30.73 ft.
Depth to SPH (10 Mins) 30.73 ft.

Date Monitored: 7.30.15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer ✓ (3)

Weather Conditions: HOT / WINDY
Water Color: AMBER
Odor: (Y) / N STRONG

Time Started: 1245 (2400 hrs)
Time Completed: 1345 (2400 hrs)
Depth to Product: 30.73 ft
Depth to Water: 32.85 ft
Hydrocarbon Thickness: 2.12 ft
Visual Confirmation/Description: Yes / AMBER
Amt Removed from Well: 15.0 ltr
Water Removed: -0- ltr
Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1350	31.10	31.63
1351	31.07	31.74
1352	31.03	31.86
1353	30.98	31.94
1354	30.97	32.03
1355	30.95	32.08
1356	30.95	32.12
1357	30.94	32.17
1358	30.92	32.20
1359	30.91	32.22

Time (2400 hr.)	Depth to Product	Depth to Water
1400	30.90	32.24
1401	30.89	32.26
1402	30.88	32.28
1403	30.86	32.30
1404	30.85	32.33
1405	30.83	32.39
1410	30.80	32.47
1420	30.80	32.52
1435	30.79	32.58
1450	30.78	32.63

COMMENTS: INITIAL PID READING: 2.6 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 7.30.15 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-3 Date Monitored: 7.30.15
Well Diameter 2 | 4 in.
Initial Depth to Water 31.44 ft.
Initial Product Depth 0 ft.
Depth to SPH (5 Mins) 0 ft.
Depth to SPH (10 Mins) 0 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.

Purge Equipment:
EON Disposable Bailer 0

Weather Conditions: HOT/SUNNY
Water Color: NA
Odor: Y / (N)

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: 0 ft
Depth to Water: 31.44 ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

Time (2400 hr.)	Depth to Product	Depth to Water

Time (2400 hr.)	Depth to Product	Depth to Water

COMMENTS: INITIAL PID READING: 0.00 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 7.30.16 (inclusive)
City: Tracy, CA Sampler: FT

Well ID MW-10
Well Diameter 4 in.
Initial Depth to Water 32.31 ft.
Initial Product Depth 30.70 ft.
Depth to SPH (5 Mins) 30.70 ft.
Depth to SPH (10 Mins) 30.70 ft.

Date Monitored: 7.30.16

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer ✓ (1)

Weather Conditions: HOT / WINDY
Water Color: AMBER
Odor: Ⓨ / N STRONG

Time Started: 10:40 (2400 hrs)
Time Completed: 1110 (2400 hrs)
Depth to Product: 30.70 ft
Depth to Water: 32.31 ft
Hydrocarbon Thickness: 1.61 ft
Visual Confirmation/Description: YES (AMBER
Amt Removed from Well: 2.0 ltr
Water Removed: 0 ltr
Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
1115	31.06	31.28
1116	31.06	31.33
1117	31.03	31.37
1118	31.03	31.38
1119	31.02	31.38
1120	31.02	31.38
1121	31.02	31.38
1122	31.01	31.39
1123	31.01	31.39
1124	31.00	31.39

Time (2400 hr.)	Depth to Product	Depth to Water
1125	30.99	31.39
1126	30.99	31.39
1127	30.99	31.40
1128	30.98	31.40
1129	30.98	31.40
1130	30.97	31.40
1135	30.98	31.40
1145	30.96	31.41
1200	30.95	31.41
1215	30.95	31.42

COMMENTS: INITIAL PID READING: 9.6 PPM

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 7.30.16 (inclusive)
City: Tracy, CA | Sampler: FT

Well ID: MW-11
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.37 ft.
Initial Product Depth: 31.36 ft.
Depth to SPH (5 Mins): 31.36 ft.
Depth to SPH (10 Mins): 31.36 ft.

Date Monitored: 7-30-16

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer ✓ (1)

Weather Conditions: HOT | WIND
Water Color: CLEAR
Odor: (Y) / N SLIGHT

Time Started: 0915 (2400 hrs)
Time Completed: 0920 (2400 hrs)
Depth to Product: 31.36 ft
Depth to Water: 31.37 ft
Hydrocarbon Thickness: .01 ft
Visual Confirmation/Description: YES / LT. AMBER
Amt Removed from Well: 40 m ltr
Water Removed: 2.0 ltr
Product Transferred to: ON-SITE DRUM

Time (2400 hr.)	Depth to Product	Depth to Water
0925		31.43
0926		31.43
0927		31.43
0928		31.43
0929		31.43
0930		31.43
0931		31.43
0932		31.42
0933		31.42
0934		31.42

Time (2400 hr.)	Depth to Product	Depth to Water
0935		31.42
0936		31.41
0937		31.41
0938		31.40
0939		31.40
0940		31.40
0945		31.39
0955		31.37
1010		31.36
1025		31.34

COMMENTS: INITIAL PID READING: 0.00 PPM

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

GETTLER-RYAN INC.

