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Devine**
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
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Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: **Second Quarter 2012 Groundwater Monitoring Report**
Former Chevron Service Station 97127
Grant Line Road and Interstate 580
Tracy, California
RWQCB # RO0000185

RECEIVED

2:43 pm, Aug 14, 2012

Alameda County
Environmental Health

Dear Mr. Detterman:

ARCADIS U.S., Inc. (ARCADIS), at the request of Chevron Environmental Management Company (Chevron), has prepared the enclosed Second Quarter 2012 Groundwater Monitoring Report for Former Chevron Service Station 97127, located at Grant Line Road and Interstate 580 in Tracy, California.

I declare to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct. The enclosed report is submitted pursuant to the requirements of California Water Code Section 13267 (b)(1).

Sincerely,

Catalina Espino Devine
Project Manager



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

ARCADIS U.S., Inc.
950 Glenn Drive
Suite 125
Folsom
California 95630
Tel 916.985.2079
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www.arcadis-us.com

Subject:

Second Quarter 2012 Groundwater Monitoring Report

Former Chevron Service Station No. 97127
Grant Line Road and Interstate 580
Tracy, California
RWQCB # RO0000185

ENVIRONMENT

Dear Mr. Detteran:

ARCADIS U.S., Inc. (ARCADIS) has prepared this *Second Quarter of 2012 Groundwater Monitoring Report*, on behalf of Chevron Environmental Management Company (Chevron), to document the results of groundwater monitoring and sampling at former Chevron Service Station No. 97127, located at Grant Line Road and Interstate 580 in Tracy, California (the Site; Figure 1).

Date:

August 10, 2012

Contact:

Tonya R. Russi

Phone:

916.985.2079 ext. 15

Email:

Tonya.Russi@
arcadis-us.com

Groundwater Monitoring and Sampling

Gettler-Ryan Inc. (G-R) conducted quarterly groundwater monitoring and sampling on June 25, 2012. The groundwater monitoring and sampling program consists of measuring depth to groundwater, collecting groundwater samples, and analyzing the samples.

Our ref:

B0047959.0000

Field Procedures

G-R measured the depth to groundwater on June 25, 2012 from 14 monitoring wells associated with the site monitoring network (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14 and MW-15), shown on Figure 2.

G-R subsequently collected groundwater samples on June 25, 2012 from 12 monitoring wells (MW-2, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14 and MW-15). Monitoring wells MW-1 and MW-3 contained separate phase hydrocarbons (SPH), water supply well WSW-1 is sampled annually

Imagine the result

during the first quarter event and monitoring well MW-8 was discontinued from monitoring and sampling in 2009; therefore, groundwater samples were not collected from these wells during the second quarter 2012 monitoring and sampling event.

Groundwater samples were collected in accordance with California Environmental Protection Agency (CalEPA), Department of Toxic Substances Control procedures outlined in *Representative Sampling of Groundwater for Hazardous Substances*.¹

Samples were collected with new disposable bailers after purging approximately three well volumes. Purging and sampling was performed using the following series of activities and protocols:

- During the purge cycle, groundwater field parameter measurements consisting of specific conductance, pH and temperature were measured using a water quality meter
- Approximately three times the volume of standing water was removed from each monitoring well and field parameters were recorded on a well volume basis
- After the purge cycle was complete, a groundwater sample was collected for analysis with a disposable polyethylene bailer and transferred to the appropriate laboratory supplied sample containers prefilled with preservative; the water column was allowed to recharge to a minimum of 80 percent of its pre-purge elevation before a groundwater sample was collected

Separate phase hydrocarbons (SPH) were observed in monitoring wells MW-1 and MW-3 at a thickness of 1.80 feet (ft) and 0.22 ft, respectively. SPH has historically been observed in monitoring wells MW-1 and MW-3.

Monitoring wells MW-5 and MW-7 were inaccessible with a vehicle due to steep terrain; therefore, grab samples were collected without collecting field parameter measurements.

Groundwater monitoring and sampling field data sheets are presented in the G-R groundwater monitoring and sampling data package (Attachment 1). Purge water and equipment decontamination water generated during the sampling event was

¹ California Environmental Protection Agency Department of Toxic Substances Control. 2008. *Representative Sampling of Groundwater for Hazardous Substances* (July 1995, revised February 2008). California: February 2008.

transported by Clean Harbors Environmental Services to Evergreen Oil located in Newark, California.

Laboratory Analysis

Subsequent to collection, samples were packed on ice in an attempt to maintain the samples at approximately 4 degrees Celsius (°C), and shipped under appropriate chain-of-custody protocols for analysis to Lancaster Laboratories (Lancaster) of Lancaster, Pennsylvania, a California Department of Public Health certified analytical laboratory. The groundwater samples were analyzed for the following chemicals:

- Total petroleum hydrocarbons as gasoline range organics (TPH-GRO) [C₆-C₁₂] by United States Environmental Protection Agency (USEPA) Method 8015B
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) by USEPA Method 8260B
- Methyl tertiary butyl ether (MTBE) by USEPA Method 8260B

Quality assurance/quality control (QA/QC) samples, including trip blanks, were submitted for laboratory analysis. A laboratory supplied trip blank accompanied each sample delivery group. Trip blank samples were analyzed for TPH-GRO, BTEX and MTBE. Analytes were not detected in the trip blank at concentrations at or above the respective laboratory method detection limit (MDL). The laboratory analytical report and chain-of-custody record for the quarterly groundwater sampling event are presented in Attachment 2. Historical groundwater monitoring data results ending on February 21, 2012 are included in Attachment 3. Current Analytical Groundwater Gauging and Analytical Data for the June 25, 2012 monitoring event are included in Table 1. Historical groundwater monitoring beginning June 25, 2012 are included in Table 2.

Results

Groundwater Flow

Depth-to-water measurements were subtracted from surveyed top of casing elevations to calculate the groundwater elevation at each monitoring well. Depth-to-water measurements and calculated groundwater elevations are presented in Table 1. Calculated groundwater elevation data was used to construct a groundwater elevation contour map of the site (Figure 3).

Groundwater elevations across the site ranged from 301.12 (MW-6) to 301.45 (MW-10) relative to ft mean sea level (MSL). On average, groundwater elevations at the site monitoring wells decreased 0.44 ft from the first quarter 2012 event. The horizontal groundwater flow direction across the site was toward the north at an approximate horizontal hydraulic gradient of 0.001 foot per foot (ft/ft) as shown on the groundwater elevation contour map presented as Figure 3. The predominant groundwater flow direction across the site has been to the north, as depicted on the groundwater flow direction rose diagram presented as Figure 1 of Attachment 4.

Groundwater elevations from monitoring wells MW-3, MW-4 and MW-13 were not consistent with other groundwater elevations; therefore, the groundwater elevations were not used for contouring nor were they presented in the results above.

Groundwater Analytical

Analytical results from the quarterly groundwater monitoring and sampling event are presented in Table 1. Historical analytical results through February 21, 2012, as provided by G-R, are presented in Attachment 3. Historical analytical results beginning July 25, 2012, are presented in Table 2. A concentration map of TPH-GRO, benzene and MTBE across the site are presented as Figure 4. Maximum and minimum concentrations of petroleum hydrocarbon constituents detected in groundwater samples collected during the second quarter of 2012 are presented in the table below:

Constituent	Frequency of Detection Above the MDL ¹	Range of Detected Concentrations in µg/L ²	California Primary MCL ³ in µg/L ²	Frequency of Exceedances	Concentration of MCL Exceedance in µg/L ² (Well ID)
TPH-GRO	8/12	290 – 88,000	--	--	--
Benzene	8/12	21 – 28,000	1	8/8	170 (MW-4); 370 (MW-9); 420 (MW-10); 9,800 (MW-11); 21 (MW-12); 22 (MW-13); 23,000 (MW-14); 28,000 (MW-15)
Toluene	8/12	0.7 – 9,800	150	3/8	7,900 (MW-11); 9,800 (MW-14); 8,400 (MW-15)
Ethylbenzene	8/12	2 – 1,100	300	3/8	880 (MW-11); 1,100 (MW-14); 1,100 (MW-15)
Total Xylenes	8/12	1 – 4,300	1,750	3/8	3,900 (MW-11); 4,300 (MW-14); 4,300 (MW-15)
MTBE	2/12	1 – 2	13	0/2	--

Notes:

1. MDL = method detection limit
2. µg/L = microgram per liter, equivalent to part per billion (ppb)
3. MCL = maximum contaminant level

Chemical concentration ranges of groundwater samples collected during the second quarter of 2012 are generally consistent with the concentration ranges detected during previous quarterly monitoring and sampling events.

Summary and Conclusions

- Groundwater flowed toward the north across the site at an approximate horizontal hydraulic gradient of 0.001 ft/ft
- Benzene, toluene, ethylbenzene and total xylenes were detected above the respective California primary maximum contaminant level (MCL) in groundwater samples collected from the site monitoring network; however, concentrations are stable
- TPH-GRO and MTBE were detected above their respective laboratory method detection limit (MDL) in groundwater samples collected from the site monitoring well network; however, concentrations are stable
- Chemicals of concern are not increasing, and the groundwater plume is stable and has not migrated off site
- SPH was observed in monitoring wells MW-1 and MW-3

Recommendations

ARCADIS recommends the continuation of the groundwater monitoring and sampling program.

Closing

If you have any questions or comments regarding the contents of this report, please contact Tonya Russi of ARCADIS at 916.985.2079 ext. 15 or by e-mail at Tonya.Russi@arcadis-us.com.

Sincerely,

ARCADIS U.S., Inc.

Tonya Russi

Tonya R. Russi
Associate Project Manager

DS

David W. Lay, P.G., C.P.G.
Principal Geologist



Enclosures:

- Table 1 Second Quarter 2012 Groundwater Monitoring Data and Analytical Results
- Table 2 Historical Groundwater Monitoring Data and Analytical Results, Beginning June 25, 2012
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Groundwater Elevation Contour Map, 25 June 2012
- Figure 4 TPH-GRO, Benzene and MTBE Concentration Map, 25 June 2012
- Attachment 1 Groundwater Monitoring and Sampling Data Package, Gettler-Ryan Inc., June 27, 2012
- Attachment 2 Groundwater Analytical Results, Lancaster Laboratories, August 7, 2012
- Attachment 3 Historical Groundwater Monitoring Data and Analytical Results, Ending February 21, 2012
- Attachment 4 Figure 1 (Groundwater Flow Direction Rose Diagram)

Copies:

- Ms. Catalina Espino Devine, Chevron Environmental Management Company
- Ms. Vera Fischer, CRWQCB
- Mr. Ardavan Onori, DM Livermore, Inc.
- Mr. Wyman Hong, Zone 7 Water Agency

Tables

Table 1
Second Quarter 2012 Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station No. 97127
Grant Line Road and Interstate 580, Tracy, California

Well I.D.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (ft msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	Comments
MW-1	06/25/12	SPH	331.93	31.85	1.80	300.08	--	--	--	--	--	--	--
MW-2	06/25/12		329.98	28.60	0.00	301.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-3	06/25/12	SPH	332.03	30.88	0.22	301.15	--	--	--	--	--	--	
MW-4	06/25/12		320.22	27.88	0.00	292.34	1,300	170	44	23	67	<0.5	
MW-5	06/25/12	INA	315.97	14.68	0.00	301.29	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	06/25/12		314.91	13.79	0.00	301.12	<50	<0.5	<0.5	<0.5	<0.5	1	
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-9	06/25/12		332.56	31.13	0.00	301.43	2,400	370	84	59	62	<0.5	
MW-10	06/25/12		331.77	30.32	0.00	301.45	2,500	420	70	27	180	<5.0	
MW-11	06/25/12		331.98	30.63	0.00	301.35	47,000	9,800	7,900	880	3,900	<50	
MW-12	06/25/12		332.53	31.23	0.00	301.30	570	21	0.8	38	3	<0.5	
MW-13	06/25/12		331.60	30.34	0.00	301.26	290	22	0.7	2	1	2	
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-15	06/25/12		332.88	31.51	0.00	301.37	88,000	28,000	8,400	1,100	4,300	<50	

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)

ft-MSL = feet mean sea level

mg/L = Milligram per liter

µg/L = Microgram per liter

< = Analyte was not detected above laboratory method detection limit

- = Not measured or analyzed

INA = Well inaccessible due to steep terrain, grab samples collected

Well Survey Data (TOC Elevation) provided by Virgil Chavez Land Surveying, September 2011