TRANSMITTAL

August 25, 2015
G-R #385251

TO: Mr. Brian Westhoff
STANTEC
3017 Kilgore Road Suite 100
Rancho Cordova California 95670

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6805 Sierra Court, Suite G
Dublin, California 94568

RE: Former Chevron Service Station
#9-7127
I-580 and Grant Line Road
Tracy, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Bi-Monthly Event of August 15, 2015**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/9-7127

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-7127
Site Address: I-580 And Grant Line Road
City: Tracy, CA

Job #: 385251
Event Date: 8/15/15
Sampler: JN

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	Ok	N/A			Ok			N	N	Stove Pipe	N
MW-3	Ok	N/A			Ok						
MW-10	Ok	N/A			Ok						
MW-11	Ok	N/A			Ok						

Comments Drum measurement before bailing: ≈ 9 gal Drum measurement after bailing: ≈ 15.5 gal
Datum stick not available onsite, measurement for after bailing is an estimate

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 Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 8/15/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-1
Well Diameter: 2 (4) in.
Initial Depth to Water: 32.98 ft.
Initial Product Depth: 30.76 ft.
Depth to SPH (5 Mins): 30.76 ft.
Depth to SPH (10 Mins): 30.76 ft.

Date Monitored: 8/15/15

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: 3

Weather Conditions: smoky / windy
Water Color: clear
Odor: Y / N strong

Time Started: 0900 (2400 hrs)
Time Completed: 1000 (2400 hrs)
Depth to Product: 30.76 ft
Depth to Water: 32.98 ft
Hydrocarbon Thickness: 2.22 ft
Visual Confirmation/Description: Brown
Amt Removed from Well: 14 ltr
Water Removed: 3 ltr
Product Transferred to: Drum

Time (2400 hr.)	Depth to Product	Depth to Water
1001	33.09	33.37
1002	33.06	33.36
1003	33.02	33.34
1004	33.00	33.34
1004	32.97	33.33
1005	32.90	33.32
1006	32.84	33.32
1007	32.80	33.32
1008	32.77	33.31
1009	32.74	33.30

Time (2400 hr.)	Depth to Product	Depth to Water
1010	32.67	33.29
1011	32.61	33.28
1012	32.56	33.27
1013	32.54	33.25
1014	32.51	33.23
1015	32.49	33.22
1020	32.35	33.19
1025	32.17	33.14
1045	32.04	33.06
1100	31.95	33.02

COMMENTS: INITIAL PID READING: 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 8/15 1/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-3
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.47 ft.
Initial Product Depth: Ø ft.
Depth to SPH (5 Mins): ft.
Depth to SPH (10 Mins): ft.

Date Monitored: 8/15 1/15

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

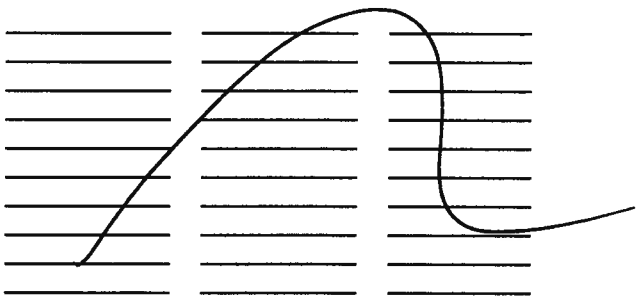
☐ Check if water column is less then 0.50 ft.

Time Started: _____ (2400 hrs)
Time Completed: _____ (2400 hrs)
Depth to Product: Ø ft
Depth to Water: _____ ft
Hydrocarbon Thickness: _____ ft
Visual Confirmation/Description: _____
Amt Removed from Well: _____ ltr
Water Removed: _____ ltr
Product Transferred to: _____

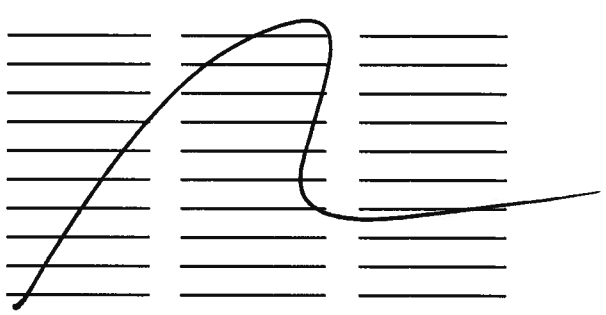
Purge Equipment:
EON Disposable Bailer

Weather Conditions:
Water Color:
Odor: Y / N

Time (2400 hr.)	Depth to Product	Depth to Water



Time (2400 hr.)	Depth to Product	Depth to Water



COMMENTS: INITIAL PID READING: 0.0

No SPH

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 Job Number: 385251
Site Address: I-580 And Grant Line Road Event Date: 8/15/15 (inclusive)
City: Tracy, CA Sampler: JH

Well ID MW-10
Well Diameter (2)/4 in.
Initial Depth to Water 32.42 ft.
Initial Product Depth 30.73 ft.
Depth to SPH (5 Mins) 30.73 ft.
Depth to SPH (10 Mins) 30.73 ft.