Table 2
Historical Groundwater Monitoring Data and Analytical Results, Beginning June 25, 2012
Former Chevron Service Station No. 97127
Grant Line Road and Interstate 580, Tracy, California

Well I.D.	Date	Notes	TOC Elevation (ft msl)	Depth to Water (feet)	Measured SPH Thickness (feet)	Groundwater Elevation (ft msl)	TPH-GRO (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	Comments
MW-1	06/25/12	SPH	331.93	31.85	1.80	300.08	--	--	--	--	--	--	
MW-2	06/25/12		329.98	28.60	0.00	301.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-3	06/25/12	SPH	332.03	30.88	0.22	301.15	--	--	--	--	--	--	
MW-4	06/25/12		320.22	27.88	0.00	292.34	1,300	170	44	23	67	<0.5	
MW-5	06/25/12	INA	315.97	14.68	0.00	301.29	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	06/25/12		314.91	13.79	0.00	301.12	<50	<0.5	<0.5	<0.5	<0.5	1	
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-9	06/25/12		332.56	31.13	0.00	301.43	2,400	370	84	59	62	<0.5	
MW-10	06/25/12		331.77	30.32	0.00	301.45	2,500	420	70	27	180	<5.0	
MW-11	06/25/12		331.98	30.63	0.00	301.35	47,000	9,800	7,900	880	3,900	<50	
MW-12	06/25/12		332.53	31.23	0.00	301.30	570	21	0.8	38	3	<0.5	
MW-13	06/25/12		331.60	30.34	0.00	301.26	290	22	0.7	2	1	2	
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-15	06/25/12		332.88	31.51	0.00	301.37	88,000	28,000	8,400	1,100	4,300	<50	

Table 2
Historical Groundwater Monitoring Data and Analytical Results, Beginning June 25, 2012
Former Chevron Service Station No. 97127
Grant Line Road and Interstate 580, Tracy, 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)

ft-MSL = feet mean sea level

mg/L = Milligram per liter

µg/L = Microgram per liter

< = Analyte was not detected above laboratory method detection limit

- = Not measured or analyzed

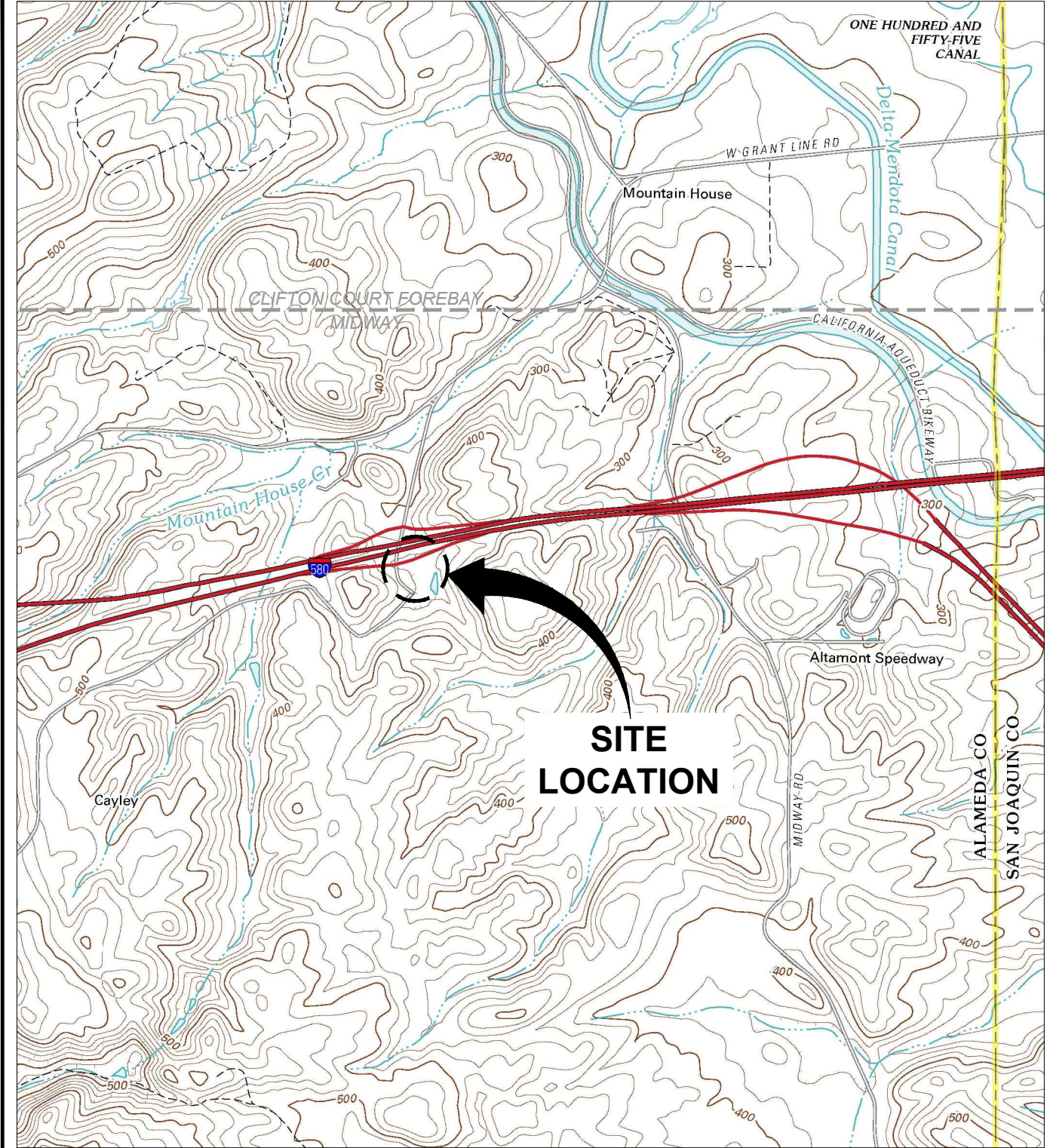
INA = Well inaccessible due to steep terrain, grab samples collected

Well Survey Data (TOC Elevation) provided by Virgil Chavez Land Surveying, September 2011

ARCADIS

Figures

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS C:\Users\jmharris\Desktop\ENV\CAD\B0047959\000\000\WR\2012\DWG\47959\01.dwg LAYOUT: 1 SAVED: 8/8/2012 12:53 PM ACADVER: 18.1S (LIMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 8/8/2012 12:55 PM BY: HARRIS, JESSICA



SITE LOCATION

REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., MIDWAY AND CLIFTON COURT FOREBAY, CALIFORNIA, 2012.



Approximate Scale: 1 in. = 2000 ft.



CALIFORNIA

<p>CHEVRON SITE ID 97127 GRANT LINE ROAD AND INTERSTATE 580 TRACY, CALIFORNIA SECOND QUARTER 2012 GROUNDWATER MONITORING REPORT</p>	
<p>SITE LOCATION MAP</p>	
	<p>FIGURE 1</p>

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GRANT LINE ROAD

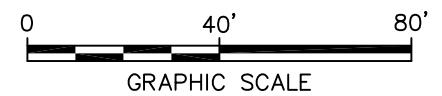
INTERSTATE 580 ON RAMP



- LEGEND
- PROPERTY BOUNDARY
 - x-x-x- FENCE
 - MW-1 (blue circle with cross) MONITORING WELL LOCATION
 - WSW-1 (circle with cross) WATER SUPPLY WELL (LIVESTOCK)



- NOTES:
1. MONITORING WELL LOCATIONS BASED ON SURVEY DATA PROVIDED BY VIRGIL CHAVEZ LAND SURVEYING (SEPTEMBER 2011) DRAWING FILE 305620cad.dwg. MW-6 LOCATION WAS NOT SURVEYED AND IS APPROXIMATE.
 2. MAP MODIFIED FROM CONESTOGA-ROVERS & ASSOCIATES (CRA) FIGURE ENTITLED "FIGURE 2 CONCENTRATION MAP" DATED FEBRUARY 21, 2012, DRAWING FILE xsite.dwg. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.



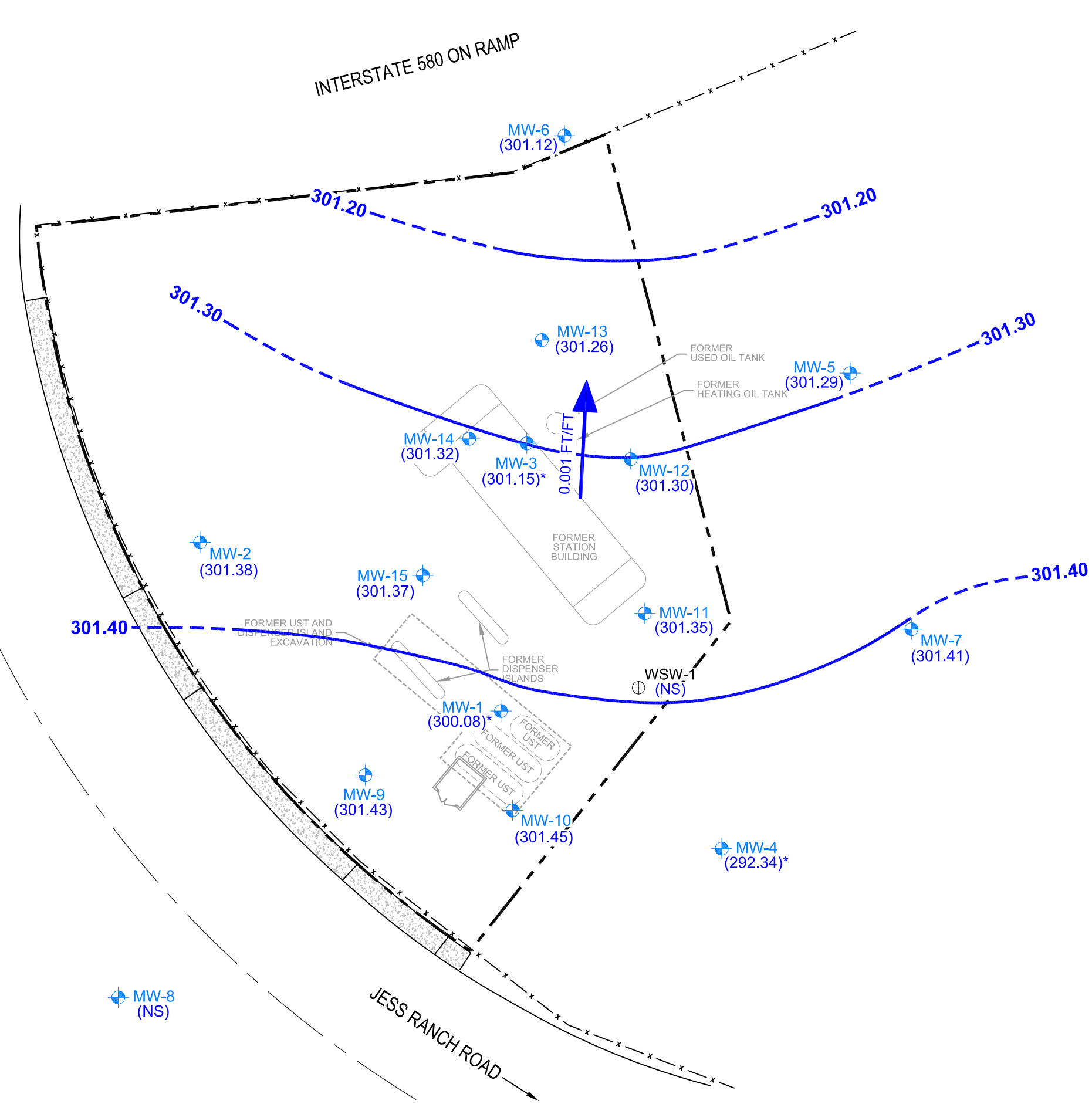
CHEVRON SITE ID 97127 GRANT LINE ROAD AND INTERSTATE 580 TRACY, CALIFORNIA SECOND QUARTER 2012 GROUNDWATER MONITORING REPORT	
SITE PLAN	
	FIGURE 2

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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GRANT LINE ROAD

INTERSTATE 580 ON RAMP

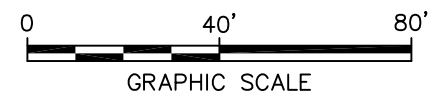
JESS RANCH ROAD



LEGEND

	PROPERTY BOUNDARY
	FENCE
	MONITORING WELL LOCATION
	WATER SUPPLY WELL (LIVESTOCK)
	GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)
	GROUNDWATER ELEVATION CONTOUR IN FT MSL (DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION AND GRADIENT IN FOOT PER FOOT (FT/FT)
*	NOT USED FOR CONTOURING
(NS)	NOT SAMPLED

- NOTES:
- MONITORING WELL LOCATIONS BASED ON SURVEY DATA PROVIDED BY VIRGIL CHAVEZ LAND SURVEYING (SEPTEMBER 2011) DRAWING FILE 305620cad.dwg. MW-6 LOCATION WAS NOT SURVEYED AND IS APPROXIMATE.
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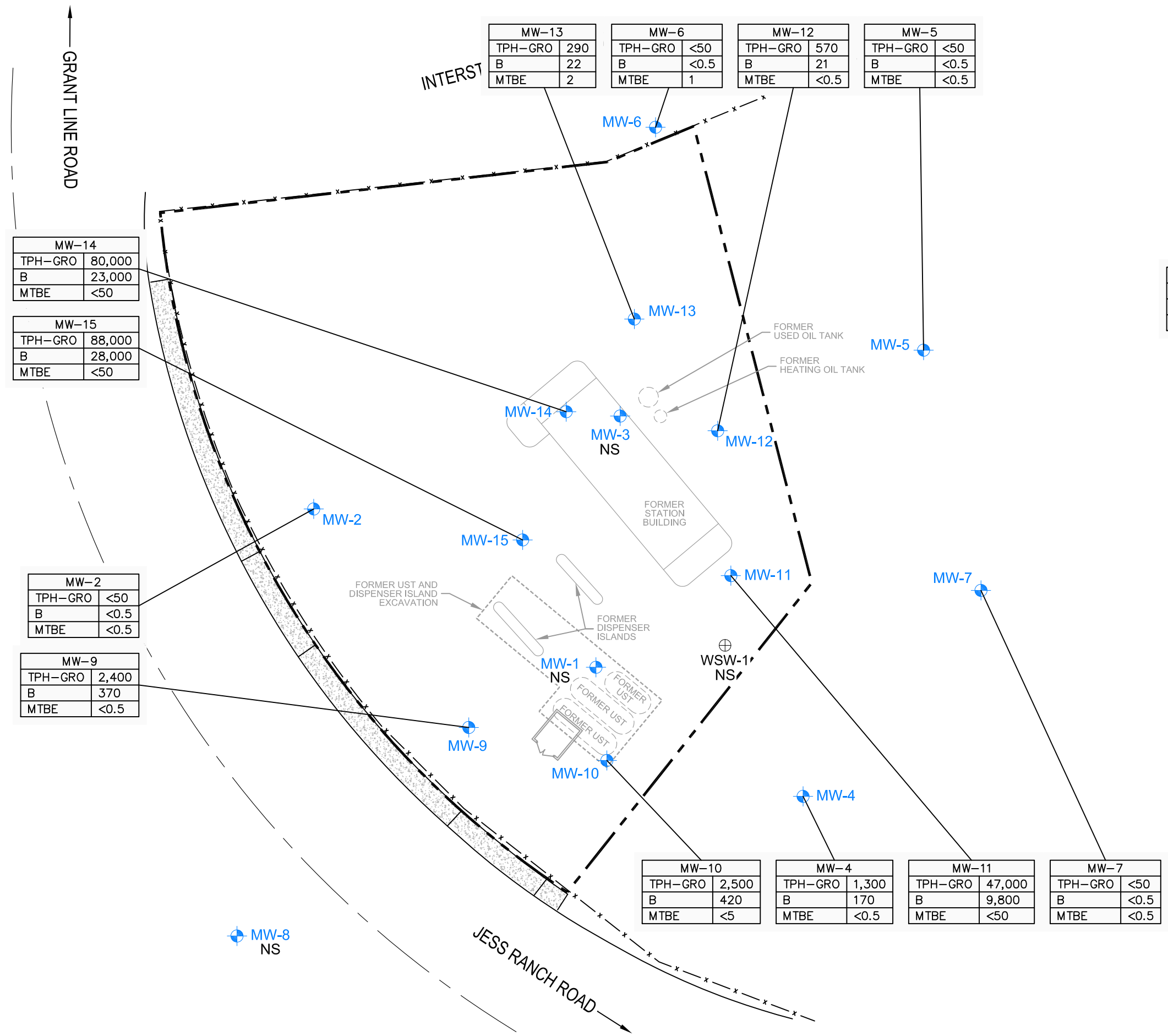


CHEVRON SITE ID 97127
 GRANT LINE ROAD AND INTERSTATE 580
 TRACY, CALIFORNIA
**SECOND QUARTER 2012
 GROUNDWATER MONITORING REPORT**

**GROUNDWATER ELEVATION
 CONTOUR MAP
 JUNE 25, 2012**

ARCADIS

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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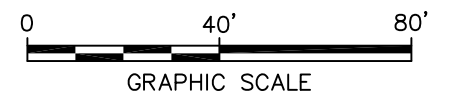
LEGEND

- PROPERTY BOUNDARY
- FENCE
- MW-1 MONITORING WELL LOCATION
- WSW-1 WATER SUPPLY WELL (LIVESTOCK)

BORING ID
CONCENTRATION (µg/L)
ANALYTE

TPH-GRO TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
 B BENZENE
 MTBE METHYL TERTIARY BUTYL ETHER
 µg/L MICROGRAMS PER LITER
 < NOT DETECTED AT OR ABOVE STATED LABORATORY REPORTING LIMIT
 NS WELL NOT SAMPLED

- NOTES:**
- MONITORING WELL LOCATIONS BASED ON SURVEY DATA PROVIDED BY VIRGIL CHAVEZ LAND SURVEYING (SEPTEMBER 2011) DRAWING FILE 305620cad.dwg. MW-6 LOCATION WAS NOT SURVEYED AND IS APPROXIMATE.
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CHEVRON SITE ID 97127
 GRANT LINE ROAD AND INTERSTATE 580
 TRACY, CALIFORNIA
**SECOND QUARTER 2012
 GROUNDWATER MONITORING REPORT**
**TPH-GRO, BENZENE AND MTBE
 CONCENTRATION MAP
 JUNE 25, 2012**

FIGURE
4

ARCADIS

Attachment 1

Groundwater Monitoring and
Sampling Data Package,
Gettler-Ryan Inc.,
June 27, 2012



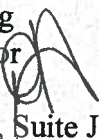
GETTLER-RYAN INC.



TRANSMITTAL

June 27, 2012
G-R #385251

TO: Ms. Tonya Russi
ARCADIS
950 Glenn Drive, Suite 125
Folsom, CA 95630

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc. 
6747 Sierra Court, Suite J
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 June 25, 2012

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: 6-25-11
 Sampler: FT

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y(N)	REPLACE CAP Y(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / (No)
MW-1	OK	NH	NH	NH	OK	→				STOVEPIPE	
MW-2	OK	↓	↓	↓	OK	→				↓	
MW-3	OK	↓	↓	↓	OK	→				↓	
MW-4	OK	→					→			EMCO 12" / 2	
MW-5	OK	NH	NH	NH	OK	→				STOVEPIPE	
MW-6	OK	→		SZI	OK	→				EMCO 12" / 4	
MW-7	OK	NH	NH	NH	OK	→				STOVEPIPE	
MW-9	OK	↓	↓	↓	OK	→				↓	
MW-10	OK	↓	↓	↓	OK	→				↓	
MW-11	OK	↓	↓	↓	OK	→				↓	
MW-12	OK	↓	↓	↓	OK	→				↓	
MW-13	OK	↓	↓	↓	OK	→				↓	
MW-14	OK	↓	↓	↓	OK	→				↓	
MW-15	OK	↓	↓	↓	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 Evergreen Oil located in Newark, California.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385251
 Event Date: 6-25-12 (inclusive)
 Sampler: FC

Well ID: MW-1
 Well Diameter: 4
 Total Depth: 39.44 ft.
 Depth to Water: 31.85 ft.
7.59 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6-25-12

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

Check if water column is less than 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 _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 30.05 ft
 Depth to Water: 31.85 ft
 Hydrocarbon Thickness: 1.90 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-2
 Well Diameter: 2
 Total Depth: 38.44 ft.
 Depth to Water: 28.60 ft.
9.84 xVF .17 = 1.67

Date Monitored: 6-25-12

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

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 30.56 gal.

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1300 Weather Conditions: SUNNY
 Sample Time/Date: 1323 6-25-12 Water Color: CLEAR Odor: Y10
 Approx. Flow Rate: _____ gpm. Sediment Description: NONE
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 29.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - US)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>1304</u>	<u>1.5</u>	<u>7.65</u>	<u>656</u>	<u>20.7</u>		
<u>1308</u>	<u>3.0</u>	<u>7.62</u>	<u>650</u>	<u>20.4</u>		
<u>1313</u>	<u>5.0</u>	<u>7.59</u>	<u>645</u>	<u>20.1</u>		

LABORATORY INFORMATION

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

COMMENTS:

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-3
 Well Diameter: 2
 Total Depth: 40.05 ft.
 Depth to Water: 30.88 ft.
9.17 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6-25-12

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

Check if water column is less than 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 _____
- Suction Pump _____
- Grundfos _____
- Peristaltic Pump _____
- QED Bladder Pump _____
- Other: _____

Sampling Equipment:

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

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: 30.66 ft
 Depth to Water: 30.88 ft
 Hydrocarbon Thickness: 0.22 ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____ gal

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: ET

Well ID: MW-4 Date Monitored: 6-25-12

Well Diameter: 2
 Total Depth: 31.76 ft.

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

Depth to Water: 27.88 ft. Check if water column is less than 0.50 ft.
3.88 xVF .17 = .65 x3 case volume = Estimated Purge Volume: 2.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 28.65

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

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

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

Start Time (purge): 1815 Weather Conditions: SUNNY / WINDY
 Sample Time/Date: 1835 6-25-12 Water Color: LT-BRU Odor: DI N MOD SWEET
 Approx. Flow Rate: — gpm. Sediment Description: S. SILTY
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 28.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>DS</u>)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1818</u>	<u>.75</u>	<u>6.95</u>	<u>890</u>	<u>20.4</u>	_____	_____
<u>1821</u>	<u>1.5</u>	<u>6.92</u>	<u>885</u>	<u>20.2</u>	_____	_____
<u>1824</u>	<u>2.0</u>	<u>6.90</u>	<u>881</u>	<u>20.0</u>	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-5
 Well Diameter: 2
 Total Depth: 28.16 ft.
 Depth to Water: 14.68 ft.
13.48 xVF _____ = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6-25-12

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

Check if water column is less than 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 _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

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

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

Start Time (purge): _____ Weather Conditions: SUNNY
 Sample Time/Date: 1445 6-25-12 Water Color: CLEAN Odor: Y/N
 Approx. Flow Rate: _____ gpm. Sediment Description: NOPE
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

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

LABORATORY INFORMATION

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

COMMENTS: UNABLE TO ACCESS WITH TRUCK VERY STEEP TERRAIN, TOOK NO POINT & QUAB SAMPLE.

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



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: 6-25-n (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-6 Date Monitored: 6-25-n
 Well Diameter: 2
 Total Depth: 28.83 ft.
 Depth to Water: 13.79 ft. Check if water column is less than 0.50 ft.
15.04 xVF .17 = 2.55 x3 case volume = Estimated Purge Volume: 7.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.79

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1345 Weather Conditions: Sunny
 Sample Time/Date: 1415 6-25-n Water Color: Clean Odor: Y / N
 Approx. Flow Rate: / gpm. Sediment Description: None
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 13.90

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>1351</u>	<u>2.5</u>	<u>7.47</u>	<u>649</u>	<u>21.1</u>		
<u>1357</u>	<u>3.0</u>	<u>7.44</u>	<u>644</u>	<u>20.9</u>		
<u>1403</u>	<u>7.5</u>	<u>7.41</u>	<u>638</u>	<u>20.6</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-7
 Well Diameter: 2
 Total Depth: 28.19 ft.
 Depth to Water: 14.98 ft.
13.21 xVF = _____ x3 case volume = Estimated Purge Volume: _____ gal.