Date Monitored: 8/15/15

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.

Time Started: 0710 (2400 hrs)
Time Completed: 0730 (2400 hrs)
Depth to Product: 30.73 ft
Depth to Water: 32.42 ft
Hydrocarbon Thickness: 1.69 ft
Visual Confirmation/Description: Yellow
Amt Removed from Well: 4.5 ltr
Water Removed: 2.0 ltr
Product Transferred to: Drum

Purge Equipment:
EON Disposable Bailer 1

Weather Conditions: Smoky/Windy
Water Color: clear
Odor: (Y) N Strong

Time (2400 hr.)	Depth to Product	Depth to Water
0731	33.03	33.06
0732	33.02	33.06
0733	32.98	33.03
0734	32.94	33.01
0735	32.88	32.96
0736	32.84	32.92
0737	32.77	32.87
0738	32.74	32.84
0739	32.73	32.83
0740	32.70	32.80

Time (2400 hr.)	Depth to Product	Depth to Water
0741	32.68	32.79
0742	32.65	32.77
0743	32.63	32.76
0744	32.61	32.75
0745	32.60	32.74
0750	32.57	32.73
0800	32.53	32.70
0815	32.50	32.67
0830	32.44	32.64

COMMENTS: INITIAL PID READING: 0.0

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

GETTLER-RYAN INC.

WELL MONITORING/PRODUCT BAILING
FIELD DATA SHEET

Client/Facility#: Chevron #9-7127 | Job Number: 385251
Site Address: I-580 And Grant Line Road | Event Date: 8/15/15 (inclusive)
City: Tracy, CA | Sampler: JH

Well ID: MW-11 | Date Monitored: 8/15/15
Well Diameter: (2) 4 in.
Initial Depth to Water: 31.47 ft.
Initial Product Depth: 31.43 ft.
Depth to SPH (5 Mins): 31.43 ft.
Depth to SPH (10 Mins): 31.43 ft.

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

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
EON Disposable Bailer: 1

Weather Conditions: smoky / windy
Water Color: Clear
Odor: (Y) / N Mild

Time Started: 0545 (2400 hrs)
Time Completed: 0550 (2400 hrs)
Depth to Product: 31.43 ft
Depth to Water: 31.47 ft
Hydrocarbon Thickness: .04 ft
Visual Confirmation/Description: Brown
Amt Removed from Well: 200 mL
Water Removed: 500 mL
Product Transferred to: Drum

Time (2400 hr.)	Depth to Product	Depth to Water
0551	N/A	31.80
0552	N/A	31.79
0553	N/A	31.75
0554	N/A	31.77
0555	N/A	31.77
0556	N/A	31.75
0557	N/A	31.74
0558	N/A	31.70
0559	N/A	31.70
0600	N/A	31.68

Time (2400 hr.)	Depth to Product	Depth to Water
0601	N/A	31.65
0602	N/A	31.62
0603	N/A	31.60
0604	N/A	31.58
0605	N/A	31.57
0610	N/A	31.56
0620	N/A	31.55
0635	31.53	31.55
0650	31.53	31.55
[redacted]	[redacted]	[redacted]

COMMENTS: INITIAL PID READING: 0.0

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

Appendix B

Eurofins Lancaster's *Analytical Results*

and Stantec Lab Validation Form

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

June 05, 2015

Project: 97127

Submittal Date: 05/23/2015
Group Number: 1563660
PO Number: 0015167993
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150521 NA Water	7901292
MW-2-W-150521 Grab Groundwater	7901293
MW-4-W-150521 Grab Groundwater	7901294
MW-5-W-150521 Grab Groundwater	7901295
MW-6-W-150521 Grab Groundwater	7901296
MW-7-W-150521 Grab Groundwater	7901297
MW-8-W-150521 Grab Groundwater	7901298
MW-9-W-150521 Grab Groundwater	7901299
MW-12-W-150521 Grab Groundwater	7901300
MW-13-W-150521 Grab Groundwater	7901301
MW-14-W-150521 Grab Groundwater	7901302
MW-15-W-150521 Grab Groundwater	7901303
MW-16-W-150521 Grab Groundwater	7901304

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	ARCADIS U.S., Inc.	Attn: Cameron McGovern
ELECTRONIC COPY TO	ARCADIS	Attn: Lauren Sipich
ELECTRONIC COPY TO	ARCADIS	Attn: Tonya Russi
ELECTRONIC	Gettler-Ryan Inc.	Attn: Gettler Ryan

COPY TO

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150521 NA Water
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901292
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	D151502AA	05/30/2015 10:22	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151502AA	05/30/2015 10:22	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15149A53A	05/29/2015 08:31	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15149A53A	05/29/2015 08:31	Marie D Beamenderfer	1

Sample Description: MW-2-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901293
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 12:45 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM2

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	D151502AA	05/30/2015 10:46	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151502AA	05/30/2015 10:46	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15149A53A	05/29/2015 13:37	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15149A53A	05/29/2015 13:37	Marie D Beamenderfer	1

Sample Description: MW-4-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901294
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 16:30 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	180	1	2
10945	Ethylbenzene	100-41-4	14	1	2
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
10945	Toluene	108-88-3	15	1	2
10945	Xylene (Total)	1330-20-7	33	1	2
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200	250	5

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	D151502AA	05/30/2015 18:04	Anita M Dale	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151502AA	05/30/2015 18:04	Anita M Dale	2
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15149A53A	05/29/2015 16:52	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15149A53A	05/29/2015 16:52	Marie D Beamenderfer	5

Sample Description: MW-5-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901295
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 09:45 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	D151502AA	05/30/2015 18:27	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151502AA	05/30/2015 18:27	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15149A53A	05/29/2015 14:05	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15149A53A	05/29/2015 14:05	Marie D Beamenderfer	1

Sample Description: MW-6-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901296
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 11:25 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 13:49	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 13:49	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15149A53A	05/29/2015 14:32	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15149A53A	05/29/2015 14:32	Marie D Beamenderfer	1

Sample Description: MW-7-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901297
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 10:00 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 14:18	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 14:18	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 15:46	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 15:46	Marie D Beamenderfer	1

Sample Description: MW-8-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901298
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 12:15 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 14:47	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 14:47	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 16:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 16:08	Marie D Beamenderfer	1

Sample Description: MW-9-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901299
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 14:50 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLTM9

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	1,200	10	20
10945	Ethylbenzene	100-41-4	10	10	20
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10	20
10945	Toluene	108-88-3	470	10	20
10945	Xylene (Total)	1330-20-7	140	10	20
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	4,400	250	5

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151552AA	06/04/2015 18:22	Amanda K Richards	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151552AA	06/04/2015 18:22	Amanda K Richards	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 19:27	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 19:27	Marie D Beamenderfer	5

Sample Description: MW-12-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901300
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 16:15 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLT12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	93	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	0.8	0.5	1
10945	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	620	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 15:16	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 15:16	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 16:31	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 16:31	Marie D Beamenderfer	1

Sample Description: MW-13-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901301
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 13:25 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLT13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	32	0.5	1
10945	Ethylbenzene	100-41-4	0.6	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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.	230	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 15:45	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 15:45	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 16:52	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 16:52	Marie D Beamenderfer	1

Sample Description: MW-14-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901302
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 16:00 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLT14

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	3,900	10	20
10945	Ethylbenzene	100-41-4	280	10	20
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10	20
10945	Toluene	108-88-3	660	10	20
10945	Xylene (Total)	1330-20-7	1,000	10	20
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	12,000	500	10

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 19:37	Amanda K Richards	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 19:37	Amanda K Richards	20
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 19:49	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 19:49	Marie D Beamenderfer	10

Sample Description: MW-15-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901303
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 15:25 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLT15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	13,000	100	200
10945	Ethylbenzene	100-41-4	750	10	20
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10	20
10945	Toluene	108-88-3	1,100	10	20
10945	Xylene (Total)	1330-20-7	1,600	10	20
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	39,000	2,500	50

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 20:06	Amanda K Richards	20
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 20:35	Amanda K Richards	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 20:06	Amanda K Richards	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	P151532AA	06/02/2015 20:35	Amanda K Richards	200
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 20:11	Marie D Beamenderfer	50
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 20:11	Marie D Beamenderfer	50

Sample Description: MW-16-W-150521 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-580 & Grant Line-Tracy T0600102298

LL Sample # WW 7901304
LL Group # 1563660
Account # 11928

Project Name: 97127

Collected: 05/21/2015 10:42 by FT

Submitted: 05/23/2015 10:20
Reported: 06/05/2015 15:47

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

GLT16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	0.5	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P151532AA	06/02/2015 16:14	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P151532AA	06/02/2015 16:14	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15152A20A	06/01/2015 17:14	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15152A20A	06/01/2015 17:14	Marie D Beamenderfer	1