Date Monitored: 6-25-12

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

Check if water column is less than 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 _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

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

Start Time (purge): _____ Weather Conditions: Sunny
 Sample Time/Date: 1500 6.25.12 Water Color: Clean Odor: Y/N
 Approx. Flow Rate: _____ gpm. Sediment Description: NONE
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

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

LABORATORY INFORMATION

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

COMMENTS: UNABLE TO ACCESS WITH TRUCK VERY STEEP TERRAIN. TOOK NO PULVE GRAB SAMPLE.

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-9 Date Monitored: 6.25.12
 Well Diameter: 2"
 Total Depth: 40.69 ft.
 Depth to Water: 31.13 ft. Check if water column is less than 0.50 ft.
9.56 xVF .17 = 1.62 x3 case volume = Estimated Purge Volume: 5.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.04

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1735 Weather Conditions: SUNNY
 Sample Time/Date: 1800 6.25.12 Water Color: 600 Odor: D/N STRONG
 Approx. Flow Rate: _____ gpm. Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>1739</u>	<u>1.5</u>	<u>6.90</u>	<u>878</u>	<u>21.1</u>		
<u>1743</u>	<u>3.0</u>	<u>6.87</u>	<u>873</u>	<u>20.8</u>		
<u>1748</u>	<u>5.0</u>	<u>6.84</u>	<u>869</u>	<u>20.6</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-10
 Well Diameter: 2
 Total Depth: 40.43 ft.
 Depth to Water: 30.32 ft.
10.11 x VF .17 = 1.71

Date Monitored: 6.25.12

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.34

Purge Equipment:

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

Sampling Equipment:

Disposable Bailer /
 Pressure Bailer _____
 Metal Filters _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

Start Time (purge): 1927 Weather Conditions: SUNNY / WINDY
 Sample Time/Date: 1945 / 6.25.12 Water Color: 6.0 Odor: D/N MODERATE
 Approx. Flow Rate: / gpm. Sediment Description: SILTY
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>US</u>)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1931</u>	<u>1.5</u>	<u>7.03</u>	<u>900</u>	<u>20.5</u>	_____	_____
<u>1935</u>	<u>3.0</u>	<u>6.99</u>	<u>894</u>	<u>20.2</u>	_____	_____
<u>1940</u>	<u>5.0</u>	<u>6.96</u>	<u>888</u>	<u>19.9</u>	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-11 Date Monitored: 6-25-12
 Well Diameter: 2
 Total Depth: 37.72 ft.
 Depth to Water: 30.63 ft. Check if water column is less than 0.50 ft.
7.09 xVF -17 = 1.20 x3 case volume = Estimated Purge Volume: 3.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.04

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1850 Weather Conditions: SUNNY / WINDY
 Sample Time/Date: 1912 / 6-25-12 Water Color: blue Odor: DIN STANK
 Approx. Flow Rate: 1 gpm. Sediment Description: SILT
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.65

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>US</u>)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1853</u>	<u>1.0</u>	<u>6.94</u>	<u>894</u>	<u>20.0</u>	_____	_____
<u>1856</u>	<u>2.0</u>	<u>6.90</u>	<u>889</u>	<u>19.8</u>	_____	_____
<u>1900</u>	<u>3.5</u>	<u>6.87</u>	<u>884</u>	<u>19.6</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>6</u> x vva vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)

COMMENTS:

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FT

Well ID: MW-12 Date Monitored: 6.25.12
 Well Diameter: 2
 Total Depth: 35.43 ft.
 Depth to Water: 31.23 ft. Check if water column is less than 0.50 ft.
4.20 xVF .17 = .71 x3 case volume = Estimated Purge Volume: 2.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.07

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

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

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

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

Start Time (purge): 1520 Weather Conditions: Sunny
 Sample Time/Date: 1540 6.25.12 Water Color: Grey Odor: Y 10
 Approx. Flow Rate: 1 gpm. Sediment Description: Silty
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.85

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>1523</u>	<u>.75</u>	<u>6.80</u>	<u>603</u>	<u>20.1</u>		
<u>1526</u>	<u>1.5</u>	<u>6.77</u>	<u>610</u>	<u>19.9</u>		
<u>1529</u>	<u>2.0</u>	<u>6.75</u>	<u>615</u>	<u>19.7</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FT

Well ID: MW-13 Date Monitored: 6.25.12
 Well Diameter: 2
 Total Depth: 41.65 ft.
 Depth to Water: 30.34 ft. Check if water column is less than 0.50 ft.
11.31 x VF .17 = 1.92 x3 case volume = Estimated Purge Volume: 6.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.60

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

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

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

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

Start Time (purge): 1600 Weather Conditions: SUNNY
 Sample Time/Date: 1625 16.25.12 Water Color: low Odor: DN SLIGHT
 Approx. Flow Rate: _____ gpm. Sediment Description: S. SILTY
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.14

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
<u>1605</u>	<u>2.0</u>	<u>7.02</u>	<u>898</u>	<u>20.3</u>		
<u>1610</u>	<u>4.0</u>	<u>6.98</u>	<u>892</u>	<u>20.1</u>		
<u>1615</u>	<u>6.0</u>	<u>6.95</u>	<u>887</u>	<u>19.9</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6.25.12 (inclusive)
 City: Tracy, CA Sampler: FT

Well ID: MW-14 Date Monitored: 6.25.12
 Well Diameter: 2
 Total Depth: 36.49 ft.
 Depth to Water: 30.92 ft. Check if water column is less than 0.50 ft.
5.57 xVF .17 = .94 x3 case volume = Estimated Purge Volume: 30 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 32.03

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

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

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

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

Start Time (purge): 1720 Weather Conditions: SUNNY
 Sample Time/Date: 1720 / 6.25.12 Water Color: gray Odor: 0 / N straw
 Approx. Flow Rate: — gpm. Sediment Description: SILTY
 Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 31.90

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - <u>DS</u>)	Temperature (° / F)	D.O. (mg/L)	ORP (mV)
<u>1703</u>	<u>1.0</u>	<u>6.82</u>	<u>887</u>	<u>21.0</u>	_____	_____
<u>1706</u>	<u>2.0</u>	<u>6.79</u>	<u>882</u>	<u>20.9</u>	_____	_____
<u>1709</u>	<u>3.0</u>	<u>6.76</u>	<u>878</u>	<u>20.7</u>	_____	_____

LABORATORY INFORMATION

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

COMMENTS: _____

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



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: 6-25-12 (inclusive)
 City: Tracy, CA Sampler: FR

Well ID: MW-15 Date Monitored: 6-25-12
 Well Diameter: 2
 Total Depth: 39.21 ft.
 Depth to Water: 31.51 ft. Check if water column is less than 0.50 ft.
7.70 xVF .17 = 1.30 x3 case volume = Estimated Purge Volume: 4.0 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 33.05

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

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

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

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

Start Time (purge): 1640 Weather Conditions: SLYNY
 Sample Time/Date: 1705 16-25-12 Water Color: 6024 Odor: DIN / STRONG
 Approx. Flow Rate: _____ gpm. Sediment Description: SILTY
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 32.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25°C)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>1644</u>	<u>1.5</u>	<u>6.98</u>	<u>875</u>	<u>21.1</u>		
<u>1648</u>	<u>3.0</u>	<u>6.95</u>	<u>869</u>	<u>20.9</u>		
<u>1652</u>	<u>4.0</u>	<u>6.92</u>	<u>863</u>	<u>20.6</u>		

LABORATORY INFORMATION

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

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: _____ Sample # _____ Group #: **009918**

062612-01

Facility #: <u>SS#9-7127-OML G-R#385251 Global ID#T0600102298</u>			Matrix		Analyses Requested												Preservative Codes							
Site Address: <u>580 AND GRANT LINE ROAD, TRACY, CA</u>					Potable <input type="checkbox"/>	NPDES <input type="checkbox"/>													H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits					
Chevron PM: <u>CED</u> Lead Consultant: <u>ARCADIST Russi</u>			Total Number of Containers		Preservation Codes																			
Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u>					Soil <input type="checkbox"/>	Water <input type="checkbox"/>	Oil <input type="checkbox"/> Air <input type="checkbox"/>	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead	Method	Dissolved Lead	Method					Comments / Remarks			
Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u>					Grab	Composite																		
Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u>																								
Sampler: <u>Elaine T. Sun NOMI</u>																								
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil <input type="checkbox"/> Air <input type="checkbox"/>	Total Number of Containers	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead	Method	Dissolved Lead	Method							
<i>QA</i>	<i>6-25-12</i>					<i>W</i>		<i>2</i>	<i>X</i>	<i>X</i>								10 of 2						
<i>MW-2</i>		<i>1323</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-4</i>		<i>1835</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-5</i>		<i>1445</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-6</i>		<i>1415</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-7</i>		<i>1500</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-9</i>		<i>1800</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-10</i>		<i>1945</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-11</i>		<i>1916</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-12</i>		<i>1540</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-13</i>		<i>1625</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-14</i>		<i>1720</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
<i>MW-15</i>		<i>1705</i>	<i>X</i>					<i>6</i>	<i>X</i>	<i>X</i>														
Turnaround Time Requested (TAT) (please circle)			Relinquished by: <i>J. L. ...</i>			Date: <i>6-25-12</i> Time: <i>1655</i>		Received by: <i>A. ...</i>			Date: <i>26 JUN 12</i> Time: <i>1655</i>													
STD. TAT			Relinquished by:			Date:		Received by:			Date:		Time:											
72 hour																								
48 hour																								
24 hour																								
4 day																								
5 day																								
Data Package Options (please circle if required)			Relinquished by:			Date:		Received by:			Date:		Time:											
QC Summary Type I - Full			Relinquished by Commercial Carrier:			Received by:			Date:		Time:													
Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed			UPS FedEx Other _____																					
WIP (RWQCB)			Temperature Upon Receipt _____ C°			Custody Seals Intact? Yes No																		
Disk																								

ARCADIS

Attachment 2

Groundwater Analytical Results,
Lancaster Laboratories,
August 7, 2012

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
L4310
6001 Bollinger Canyon Rd.
San Ramon CA 94583

August 07, 2012

Project: 97127

Submittal Date: 06/27/2012
Group Number: 1318548
PO Number: 0015098202
Release Number: ESPINO DEVINE

State of Sample Origin: CA

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
QA-T-120625 NA Water	6703247
MW-2-W-120625 Grab Water	6703248
MW-4-W-120625 Grab Water	6703249
MW-5-W-120625 Grab Water	6703250
MW-6-W-120625 Grab Water	6703251
MW-7-W-120625 Grab Water	6703252
MW-9-W-120625 Grab Water	6703253
MW-10-W-120625 Grab Water	6703254
MW-11-W-120625 Grab Water	6703255
MW-12-W-120625 Grab Water	6703256
MW-13-W-120625 Grab Water	6703257
MW-14-W-120625 Grab Water	6703258
MW-15-W-120625 Grab Water	6703259

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

ELECTRONIC Arcadis c/o Gettler-Ryan
COPY TO
ELECTRONIC Arcadis
COPY TO

Attn: Rachelle Munoz

Attn: Tonya Russi

Respectfully Submitted,



Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: QA-T-120625 NA Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 QA

LLI Sample # WW 6703247
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012

Chevron

Submitted: 06/27/2012 09:25

L4310

Reported: 08/07/2012 17:06

6001 Bollinger Canyon Rd.
 San Ramon CA 94583

GLTQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121852AA	07/03/2012 18:27	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121852AA	07/03/2012 18:27	Michael A Ziegler	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 11:38	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 11:38	Catherine J Schwarz	1

Sample Description: MW-2-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-2

LLI Sample # WW 6703248
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 13:23 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F121842AA	07/02/2012 07:38	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F121842AA	07/02/2012 07:38	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 12:22	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 12:22	Catherine J Schwarz	1

Sample Description: MW-4-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-4

LLI Sample # WW 6703249
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 18:35 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	170	5	10
10943	Ethylbenzene	100-41-4	23	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	44	0.5	1
10943	Xylene (Total)	1330-20-7	67	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,300	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 13:21	Kelly E Keller	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 19:27	Kelly E Keller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 13:21	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D121862AA	07/04/2012 19:27	Kelly E Keller	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 14:33	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 14:33	Catherine J Schwarz	1

Sample Description: MW-5-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-5

LLI Sample # WW 6703250
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 14:45 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 13:44	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 13:44	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 12:44	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 12:44	Catherine J Schwarz	1

Sample Description: MW-6-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-6

LLI Sample # WW 6703251
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 14:15 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 14:07	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 14:07	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 13:06	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 13:06	Catherine J Schwarz	1

Sample Description: MW-7-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-7

LLI Sample # WW 6703252
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 15:00 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 14:30	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 14:30	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 13:28	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 13:28	Catherine J Schwarz	1

Sample Description: MW-9-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-9

LLI Sample # WW 6703253
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 18:00 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	370	5	10
10943	Ethylbenzene	100-41-4	59	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	84	0.5	1
10943	Xylene (Total)	1330-20-7	62	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,400	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 14:53	Kelly E Keller	1
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 19:50	Kelly E Keller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 14:53	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D121862AA	07/04/2012 19:50	Kelly E Keller	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 13:50	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 13:50	Catherine J Schwarz	1

Sample Description: MW-10-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-10

LLI Sample # WW 6703254
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 19:45 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	420	5	10
10943	Ethylbenzene	100-41-4	27	5	10
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5	10
10943	Toluene	108-88-3	70	5	10
10943	Xylene (Total)	1330-20-7	180	5	10
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,500	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 15:16	Kelly E Keller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 15:16	Kelly E Keller	10
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 14:11	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 14:11	Catherine J Schwarz	1

Sample Description: MW-11-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-11

LLI Sample # WW 6703255
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 19:12 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	9,800	50	100
10943	Ethylbenzene	100-41-4	880	50	100
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	50	100
10943	Toluene	108-88-3	7,900	50	100
10943	Xylene (Total)	1330-20-7	3,900	50	100
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	47,000	5,000	100

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 15:39	Kelly E Keller	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 15:39	Kelly E Keller	100
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 16:45	Catherine J Schwarz	100
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 16:45	Catherine J Schwarz	100

Sample Description: MW-12-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-12

LLI Sample # WW 6703256
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 15:40 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	21	0.5	1
10943	Ethylbenzene	100-41-4	38	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10943	Toluene	108-88-3	0.8	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	570	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 16:01	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 16:01	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 15:17	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 15:17	Catherine J Schwarz	1

Sample Description: MW-13-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-13

LLI Sample # WW 6703257
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 16:25 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles			SW-846 8260B	ug/l	
10943	Benzene	71-43-2	22	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1
10943	Toluene	108-88-3	0.7	0.5	1
10943	Xylene (Total)	1330-20-7	1	0.5	1
GC Volatiles			SW-846 8015B	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	290	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 16:24	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 16:24	Kelly E Keller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 15:39	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 15:39	Catherine J Schwarz	1

Sample Description: MW-14-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-14

LLI Sample # WW 6703258
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 17:20 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	23,000	250	500
10943	Ethylbenzene	100-41-4	1,100	50	100
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	50	100
10943	Toluene	108-88-3	9,800	50	100
10943	Xylene (Total)	1330-20-7	4,300	50	100
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	80,000	10,000	200

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 16:47	Kelly E Keller	100
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z121871AA	07/06/2012 01:59	Michael A Ziegler	500
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 16:47	Kelly E Keller	100
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z121871AA	07/06/2012 01:59	Michael A Ziegler	500
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 17:17	Catherine J Schwarz	200
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 17:17	Catherine J Schwarz	200

Sample Description: MW-15-W-120625 Grab Water
 Facility# 97127 Job# 385251 GRD
 I-580 & Grant Line-Tracy T0600102298 MW-15

LLI Sample # WW 6703259
 LLI Group # 1318548
 Account # 11928

Project Name: 97127

Collected: 06/25/2012 17:05 by FT Chevron
 L4310
 Submitted: 06/27/2012 09:25 6001 Bollinger Canyon Rd.
 Reported: 08/07/2012 17:06 San Ramon CA 94583

GLT15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B			ug/l	ug/l	
10943	Benzene	71-43-2	28,000	250	500
10943	Ethylbenzene	100-41-4	1,100	50	100
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	50	100
10943	Toluene	108-88-3	8,400	50	100
10943	Xylene (Total)	1330-20-7	4,300	50	100
GC Volatiles SW-846 8015B			ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	88,000	10,000	200

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D121862AA	07/04/2012 17:10	Kelly E Keller	100
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z121871AA	07/06/2012 02:22	Michael A Ziegler	500
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D121862AA	07/04/2012 17:10	Kelly E Keller	100
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z121871AA	07/06/2012 02:22	Michael A Ziegler	500
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12184A20A	07/05/2012 17:39	Catherine J Schwarz	200
01146	GC VOA Water Prep	SW-846 5030B	1	12184A20A	07/05/2012 17:39	Catherine J Schwarz	200

Quality Control Summary

Client Name: Chevron

Group Number: 1318548

Reported: 08/07/12 at 05:06 PM

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: D121852AA	Sample number(s): 6703247							
Benzene	N.D.	0.5	ug/l	99		77-121		
Ethylbenzene	N.D.	0.5	ug/l	87		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	91		68-121		
Toluene	N.D.	0.5	ug/l	90		79-120		
Xylene (Total)	N.D.	0.5	ug/l	88		77-120		
Batch number: D121862AA	Sample number(s): 6703249-6703259							
Benzene	N.D.	0.5	ug/l	116		77-121		
Ethylbenzene	N.D.	0.5	ug/l	98		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		68-121		
Toluene	N.D.	0.5	ug/l	102		79-120		
Xylene (Total)	N.D.	0.5	ug/l	98		77-120		
Batch number: F121842AA	Sample number(s): 6703248							
Benzene	N.D.	0.5	ug/l	97		77-121		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	87		68-121		
Toluene	N.D.	0.5	ug/l	100		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		77-120		
Batch number: Z121871AA	Sample number(s): 6703258-6703259							
Benzene	N.D.	0.5	ug/l	103		77-121		
Batch number: 12184A20A	Sample number(s): 6703247-6703259							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	90	91	75-135	1	30

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: D121852AA	Sample number(s): 6703247 UNSPK: P704012								
Benzene	80	101	72-134	6	30				
Ethylbenzene	99	102	71-134	2	30				
Methyl Tertiary Butyl Ether	85	96	72-126	6	30				
Toluene	102	100	80-125	2	30				
Xylene (Total)	99	98	79-125	1	30				
Batch number: D121862AA	Sample number(s): 6703249-6703259 UNSPK: P703605								

*- 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
Reported: 08/07/12 at 05:06 PM

Group Number: 1318548

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Benzene	122	124	72-134	2	30				
Ethylbenzene	105	106	71-134	2	30				
Methyl Tertiary Butyl Ether	103	106	72-126	3	30				
Toluene	106	108	80-125	2	30				
Xylene (Total)	102	104	79-125	2	30				
Batch number: F121842AA Sample number(s): 6703248 UNSPK: 6703248									
Benzene	102	101	72-134	0	30				
Ethylbenzene	101	99	71-134	2	30				
Methyl Tertiary Butyl Ether	89	89	72-126	0	30				
Toluene	107	105	80-125	2	30				
Xylene (Total)	101	100	79-125	1	30				
Batch number: Z121871AA Sample number(s): 6703258-6703259 UNSPK: P703478									
Benzene	99	100	72-134	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: UST VOCs by 8260B - Water
Batch number: D121852AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6703247	108	102	95	95
Blank	109	104	94	96
LCS	104	102	92	105
MS	103	99	95	108
MSD	102	98	94	108
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: D121862AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6703249	99	94	94	105
6703250	109	101	93	99
6703251	106	100	92	98
6703252	106	98	92	99
6703253	100	94	94	108
6703254	104	99	95	105
6703255	105	98	93	102
6703256	104	98	93	103
6703257	102	95	94	103
6703258	104	96	94	104
6703259	102	96	93	104
Blank	107	100	94	98
LCS	104	101	92	108

*- 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
Reported: 08/07/12 at 05:06 PM

Group Number: 1318548

Surrogate Quality Control

MS	105	102	92	110
MSD	103	98	93	109

Limits: 80-116 77-113 80-113 78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: F121842AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
----------------------	-----------------------	------------	----------------------

6703248	98	102	100	91
Blank	97	101	100	92
LCS	94	101	101	99
MS	94	101	101	98
MSD	95	100	100	97

Limits: 80-116 77-113 80-113 78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: Z121871AA

Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
----------------------	-----------------------	------------	----------------------

Blank	104	100	103	89
LCS	99	100	103	100
MS	98	99	104	98
MSD	99	100	104	97

Limits: 80-116 77-113 80-113 78-113

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

Batch number: 12184A20A

Trifluorotoluene-F

6703247	85
6703248	86
6703249	103
6703250	84
6703251	85
6703252	85
6703253	126
6703254	106
6703255	87
6703256	98
6703257	84
6703258	85
6703259	85
Blank	86
LCS	108
LCSD	109

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



For Lancaster Laboratories use only

Acct #: 11928 Sample # 6703241-59 Group #: 009918

662612-01

C# 1318548

Facility #: <u>SS#9-7127-OML G-R#385251 Global ID#T0600102298</u> Site Address: <u>1580 AND GRANT LINE ROAD, TRACY, CA</u> Chevron PM: <u>CED</u> Lead Consultant: <u>ARCADIST Russi</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u> Consultant Prj. Mgr: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>Frank T. Zumboni</u>			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Oil <input type="checkbox"/> Air		Analyses Requested Preservation Codes: <u>A H</u> BTEX + MTBE 8260 <input checked="" type="checkbox"/> TPH 8015 MOD GFO <input type="checkbox"/> TPH 8015 MOD DFO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> Total Lead Method <input type="checkbox"/> Dissolved Lead Method <input type="checkbox"/>										Preservative Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <input type="checkbox"/> J value reporting needed <input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits		
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GFO	TPH 8015 MOD DFO	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	Comments / Remarks
<u>QA</u>	<u>6-25-12</u>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						1 of 2
<u>MW-2</u>		<u>1323</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-4</u>		<u>1835</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-5</u>		<u>1445</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-6</u>		<u>1415</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-7</u>		<u>1500</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-9</u>		<u>1800</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-10</u>		<u>1945</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-11</u>		<u>1912</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-12</u>		<u>1540</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-13</u>		<u>1625</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-14</u>		<u>1720</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<u>MW-15</u>		<u>1705</u>	<input checked="" type="checkbox"/>						<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> STD. TAT 72 hour 48 hour 24 hour 4 day 5 day			Relinquished by: <u>[Signature]</u> Date: <u>6-25-12</u> Time: <u>1655</u>		Received by: <u>[Signature]</u> Date: <u>26 JUN 12</u> Time: <u>1655</u>	
			Relinquished by: <u>[Signature]</u> Date: <u>25 JUN 12</u> Time: <u>1630</u>		Received by: <u>FEDEX</u> Date: Time:	
			Relinquished by: Date: Time:		Received by: Date: Time:	
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed EDF/EDD WIP (RWQCB) Disk			Relinquished by Commercial Carrier: UPS <input checked="" type="radio"/> FedEx Other:		Received by: <u>[Signature]</u> Date: <u>6-27-12</u> Time: <u>9:45</u>	
			Temperature Upon Receipt: <u>2.0-3.1</u> °C		Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No	

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
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 - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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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ARCADIS

Attachment 3

Historical Groundwater Monitoring
Data and Analytical Results,
Ending February 21, 2012