Quality Control Summary

Client Name: Chevron Group Number: 1563660
Reported: 06/05/2015 15:47

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D151502AA	Sample number(s): 7901292-7901295							
Benzene	N.D.	0.5	ug/l	100		78-120		
Ethylbenzene	N.D.	0.5	ug/l	96		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89		75-120		
Toluene	N.D.	0.5	ug/l	102		80-120		
Xylene (Total)	N.D.	0.5	ug/l	102		80-120		
Batch number: P151532AA	Sample number(s): 7901296-7901298,7901300-7901304							
Benzene	N.D.	0.5	ug/l	92	93	78-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	96	98	80-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97	97	75-120	0	30
Toluene	N.D.	0.5	ug/l	93	96	80-120	3	30
Xylene (Total)	N.D.	0.5	ug/l	96	98	80-120	2	30
Batch number: P151552AA	Sample number(s): 7901299							
Benzene	N.D.	0.5	ug/l	96		78-120		
Ethylbenzene	N.D.	0.5	ug/l	99		80-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		75-120		
Toluene	N.D.	0.5	ug/l	97		80-120		
Xylene (Total)	N.D.	0.5	ug/l	98		80-120		
Batch number: 15149A53A	Sample number(s): 7901292-7901296							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	101	98	80-139	3	30
Batch number: 15152A20A	Sample number(s): 7901297-7901304							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	92		80-139		

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: D151502AA	Sample number(s): 7901292-7901295 UNSPK: 7901293								
Benzene	108	108	72-134	0	30				
Ethylbenzene	103	105	71-134	1	30				
Methyl Tertiary Butyl Ether	94	98	72-126	4	30				
Toluene	112	110	80-125	1	30				
Xylene (Total)	109	110	79-125	1	30				

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

Quality Control Summary

Client Name: Chevron Group Number: 1563660
Reported: 06/05/2015 15:47

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: P151552AA	Sample number(s): 7901299 UNSPK: P911491								
Benzene	101	105	72-134	4	30				
Ethylbenzene	104	107	71-134	2	30				
Methyl Tertiary Butyl Ether	97	101	72-126	4	30				
Toluene	102	105	80-125	3	30				
Xylene (Total)	104	107	79-125	3	30				
Batch number: 15152A20A	Sample number(s): 7901297-7901304 UNSPK: P906526								
TPH-GRO N. CA water C6-C12	108	108	92-144	1	30				

Surrogate Quality Control

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

Analysis Name: BTEX/MTBE
Batch number: D151502AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7901292	97	100	96	90
7901293	96	100	95	91
7901294	92	97	96	93
7901295	96	99	95	90
Blank	118*	100	95	88
LCS	93	99	95	97
MS	93	101	95	96
MSD	93	101	96	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/MTBE
Batch number: P151532AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7901296	100	100	99	100
7901297	99	99	101	101
7901298	99	99	101	100
7901300	100	100	101	101
7901301	100	100	100	100
7901302	98	98	100	100
7901303	98	99	100	99
7901304	100	99	100	99
Blank	100	98	100	100
LCS	99	101	100	101
LCSD	99	101	100	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/MTBE
Batch number: P151552AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7901299	99	100	100	99

*- 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: 1563660
Reported: 06/05/2015 15:47

Surrogate Quality Control

Blank	99	99	98	99
LCS	100	103	101	101
MS	100	100	100	101
MSD	99	101	99	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15149A53A

	Trifluorotoluene-F
7901292	98
7901293	98
7901294	98
7901295	98
7901296	97
Blank	98
LCS	112
LCSD	111
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15152A20A

	Trifluorotoluene-F
7901297	93
7901298	94
7901299	101
7901300	97
7901301	95
7901302	100
7901303	97
7901304	96
Blank	97
LCS	100
MS	102
MSD	101
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

eurofins | Lancaster Laboratories 052215-01

Acct. # 11928 For Eurofins Lancaster Laboratories use only Group # 1563660 Sample # 7901292-304

Instructions on reverse side correspond with circled numbers.

1 of 1

SCR #: _____

1 Client Information

Facility # SS#9-7127-OML G-R#385251 Global ID#T0600102298 WBS

Site Address I-580 AND GRANT LINE ROAD, TRACY, CA

Chevron PM CM ARCADISTR Lead Consultant Russi

Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com

Consultant Phone # (925) 551-7444 x180

Sampler FRANK TENNINONI

4 Matrix

Soil ☐ Sediment ☐ Water ☒ Ground ☐ Potable ☐ Surface ☐ NPDES ☐ Oil ☐ Air ☐

5 Analyses Requested

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	Composite	Total Number of Containers	BTEX + MTBE 8260	BTEX + MTBE 8021	TPH-GRO 8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		5.21.15				2	X		X							
MW-2			1245	X		6	X		X							
MW-4			1630	X												
MW-5			0945	X												
MW-6			1125	X												
MW-7		1000	[redacted]	X												
MW-8			1215	X												
MW-9			1450	X												
MW-12			1615	X												
MW-13			1325	X												
MW-14			1600	X												
MW-15			1525	X												
MW-16		↓	1042	X		↓	↓		↓							

☐ Results in Dry Weight
☐ 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

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day

72 hour 48 hour 24 hour EDF/EDD

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)

Other: _____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	5.22.15	1130	[signature]	5/22/15	1130
[signature]	22MAY15	1636	FX		
			[signature]	5/23/15	1020

Relinquished by Commercial Carrier: UPS _____ FedEx X Other _____

Temperature Upon Receipt 0.2 °C

Custody Seals Intact? (Yes) No

9

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

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

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Is Data Valid? (circle)
YES
NO

Preservation Temperature (If Known)

0.2 °C

Stantec Lab Validation Sheet

Project/Client: Former Chevron Service Station 9-7127 / Chevron
Project #: 185750361.710.94044
Date of Validation: 10/08/15 **Date of Analysis:** 05/29-06/04 **Sample Date:** 05/21/15
Completed By: Grace Hill **Signature:**
Analytical Lab Used and Report # (if any): Eurofins | 001563660

Circle/Highlight Yes or No

1. Was the analysis the one requested? (Yes) No
2. Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet? (Yes) No
3. Were samples prepared (extracted, filtered, etc.) within EPA holding times? (Yes) No
4. Once prepared/extracted, were the samples analyzed within the EPA holding times? (Yes) No
5. Were Laboratory blanks performed, if so, were they below non-detect? (Yes) No
6. Are the units correct? (i.e., soil samples in mg/kg or µg/g, water samples mg/L, µg/L, and air samples in volume mg/m^3,etc.) (Yes) No
7. Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample? (Yes) No
8. In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples? (Yes) No
9. Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)? Yes (No)
10. Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)? (Yes) No
11. Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)? (Yes) No

If any answer is no, explain why and what corrective action was taken:

9. Surrogate Quality Control Batch No. D151502AA – Blank reported Dibromofluoromethane outside of specification limits.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

September 21, 2015

Project: 97127

Submittal Date: 09/11/2015
Group Number: 1592077
PO Number: 0015167993
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150909 NA Water	8043696
MW-3-W-150909 Grab Groundwater	8043697
MW-4-W-150909 Grab Groundwater	8043698
MW-6-W-150909 Grab Groundwater	8043699
MW-8-W-150909 Grab Groundwater	8043700
MW-9-W-150909 Grab Groundwater	8043701
MW-12-W-150909 Grab Groundwater	8043702
MW-13-W-150909 Grab Groundwater	8043703
MW-14-W-150909 Grab Groundwater	8043704
MW-15-W-150909 Grab Groundwater	8043705
MW-16-W-150909 Grab Groundwater	8043706

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Stantec	Attn: Brian Westhoff
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman
ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150909 NA Water
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043696
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z152574AA	09/14/2015 23:11	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z152574AA	09/14/2015 23:11	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/16/2015 20:06	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/16/2015 20:06	Jeremy C Giffin	1

Sample Description: MW-3-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043697
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 11:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTM3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	8,400	50	100
10945	Ethylbenzene	100-41-4	770	3	5
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
10945	Toluene	108-88-3	77	3	5
10945	Xylene (Total)	1330-20-7	830	3	5
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	18,000	250	5

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z152574AA	09/15/2015 06:23	Hu Yang	5
10945	BTEX/MTBE	SW-846 8260B	1	Z152581AA	09/15/2015 22:37	Brett W Kenyon	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z152574AA	09/15/2015 06:23	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z152581AA	09/15/2015 22:37	Brett W Kenyon	100
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 04:18	Jeremy C Giffin	5
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 04:18	Jeremy C Giffin	5

Sample Description: MW-4-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043698
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 16:00 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	12	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	6	0.5	1
10945	Xylene (Total)	1330-20-7	4	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	700	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z152574AA	09/15/2015 04:23	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z152574AA	09/15/2015 04:23	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 01:34	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 01:34	Jeremy C Giffin	1

Sample Description: MW-6-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043699
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 14:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z152574AA	09/15/2015 04:47	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z152574AA	09/15/2015 04:47	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 02:01	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 02:01	Jeremy C Giffin	1

Sample Description: MW-8-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043700
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 07:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z152574AA	09/15/2015 05:11	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z152574AA	09/15/2015 05:11	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 02:29	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 02:29	Jeremy C Giffin	1

Sample Description: MW-9-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043701
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 08:10 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLTM9

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	1,800	5	10
10945	Ethylbenzene	100-41-4	100	5	10
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5	10
10945	Toluene	108-88-3	250	5	10
10945	Xylene (Total)	1330-20-7	570	5	10
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	8,100	250	5