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1											
12/28/92 ²⁵	329.17	299.73**	30.78	1.67	--	--	--	--	--	--	--
02/15/94	329.17	299.40	29.77	--	--	99,000	20,000	24,000	2000	9800	--
04/21/94	329.17	299.32	29.85	--	--	--	--	--	--	--	--
06/01/94	329.17	299.25	29.92	--	--	56,000	12,000	15,000	1100	5800	--
06/28/94	329.17	299.02	30.15	--	--	--	--	--	--	--	--
07/19/94	329.17	308.87	20.30	--	--	--	--	--	--	--	--
09/02/94	329.17	298.96	30.61	0.50	--	--	--	--	--	--	--
09/12/94	329.17	298.04	31.66	0.66	--	--	--	--	--	--	--
10/12/94	329.17	298.70	31.70	1.54	--	--	--	--	--	--	--
11/30/94	329.17	299.84	29.95	0.77	--	--	--	--	--	--	--
03/09/95	329.17	299.88	29.54	0.31	--	--	--	--	--	--	--
04/18/95	329.17	300.16	29.01	--	--	--	--	--	--	--	--
05/17/95	329.17	300.08	29.09	--	--	130,000	22,000	30,000	2000	10,000	--
06/07/95	329.17	299.93	29.24	--	--	--	--	--	--	--	--
07/21/95	329.17	299.51	29.66	--	--	--	--	--	--	--	--
08/15/95	329.17	299.30	29.87	--	--	41,000	9400	12,000	1400	7700	--
09/07/95	329.17	299.32	29.85	--	--	--	--	--	--	--	--
10/09/95	329.17	299.16	30.01	--	--	--	--	--	--	--	--
11/15/95	329.17	299.29	29.88	--	--	68,000	15,000	9600	1100	5500	<2000
12/30/95	329.17	299.18	29.99	--	--	--	--	--	--	--	--
01/29/96	329.17	299.85	29.32	--	--	--	--	--	--	--	--
02/27/96	329.17	300.66	28.51	--	--	520	48	71	<0.5	27	28
03/05/96	329.17	300.73	28.44	--	--	--	--	--	--	--	--
04/23/96	329.17	300.97	28.20	--	--	--	--	--	--	--	--
05/30/96	329.17	300.70	28.47	--	--	57,000	15,000	11,000	1100	4900	<250
06/19/96	329.17	300.74	28.43	--	--	--	--	--	--	--	--
07/15/96	329.17	300.51	28.66	--	--	--	--	--	--	--	--
08/27/96	329.17	300.44	28.73	--	--	74,000	11,000	9500	790	3600	<120
09/09/96	329.17	300.32	28.85	--	--	--	--	--	--	--	--
10/28/96	329.17	300.64	28.53	--	--	--	--	--	--	--	--
11/11/96	329.17	300.40	28.77	--	--	69,000	13,000	9100	810	3200	<250
05/06/97	329.17	301.05	28.12	--	--	98,000	23,000	17,000	1100	5200	<500
07/27/97	329.17	300.99	28.18	--	--	--	--	--	--	--	--
11/18/97	329.17	300.44	28.73	--	--	58,000	19,000	9700	1100	4000	<500
05/31/98	329.17	302.14	27.03	0.05	--	180,000	25,000	25,000	1700	9300	19,000

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						MTBE (µg/L)
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW-1 (cont)											
05/31/98 ³	329.17	302.14	27.03	0.05	--	--	--	--	--	--	<500
08/12/98 ²	329.17	301.99	27.18	--	--	--	--	--	--	--	--
11/23/98	329.17	301.63	27.54	--	--	131,000	14,600	23,700	1990	13,600	<200
05/11/99 ^{2,7}	329.17	301.89	27.28	--	--	--	--	--	--	--	--
11/24/99	329.17	301.22 ⁸	28.11	>0.2	0.26	--	--	--	--	--	--
05/23/00 ¹	329.17	302.34**	27.61	0.97	0.52 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
10/31/00	329.17	301.47**	28.35	0.81	0.26 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
05/18/01	329.17	301.27**	28.62	0.90	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/16/01 ¹⁵	329.17	300.63**	28.57	0.04	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
07/01/02 ¹⁵	329.17	300.38**	29.36	0.71	0.50 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/08/02 ¹⁵	329.17	300.07**	29.82	0.90	0.13 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
06/13/03 ¹⁵	329.17	300.59**	28.83	0.31	1.85 ¹⁸	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/20/03	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
05/18/04	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
11/19/04	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
05/03/05	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
11/28/05	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
05/25/06	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
11/21/06	329.17	INACCESSIBLE - ATTACHED TO A SOLAR POWERED BELT SKIMMER						--	--	--	--
05/09/07	329.17	299.78**	29.70	0.39	1.30 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/17/07	329.17	299.68**	30.83	1.67	1.69 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
04/30/08	329.17	298.29**	31.54	0.83	0.53 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/26/08	329.17	298.73**	31.90	1.82	0.79 ²³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
05/22/09 ²⁴	329.17	298.00**	31.95	0.97	1.29 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/24/09	329.17	298.38**	32.06	1.59	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
05/25/10	329.17	299.19**	30.68	0.88	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/29/10	329.17	299.64**	31.67	2.68	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
05/02/11	329.17	299.70**	29.63	0.20	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
11/23/11	331.93	301.72**	31.43	1.53	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--
02/21/12	331.93	301.79**	31.20	1.32	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH							
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	
MW-2												
12/28/92 ²⁵	327.22	298.63	28.59	--	--	<50	<0.4	<0.3	<0.3	0.6	--	
02/15/94	327.22	300.13	27.09	--	--	83	21	6.0	1.0	3.0	--	
04/21/94	327.22	299.41	27.81	--	--	--	--	--	--	--	--	
06/01/94	327.22	299.24	27.98	--	--	<50	1.3	0.5	<0.5	<0.5	--	
06/28/94	327.22	299.05	28.17	--	--	--	--	--	--	--	--	
07/19/94	327.22	298.87	28.35	--	--	--	--	--	--	--	--	
09/02/94	327.22	298.70	28.52	--	--	82	13	16	3.6	14	--	
09/12/94	327.22	298.66	28.56	--	--	--	--	--	--	--	--	
10/12/94	327.22	298.60	28.62	--	--	--	--	--	--	--	--	
11/30/94	327.22	298.84	28.38	--	--	<50	3.6	4.5	1.0	4.5	--	
03/09/95	327.22	299.81	27.41	--	--	--	--	--	--	--	--	
04/18/95	327.22	300.43	26.79	--	--	--	--	--	--	--	--	
05/17/95	327.22	300.27	26.95	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
06/07/95	327.22	300.16	27.06	--	--	--	--	--	--	--	--	
07/21/95	327.22	299.75	27.47	--	--	--	--	--	--	--	--	
08/15/95	327.22	299.65	27.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	
09/07/95	327.22	298.53	28.69	--	--	--	--	--	--	--	--	
10/09/95	327.22	299.37	27.85	--	--	--	--	--	--	--	--	
11/15/95	327.22	299.31	27.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
12/30/95	327.22	299.62	27.60	--	--	--	--	--	--	--	--	
01/29/96	327.22	300.06	27.16	--	--	--	--	--	--	--	--	
02/27/96	327.22	300.97	26.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
03/05/96	327.22	300.52	26.70	--	--	--	--	--	--	--	--	
04/23/96	327.22	301.40	25.82	--	--	--	--	--	--	--	--	
05/30/96	327.22	301.06	26.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
06/19/96	327.22	300.95	26.27	--	--	--	--	--	--	--	--	
07/15/96	327.22	300.76	26.46	--	--	--	--	--	--	--	--	
08/27/96	327.22	300.50	26.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
09/06/96	327.22	300.42	26.80	--	--	--	--	--	--	--	--	
10/28/96	327.22	300.39	26.83	--	--	--	--	--	--	--	--	
11/11/96	327.22	300.50	26.72	--	--	--	--	--	--	--	--	
05/06/97	327.22	301.21	26.01	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	
07/27/97	327.22	300.84	26.38	--	--	--	--	--	--	--	--	
11/18/97	327.22	300.72	26.50	--	--	--	--	--	--	--	--	
05/31/98	327.22	302.75	24.47	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10	

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2 (cont)											
11/23/98	327.22	302.28	24.94	--	--	SAMPLED ANNUALLY		--	--	--	--
05/11/99	327.22	302.73	24.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	327.22	302.19	25.03	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/31/00	327.22	301.30	25.92	0.00	0.00	--	--	--	--	--	--
05/18/01	327.22	301.14	26.08	0.00	0.00	<50	0.52	2.6	<0.50	1.9	<2.5
11/16/01	327.22	300.41	26.81	0.00	0.00	--	--	--	--	--	--
07/01/02	327.22	300.25	26.97	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	327.22	299.92	27.30	0.00	0.00	--	--	--	--	--	--
06/13/03 ¹⁹	327.22	300.49	26.73	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/20/03	327.22	300.74	26.48	0.00	0.00	--	--	--	--	--	--
05/18/04 ¹⁹	327.22	300.14	27.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/19/04	327.22	300.52	26.70	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/03/05 ¹⁹	327.22	299.97	27.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05	327.22	299.77	27.45	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/25/06 ¹⁹	327.22	300.62	26.60	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06	327.22	300.21	27.01	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/09/07 ¹⁹	327.22	299.68	27.54	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07	327.22	300.11	27.11	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
04/30/08 ¹⁹	327.22	299.35	27.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08	327.22	298.52	28.70	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/22/09 ¹⁹	327.22	299.02	28.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/24/09	327.22	298.44	28.78	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/25/10 ¹⁹	327.22	299.15	28.07	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/29/10	327.22	298.52	28.70	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/02/11 ¹⁹	327.22	299.69	27.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/23/11	329.98	301.58	28.40	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
02/21/12	329.98	301.70	28.28	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
MW-3											
12/28/92 ²⁵	329.28	298.59	30.69	--	--	19,000	8,900	660	380	720	--
02/15/94	329.28	299.41	29.87	--	--	23,000	11,000	1700	540	1000	--
04/21/94	329.28	299.32	29.96	--	--	--	--	--	--	--	--
06/01/94	329.28	299.17	30.11	--	--	27,000	12,000	2600	600	2200	--
06/28/94	329.28	298.97	30.31	--	--	--	--	--	--	--	--

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Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH							
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	
MW-3 (cont)												
07/19/94	329.28	298.78	30.50	--	--	--	--	--	--	--	--	--
09/02/94	329.28	298.67	30.61	--	--	34,000	16,000	4100	770	3000	--	--
09/12/94	329.28	298.63	30.65	--	--	--	--	--	--	--	--	--
10/12/94	329.28	298.54	30.74	--	--	--	--	--	--	--	--	--
11/30/94	329.28	298.84	30.44	--	--	33,000	16,000	3000	740	2400	--	--
03/09/95	329.28	299.75	29.53	--	--	--	--	--	--	--	--	--
04/18/95	329.28	300.31	28.97	--	--	--	--	--	--	--	--	--
05/17/95	329.28	300.09	29.19	--	--	27,000	10,000	760	490	1000	--	--
06/07/95	329.28	300.04	29.24	--	--	--	--	--	--	--	--	--
07/21/95	329.28	299.58	29.70	--	--	--	--	--	--	--	--	--
08/15/95	329.28	299.50	29.78	--	--	39,000	13,000	2900	700	1700	--	--
09/07/95	329.28	299.42	29.86	--	--	--	--	--	--	--	--	--
10/09/95	329.28	299.26	30.02	--	--	--	--	--	--	--	--	--
11/15/95	329.28	299.22	30.06	--	--	21,000	8000	2900	430	1500	<1000	--
12/30/95	329.28	299.53	29.75	--	--	--	--	--	--	--	--	--
01/29/96	329.28	300.06	29.22	--	--	--	--	--	--	--	--	--
02/27/96	329.28	300.85	28.43	--	--	<2500	5000	500	220	130	710	--
03/05/96	329.28	300.93	28.35	--	--	--	--	--	--	--	--	--
04/23/96	329.28	301.18	28.10	--	--	--	--	--	--	--	--	--
05/30/96	329.28	300.86	28.42	--	--	37,000	13,000	7200	870	2900	<120	--
06/19/96	329.28	300.77	28.51	--	--	--	--	--	--	--	--	--
07/15/96	329.28	300.65	28.63	--	--	--	--	--	--	--	--	--
08/27/96	329.28	300.38	28.90	--	--	50,000	9500	6900	740	2900	<120	--
09/06/96	329.28	300.30	28.98	--	--	--	--	--	--	--	--	--
10/28/96	329.28	300.30	28.98	--	--	--	--	--	--	--	--	--
11/11/96	329.28	300.44	28.84	--	--	52,000	11,000	5500	780	3000	<250	--
05/06/97	329.28	301.06	28.22	--	--	93,000	23,000	15,000	1400	6200	<500	--
07/27/97	329.28	300.70	28.58	--	--	--	--	--	--	--	--	--
11/18/97	329.28	300.58	28.70	--	--	81,000	29,000	17,000	1600	6700	<500	--
05/31/98	329.28	302.60	26.68	--	--	78,000	24,000	12,000	1200	5800	1300	--
05/31/98 ³	329.28	302.60	26.68	--	--	--	--	--	--	--	<500	--
08/12/98 ²	329.28	302.25	27.03	--	--	--	--	--	--	--	--	--
11/23/98	329.28	302.19	27.09	--	--	97,200	17,900	12,800	1200	6950	<100	--
05/11/99 ²	329.28	302.60	26.68	--	--	51,000	18,000	7800	670	3600	<2.5	--
05/11/99 ³	329.28	302.60	26.68	--	--	--	--	--	--	--	<100	--