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 18:36	Brett W Kenyon	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 18:36	Brett W Kenyon	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 04:45	Jeremy C Giffin	5
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 04:45	Jeremy C Giffin	5

Sample Description: MW-12-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043702
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 16:20 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLT12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	2	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	0.6	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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.	280	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 13:20	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 13:20	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 02:56	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 02:56	Jeremy C Giffin	1

Sample Description: MW-13-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043703
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 12:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLT13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	62	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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.	250	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 13:47	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 13:47	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 03:23	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 03:23	Jeremy C Giffin	1

Sample Description: MW-14-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043704
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 10:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLT14

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	5,700	25	50
10945	Ethylbenzene	100-41-4	460	25	50
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	25	50
10945	Toluene	108-88-3	240	25	50
10945	Xylene (Total)	1330-20-7	910	25	50
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	17,000	1,000	20

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 19:03	Brett W Kenyon	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 19:03	Brett W Kenyon	50
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258B20A	09/17/2015 05:12	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	15258B20A	09/17/2015 05:12	Jeremy C Giffin	20

Sample Description: MW-15-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043705
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 09:15 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLT15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	27,000	250	500
10945	Ethylbenzene	100-41-4	1,500	250	500
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	250	500
10945	Toluene	108-88-3	930	250	500
10945	Xylene (Total)	1330-20-7	3,800	250	500
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	52,000	10,000	200

General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 19:29	Brett W Kenyon	500
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 19:29	Brett W Kenyon	500
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258A94A	09/17/2015 01:12	Marie D Beamenderfer	200
01146	GC VOA Water Prep	SW-846 5030B	1	15258A94A	09/17/2015 01:12	Marie D Beamenderfer	200

Sample Description: MW-16-W-150909 Grab Groundwater
Facility# 97127 Job# 385251 GRD
I-590 & Grant Line-Tracy T0600102298

LL Sample # WW 8043706
LL Group # 1592077
Account # 10906

Project Name: 97127

Collected: 09/09/2015 15:30 by JH

Submitted: 09/11/2015 09:20
Reported: 09/21/2015 00:08

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

GLT16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	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

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	P152582AA	09/15/2015 14:13	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P152582AA	09/15/2015 14:13	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15258A94A	09/16/2015 20:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	15258A94A	09/16/2015 20:08	Marie D Beamenderfer	1

Quality Control Summary

Client Name: Chevron Group Number: 1592077
Reported: 09/21/2015 00:08

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: P152582AA	Sample number(s): 8043701-8043706							
Benzene	N.D.	0.5	ug/l	99	101	78-120	2	30
Ethylbenzene	N.D.	0.5	ug/l	98	98	78-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	111	106	75-120	5	30
Toluene	N.D.	0.5	ug/l	98	97	80-120	2	30
Xylene (Total)	N.D.	0.5	ug/l	99	99	80-120	0	30
Batch number: Z152574AA	Sample number(s): 8043696-8043700							
Benzene	N.D.	0.5	ug/l	95	96	78-120	1	30
Ethylbenzene	N.D.	0.5	ug/l	97	97	78-120	0	30
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94	94	75-120	0	30
Toluene	N.D.	0.5	ug/l	98	99	80-120	1	30
Xylene (Total)	N.D.	0.5	ug/l	99	99	80-120	1	30
Batch number: Z152581AA	Sample number(s): 8043697							
Benzene	N.D.	0.5	ug/l	93	100	78-120	7	30
Batch number: 15258A94A	Sample number(s): 8043705-8043706							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	85	86	71-138	2	30
Batch number: 15258B20A	Sample number(s): 8043696-8043704							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	121	121	71-138	1	30

Surrogate Quality Control

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

Analysis Name: BTEX/MTBE
Batch number: P152582AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8043701	99	99	100	101
8043702	101	102	98	102
8043703	104	100	98	100
8043704	100	97	99	101
8043705	101	100	99	101
8043706	102	97	98	102
Blank	101	99	99	100

*- 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: 1592077
Reported: 09/21/2015 00:08

Surrogate Quality Control

LCS	101	103	99	101
LCSD	103	101	98	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/MTBE
Batch number: Z152574AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8043696	95	98	101	97
8043697	95	97	101	99
8043698	95	97	101	98
8043699	96	99	100	96
8043700	96	98	101	97
Blank	95	98	100	97
LCS	95	100	101	98
LCSD	94	101	100	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15258A94A

	Trifluorotoluene-F
8043705	90
8043706	79
Blank	74
LCS	92
LCSD	92
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15258B20A

	Trifluorotoluene-F
8043696	87
8043697	96
8043698	88
8043699	88
8043700	89
8043701	92
8043702	89
8043703	89
8043704	89
Blank	88
LCS	94
LCSD	93
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

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For Eurofins Lancaster Laboratories use only
Acct. # 10906 Group # 1592077 Sample # 8043696-706
Instructions on reverse side correspond with circled numbers.

(1) Client Information

Facility: SS#9-7127-OML G-R#385251 Global ID#T0600102298
Site Address: I-580 AND GRANT LINE ROAD, TRACY, CA
Chevron PM: CM STANTECWB Lead Consultant: Westhoff
Consultant/Office: Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568
Consultant Project Mgr.: Deanna L. Harding, deanna@grinc.com
Consultant Phone #: (925) 551-7444 x180
Sampler: Jim Herron

(4) Matrix: Sediment ☐ Ground ☑ Surface ☐ Water; Soil ☐ Potable ☐ NPDES ☐ Oil ☐ Air ☐

(5) Analyses Requested: BTEX + MTBE 8260 ☒ 8021 ☐; TPH-GRO 8260 ☐ 8015 ☒; TPH-DRO 8015 without Silica Gel Cleanup ☐; TPH-DRO 8015 with Silica Gel Cleanup ☐; 8260 Full Scan; ___ Oxygenates; Total Lead Method ___; Dissolved Lead Method ___

SCR #: ___

☐ Results in Dry Weight
☐ 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

(2) Sample Identification	Soil Depth	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	TPH-GRO	(6) Remarks
QA		9/9/15		✓			X		2	✓	✓	
MW-3		↓	1115	↓			↓		6	↓	↓	
MW-4		↓	1600	↓			↓		↓	↓	↓	
MW-6		↓	1415	↓			↓		↓	↓	↓	
MW-8		↓	0715	↓			↓		↓	↓	↓	
MW-9		↓	0810	↓			↓		↓	↓	↓	
MW-12		↓	1620	↓			↓		↓	↓	↓	
MW-13		↓	1215	↓			↓		↓	↓	↓	
MW-14		↓	1015	↓			↓		↓	↓	↓	
MW-15		↓	0915	↓			↓		↓	↓	↓	
MW-16		↓	1530	↓			↓		↓	↓	↓	

(7) Turnaround Time Requested (TAT) (please circle)
(Standard) 5 day 4 day
72 hour 48 hour 24 hour EDF/EDD

(8) Data Package (circle if required): Type I - Full; Type VI (Raw Data)
EDD (circle if required): EDFFLAT (default); Other: ___

Relinquished by	Date	Time	Received by	Date	Time
[signature]	9/10/15		[signature]	9/10/15	1430
[signature]	9/10/15	1600	FE		
Relinquished by Commercial Carrier: UPS ___ FedEx X Other ___			[signature]	9-11-15	920

Temperature Upon Receipt 0.9-2.1 °C — Custody Seals Intact? (Yes) No

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

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

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) 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.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Is Data Valid? (circle)
(YES)
NO

Preservation Temperature (If Known)

0.9 - 2.1 °C

Stantec Lab Validation Sheet

Project/Client: Former Chevron Service Station 9-7127 / Chevron
Project #: 185750361.710.94044
Date of Validation: 10/08/15 **Date of Analysis:** 09/14-09/17 **Sample Date:** 09/09/15
Completed By: Grace Hill **Signature:** Grace Hill
Analytical Lab Used and Report # (if any): Eurofins | 1592077

Circle/Highlight Yes or No

1.	Was the analysis the one requested?	(Yes) No
2.	Do the sample number(s) on the chain-of-custody (COC) match the one(s) that appear on the laboratory data sheet?	(Yes) No
3.	Were samples prepared (extracted, filtered, etc.) within EPA holding times?	(Yes) No
4.	Once prepared/extracted, were the samples analyzed within the EPA holding times?	(Yes) No
5.	Were Laboratory blanks performed, if so, were they below non-detect?	(Yes) No
6.	Are the units correct? (i.e., soil samples in mg/kg or µg/g, water samples mg/L, µg/L, and air samples in volume mg/m^3,etc.)	(Yes) No
7.	Were appropriate Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples included in the laboratory batch sample?	(Yes) No
8.	In lieu of MS/ MSD, were surrogate spike (SS) or surrogate spike duplicate (SSD) samples included in the laboratory batch samples?	(Yes) No
9.	Were MS/ MSD (or SS/SSD) within the acceptable range of % recovery (i.e., approx 80-120% depending on analyte)?	(Yes) No
10.	Were MS/MSD (or SS/SSD) values used to calculate Relative Percent Difference (RPD)?	(Yes) No
11.	Were Relative Percent Difference values within the acceptable range (i.e. ± 25%)?	(Yes) No

If any answer is no, explain why and what corrective action was taken:

Sample Number WW 8043701 (MW-9), WW 8043704 (MW-14) and WW 8043705 (MW-15) are noted with a raised Method Detection Limit.