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Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)											
11/24/99	329.28	301.83	27.45	--	--	62,800	16,600	8300	900	4890	<500
05/23/00 ¹	329.28	302.11	27.17	0.00	0.00	27,000 ⁷	14,000	12,000	940	4,600	770
10/31/00 ¹	329.28	301.27	28.01	0.00	0.00	110,000 ¹⁰	25,700	21,300	1,300	7,320	1,680
05/18/01 ¹	329.28	301.07	28.21	0.00	0.00	58,000 ⁷	19,000	16,000	1,400	7,000	2,300/11 ¹⁴
11/16/01 ¹	329.28	300.41	28.87	0.00	0.00	100,000	23,000	16,000	1,400	6,800	<200
07/01/02 ¹	329.28	300.20	29.08	0.00	0.00	75,000	16,000	8,800	980	4,000	140/<10 ¹⁷
11/08/02	329.28	299.89	29.39	0.00	0.00	45,000	9,800	5,800	590	2,400	<50
06/13/03 ^{19,20}	329.28	300.46	28.82	0.00	0.00	42,000	9,100	4,100	580	1,800	5
11/20/03 ¹⁹	329.28	300.51	28.77	0.00	0.00	52,000	12,000	4,500	660	3,200	5
05/18/04 ¹⁹	329.28	300.07	29.21	0.00	0.00	57,000	15,000	5,700	840	3,400	9
11/19/04 ¹⁹	329.28	300.42	28.86	0.00	0.00	67,000	15,000	4,200	850	3,400	7
05/03/05 ¹⁹	329.28	299.88	29.40	0.00	0.00	54,000	13,000	3,400	690	2,600	<10
11/28/05 ¹⁹	329.28	299.72	29.56	0.00	0.00	56,000	16,000	1,800	950	3,500	<25
05/25/06 ¹⁹	329.28	300.47	28.81	0.00	0.00	38,000	9,400	1,800	680	2,100	<5
11/21/06 ¹⁹	329.28	300.06	29.22	0.00	0.00	27,000	10,000	420	650	1,600	<5
05/09/07 ¹⁹	329.28	299.55	29.73	0.00	0.00	40,000	9,200	660	590	1,300	<10
11/17/07 ¹⁹	329.28	298.90	30.38	0.00	0.00	22,000	9,200	86	610	560	3
04/30/08 ¹⁹	329.28	299.46	29.82	0.00	0.00	19,000	8,300	440	510	620	<5
11/26/08 ¹⁹	329.28	298.55	30.73	0.00	0.00	20,000	7,500	230	470	640	<10
05/22/09	329.28	299.28**	30.58	0.72	0.90 ¹³	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
11/24/09	329.28	298.90**	31.16	0.98	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
05/25/10	329.28	299.10**	30.38	0.25	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
11/29/10	329.28	299.05**	30.72	0.61	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
05/02/11	329.28	299.63**	29.68	0.04	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
11/23/11	332.03	301.52**	30.54	0.04	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
02/21/12	332.03	301.66**	30.38	0.01	0.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--
MW-4											
05/21/93	--	--	--	--	--	<50	12	2.0	<0.5	1.0	--
11/05/93	--	--	--	--	--	300	56	10	0.8	3.0	--
02/15/94	329.44	299.54	29.90	--	--	260	47	12	2.0	4.0	--
04/21/94	329.44	299.45	29.99	--	--	--	--	--	--	--	--
06/01/94	329.44	299.30	30.14	--	--	860	200	23	2.8	9.6	--
06/28/94	329.44	299.12	30.32	--	--	--	--	--	--	--	--

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4 (cont)											
07/19/94	329.44	298.94	30.50	--	--	--	--	--	--	--	--
09/02/94	329.44	298.82	30.62	--	--	1700	250	27	6.4	15	--
09/12/94	329.44	298.75	30.69	--	--	--	--	--	--	--	--
10/12/94	329.44	298.69	30.75	--	--	--	--	--	--	--	--
11/30/94	329.44	298.93	30.51	--	--	830	350	29	8.1	22	--
03/09/95	329.44	299.83	29.61	--	--	--	--	--	--	--	--
04/18/95	329.44	300.36	29.08	--	--	--	--	--	--	--	--
05/17/95	329.44	300.22	29.22	--	--	470	200	2.2	0.9	2.1	--
06/07/95	329.44	300.17	29.27	--	--	--	--	--	--	--	--
07/21/95	329.44	299.72	29.72	--	--	--	--	--	--	--	--
08/15/95	329.44	299.67	29.77	--	--	100	4.2	0.8	<0.5	<0.5	--
09/07/95	329.44	299.59	29.85	--	--	--	--	--	--	--	--
10/09/95	329.44	299.42	30.02	--	--	--	--	--	--	--	--
11/15/95	329.44	299.39	30.05	--	--	270	94	9.4	0.77	4.3	27
12/30/95	329.44	299.65	29.79	--	--	--	--	--	--	--	--
01/29/96	329.44	300.13	29.31	--	--	--	--	--	--	--	--
02/27/96	329.44	300.86	28.58	--	--	690	100	15	<0.5	2.0	79
03/05/96	329.44	300.89	28.55	--	--	--	--	--	--	--	--
04/23/96	329.44	301.29	28.15	--	--	--	--	--	--	--	--
05/30/96	329.44	301.04	28.40	--	--	700	240	4.0	0.6	3.9	<5.0
06/19/96	329.44	300.97	28.47	--	--	--	--	--	--	--	--
07/15/96	329.44	300.82	28.62	--	--	--	--	--	--	--	--
08/27/96	329.44	300.59	28.85	--	--	<50	11	<0.5	<0.5	<0.5	<5.0
09/06/96	329.44	300.52	28.92	--	--	--	--	--	--	--	--
10/28/96	329.44	300.54	28.90	--	--	--	--	--	--	--	--
11/11/96	329.44	300.66	28.78	--	--	240	57	1.4	0.7	1.8	<5.0
05/06/97	329.44	301.33	28.11	--	--	240	74	2.7	<0.5	1.6	<5.0
07/27/97	329.44	301.01	28.43	--	--	--	--	--	--	--	--
11/18/97	329.44	300.86	28.58	--	--	270	230	3.5	1.0	1.6	<2.5
05/31/98	329.44	302.91	26.53	--	--	1000	450	3.4	4.5	<6.0	<20
08/12/98 ²	329.44	302.62	26.82	--	--	--	--	--	--	--	--
11/23/98 ⁶	329.44	305.52	23.92	--	--	--	--	--	--	--	--
12/23/98 ⁶	329.44	305.25	24.19	--	--	--	--	--	--	--	--
05/11/99 ²	329.44	306.24	23.20	--	--	470	260	2.6	<0.5	4.3	35
05/11/99 ³	329.44	306.24	23.20	--	--	--	--	--	--	--	<2.0

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						MTBE (µg/L)
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW-4 (cont)											
11/24/99	329.44	306.41	23.03	--	--	2400	562	<5.0	10.7	10.4	38.1
5/23/00 ¹	329.44	305.30	24.14	0.00	0.00	370 ⁸	470 ⁹	1.1	9.7	5.9	84
10/31/00 ¹	329.44	304.42	25.02	0.00	0.00	672 ¹¹	224	<5.00	<5.00	<15.0	<25.0
05/18/01 ¹	329.44	304.23	25.21	0.00	0.00	230 ⁷	37	<0.50	1.3	0.95	22/2.1 ¹⁴
11/16/01 ¹⁶	329.44	303.53	25.91	0.00	0.00	290	36	<0.50	<0.50	<1.5	<2.5
07/01/02	329.44	303.33	26.11	0.00	0.00	410	60	<0.50	2.1	<1.5	<2.5
11/08/02	329.44	303.01	26.43	0.00	0.00	64	7.0	<0.50	<0.50	<1.5	<2.5
06/13/03 ¹⁹	329.44	302.58	26.86	0.00	0.00	79	4	<0.5	<0.5	<0.5	<0.5
11/20/03 ¹⁹	329.44	302.81	26.63	0.00	0.00	350	36	<0.5	2	0.7	<0.5
05/18/04 ¹⁹	329.44	303.13	26.31	0.00	0.00	160	22	<0.5	2	1	<0.5
11/19/04 ¹⁹	329.44	302.56	26.88	0.00	0.00	480	93	2	4	4	<0.5
05/03/05 ¹⁹	329.44	302.96	26.48	0.00	0.00	180	40	0.8	1	1	<0.5
11/28/05 ¹⁹	329.44	302.76	26.68	0.00	0.00	630	96	2	5	5	<0.5
05/25/06 ¹⁹	329.44	303.59	25.85	0.00	0.00	2,400	490	11	33	21	<0.5
11/21/06 ¹⁹	329.44	303.16	26.28	0.00	0.00	<50	3	<0.5	<0.5	<0.5	<0.5
05/09/07 ¹⁹	329.44	302.69	26.75	0.00	0.00	940	170	5	9	11	<0.5
11/17/07 ¹⁹	329.44	302.03	27.41	0.00	0.00	580	150	5	4	7	<0.5
04/30/08 ¹⁹	329.44	302.44	27.00	0.00	0.00	73	15	0.6	0.7	0.9	<0.5
11/26/08 ¹⁹	329.44	301.52	27.92	0.00	0.00	530	63	6	5	10	<0.5
05/22/09 ¹⁹	329.44	301.95	27.49	0.00	0.00	400	56	6	4	16	<0.5
11/24/09 ¹⁹	329.44	301.30	28.14	0.00	0.00	1,400	160	18	10	38	<0.5
05/25/10 ¹⁹	329.44	302.04	27.40	0.00	0.00	1,100	93	19	15	32	<0.5
11/29/10 ¹⁹	329.44	301.39	28.05	0.00	0.00	520	130	9	3	24	<0.5
05/02/11 ¹⁹	329.44	302.56	26.88	0.00	0.00	420	59	7	5	16	<0.5
11/23/11 ¹⁹	320.22	292.54	27.68	0.00	0.00	1,400	140	32	20	47	<0.5
02/21/12	320.22	292.60	27.62	0.00	0.00	SAMPLED SEMI-ANNUALLY			--	--	--
MW-5											
05/25/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.9	--
11/05/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/15/94	312.88	287.78	25.10	--	--	<50	<0.5	1.0	<0.5	1.0	--
04/21/94	312.88	299.67	13.21	--	--	--	--	--	--	--	--
06/01/94	312.88	299.49	13.39	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/94	312.88	299.15	13.73	--	--	--	--	--	--	--	--

Table 1
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Former Chevron Service Station #9-7127
I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5 (cont)											
07/19/94	312.88	299.08	13.80	--	--	--	--	--	--	--	--
09/02/94	312.88	298.86	14.02	--	--	<50	3.2	1.8	<0.5	2.1	--
09/12/94	312.88	298.85	14.03	--	--	--	--	--	--	--	--
10/12/94	312.88	298.73	14.15	--	--	--	--	--	--	--	--
11/30/94	312.88	298.97	13.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/09/95	312.88	299.91	12.97	--	--	--	--	--	--	--	--
04/18/95	312.88	300.40	12.48	--	--	--	--	--	--	--	--
05/17/95	312.88	300.17	12.71	--	--	150	1.0	<0.5	<0.5	<0.5	--
06/07/95	312.88	300.03	12.85	--	--	--	--	--	--	--	--
07/21/95	312.88	299.58	13.30	--	--	--	--	--	--	--	--
08/15/95	312.88	299.47	13.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/07/95	312.88	299.46	13.42	--	--	--	--	--	--	--	--
10/09/95	312.88	299.27	13.61	--	--	--	--	--	--	--	--
11/15/95	312.88	299.25	13.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/30/95	312.88	299.58	13.30	--	--	--	--	--	--	--	--
01/29/96	312.88	300.13	12.75	--	--	--	--	--	--	--	--
02/27/96	312.88	300.86	12.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/05/96	312.88	300.92	11.96	--	--	--	--	--	--	--	--
04/23/96	312.88	301.11	11.77	--	--	--	--	--	--	--	--
05/30/96	312.88	300.71	12.17	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	312.88	300.63	12.25	--	--	--	--	--	--	--	--
07/15/96	312.88	300.49	12.39	--	--	--	--	--	--	--	--
08/27/96	312.88	300.23	12.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	312.88	300.20	12.68	--	--	--	--	--	--	--	--
10/28/96	312.88	300.16	12.72	--	--	--	--	--	--	--	--
11/11/96	312.88	300.27	12.61	--	--	--	--	--	--	--	--
05/06/97	312.88	300.82	12.06	--	--	<50	2.2	2.0	<0.5	1.7	<5.0
07/27/97	312.88	300.49	12.39	--	--	--	--	--	--	--	--
11/18/97	312.88	300.43	12.45	--	--	--	--	--	--	--	--
05/31/98	312.88	302.30	10.58	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	312.88	301.96	10.92	--	--	SAMPLED ANNUALLY		--	--	--	--
05/11/99	312.88	302.39	10.49	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	312.88	301.79	11.09	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/31/00	312.88	300.97	11.91	0.00	0.00	--	--	--	--	--	--
05/18/01	312.88	300.82	12.06	0.00	0.00	<50	0.52	2.0	<0.50	1.0	<2.5

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Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5 (cont)											
11/16/01	312.88	300.11	12.77	0.00	0.00	--	--	--	--	--	--
07/01/02	312.88	299.94	12.94	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	312.88	299.61	13.27	0.00	0.00	--	--	--	--	--	--
06/13/03 ¹⁹	312.88	300.03	12.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/20/03	312.88	300.21	12.67	0.00	0.00	--	--	--	--	--	--
05/18/04 ¹⁹	312.88	299.98	12.90	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/19/04	312.88	300.05	12.83	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/03/05 ¹⁹	312.88	300.00	12.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05	312.88	299.39	13.49	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/25/06 ¹⁹	NP ²¹	312.88	300.58	12.30	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06		312.88	300.12	12.76	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/09/07 ¹⁹	NP ²¹	312.88	299.76	13.12	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07		312.88	299.23	13.65	0.00	SAMPLED ANNUALLY	--	--	--	--	--
04/30/08 ¹⁹	NP ²¹	312.88	299.12	13.76	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08		312.88	298.23	14.65	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/22/09 ¹⁹	NP ²¹	312.88	299.18	13.70	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/24/09		312.88	298.17	14.71	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/25/10 ¹⁹	NP ²¹	312.88	298.60	14.28	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/29/10		312.88	298.31	14.57	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/02/11 ¹⁹	NP ²¹	312.88	299.20	13.68	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/23/11		315.97	301.50	14.47	0.00	SAMPLED ANNUALLY	--	--	--	--	--
02/21/12	315.97	301.59	14.38	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
MW-6											
11/22/95 ²⁵	312.20	299.00	13.20	--	--	<50	<0.50	<0.50	<0.50	<0.50	--
12/30/95	312.20	298.55	13.65	--	--	--	--	--	--	--	--
01/29/96	312.20	300.02	12.18	--	--	--	--	--	--	--	--
02/27/96	312.20	300.75	11.45	--	--	70	1.1	<0.5	<0.5	<0.5	<5.0
03/05/96	312.20	300.88	11.32	--	--	--	--	--	--	--	--
04/23/96	312.20	301.08	11.12	--	--	--	--	--	--	--	--
05/30/96	312.20	300.75	11.45	--	--	60	1.3	<0.5	<0.5	0.9	<5.0
06/19/96	312.20	300.66	11.54	--	--	--	--	--	--	--	--
07/15/96	312.20	300.44	11.76	--	--	--	--	--	--	--	--
08/27/96	312.20	300.25	11.95	--	--	90	1.6	<0.5	<0.5	<0.5	<5.0

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-6 (cont)											
09/06/96	312.20	300.18	12.02	--	--	--	--	--	--	--	--
10/28/96	312.20	300.19	12.01	--	--	--	--	--	--	--	--
11/11/96	312.20	300.30	11.90	--	--	110	<0.5	<0.5	<0.5	<0.5	<5.0
05/06/97	312.20	300.92	11.28	--	--	170	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	312.20	300.52	11.68	--	--	--	--	--	--	--	--
11/18/97	312.20	300.43	11.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/31/98	312.20	302.39	9.81	--	--	<50	0.89	0.65	<0.3	<0.6	<10
11/23/98	312.20	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
12/23/98	312.20	301.88	10.32	--	--	66	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/99	312.20	302.40	9.80	--	--	<50	1.9	<0.5	<0.5	<0.5	2.9
11/24/99	312.20	301.55	10.65	--	--	77.2	13.5	<0.5	<0.5	<0.5	<2.5
05/23/00	312.20	301.85	10.35	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/31/00	312.20	301.83	10.37	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<1.50	5.08
05/18/01	312.20	300.89	11.31	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/16/01	312.20	300.31	11.89	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	312.20	300.04	12.16	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	312.20	299.70	12.50	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/13/03	312.20	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
11/20/03	312.20	UNABLE TO LOCATE		--	--	--	--	--	--	--	--
05/18/04 ¹⁹	312.20	299.94	12.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/19/04 ¹⁹	312.20	300.16	12.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/05 ¹⁹	312.20	299.98	12.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05 ¹⁹	312.20	299.59	12.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/25/06 ¹⁹	312.20	300.37	11.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06 ¹⁹	312.20	300.10	12.10	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/09/07 ¹⁹	NP ²¹	299.82	12.38	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07 ¹⁹	NP ²¹	299.25	12.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/30/08 ¹⁹		298.56	13.64	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08 ¹⁹		298.40	13.80	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/22/09 ¹⁹		299.26	12.94	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/24/09 ¹⁹		298.16	14.04	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/25/10 ¹⁹		298.98	13.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/29/10 ¹⁹		298.34	13.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						MTBE (µg/L)
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW-6 (cont)											
05/02/11 ¹⁹	312.20	299.49	12.71	0.00	0.00	<50	1	<0.5	<0.5	<0.5	0.7
11/23/11 ¹⁹	314.91	301.38	13.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.8
02/21/12	314.91	301.51	13.40	0.00	0.00	SAMPLED SEMI-ANNUALLY			--	--	--
MW-7											
11/22/95 ²⁵	313.36	299.21	14.15	--	--	<50	<0.50	<0.50	<0.50	<0.50	--
12/30/95	313.36	300.98	12.38	--	--	--	--	--	--	--	--
01/29/96	313.36	300.22	13.14	--	--	--	--	--	--	--	--
02/27/96	313.36	301.02	12.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/05/96	313.36	301.01	12.35	--	--	--	--	--	--	--	--
04/23/96	313.36	301.23	12.13	--	--	--	--	--	--	--	--
05/30/96	313.36	300.94	12.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	313.36	300.79	12.57	--	--	--	--	--	--	--	--
07/15/96	313.36	300.66	12.70	--	--	--	--	--	--	--	--
08/27/96	313.36	300.51	12.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	313.36	300.46	12.90	--	--	--	--	--	--	--	--
10/28/96	313.36	300.52	12.84	--	--	--	--	--	--	--	--
11/11/96	313.36	300.61	12.75	--	--	--	--	--	--	--	--
05/06/97	313.36	301.22	12.14	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	313.36	300.91	12.45	--	--	--	--	--	--	--	--
11/18/97	313.36	300.82	12.54	--	--	--	--	--	--	--	--
05/31/98	313.36	302.61	10.75	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	313.36	302.52	10.84	--	--	SAMPLED ANNUALLY			--	--	--
05/11/99	313.36	302.96	10.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	313.36	302.39	10.97	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/31/00	313.36	301.51	11.85	0.00	0.00	--	--	--	--	--	--
05/18/01	313.36	301.34	12.02	0.00	0.00	<50	<0.50	1.7	<0.50	1.2	<2.5
11/16/01	313.36	300.53	12.83	0.00	0.00	--	--	--	--	--	--
07/01/02	313.36	300.42	12.94	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	313.36	300.11	13.25	0.00	0.00	--	--	--	--	--	--
06/13/03 ¹⁹	313.36	300.55	12.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/20/03	313.36	300.77	12.59	0.00	0.00	--	--	--	--	--	--
05/18/04 ¹⁹	313.36	300.53	12.83	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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I-580 and Grant Line Road
Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-7 (cont)											
11/19/04	313.36	300.57	12.79	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/03/05 ¹⁹	313.36	300.55	12.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05	313.36	299.78	13.58	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/25/06 ¹⁹	NP ²¹ 313.36	301.07	12.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06	313.36	300.62	12.74	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/09/07 ¹⁹	NP ²¹ 313.36	300.31	13.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07	313.36	299.63	13.73	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
04/30/08 ¹⁹	NP ²¹ 313.36	299.43	13.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08	313.36	298.50	14.86	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/22/09 ¹⁹	NP ²¹ 313.36	299.75	13.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/24/09	313.36	298.50	15.01	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/25/10 ¹⁹	NP ²¹ 313.36	298.93	14.43	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/29/10	313.36	298.61	14.75	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
05/02/11 ¹⁹	NP ²¹ 313.36	299.41	13.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/23/11	316.39	301.64	14.75	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
02/21/12	316.39	301.81	14.58	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--
MW-9											
11/18/11 ²⁶	332.56	301.58	30.98	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	332.56	301.58	30.98	--	--	2,500	480	81	55	52	<3
02/21/12¹⁹	332.56	301.68	30.88	--	--	2,900	590	100	64	81	<5
MW-10											
11/18/11 ²⁶	331.77	301.59	30.18	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	331.77	301.62	30.15	--	--	8,700	500	220	58	430	<3
02/21/12¹⁹	331.77	301.69	30.08	--	--	1,300	260	90	25	130	<3
MW-11											
11/18/11 ²⁶	331.98	301.83	30.15	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	331.98	301.56	30.42	--	--	61,000	5,500	11,000	1,300	6,400	<5
02/21/12¹⁹	331.98	301.63	30.35	--	--	62,000	6,400	7,800	1,100	5,000	<25

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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-12											
11/18/11 ²⁶	332.53	302.11	30.42	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	332.53	301.50	31.03	--	--	4,100	880	190	160	150	<1
02/21/12 ¹⁹	332.53	301.61	30.92	--	--	2,800	750	9	150	18	<5
MW-13											
11/18/11 ²⁶	331.60	301.47	30.13	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	331.60	301.46	30.14	--	--	1,100	150	61	26	55	2
02/21/12 ¹⁹	331.60	301.58	30.02	--	--	430	43	1	13	2	3
MW-14											
11/18/11 ²⁶	332.24	301.53	30.71	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	332.24	301.52	30.72	--	--	68,000	19,000	9,400	1,400	4,900	<25
02/21/12 ¹⁹	332.24	301.64	30.60	--	--	80,000	17,000	8,900	1,100	3,900	<10
MW-15											
11/18/11 ²⁶	332.88	301.56	31.32	--	--	--	--	--	--	--	--
11/23/11 ¹⁹	332.88	301.55	31.33	--	--	24,000	9,500	2,200	260	990	<10
02/21/12 ¹⁹	332.88	301.66	31.22	--	--	110,000	25,000	8,800	1,000	3,800	<13
MW-8											
11/22/95 ²⁵	329.91	299.56	30.35	--	--	<50	<0.50	<0.50	<0.50	<0.50	--
12/30/95	329.91	299.61	30.30	--	--	--	--	--	--	--	--
01/29/96	329.91	300.35	29.56	--	--	--	--	--	--	--	--
02/27/96	329.91	301.23	28.68	--	--	<50	<0.5	<0.5	<0.5	<5.0	<5.0
03/05/96	329.91	301.16	28.75	--	--	--	--	--	--	--	--
04/23/96	329.91	301.66	28.25	--	--	--	--	--	--	--	--
05/30/96	329.91	301.47	28.44	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	329.91	301.40	28.51	--	--	--	--	--	--	--	--
07/15/96	329.91	301.24	28.67	--	--	--	--	--	--	--	--
08/27/96	329.91	300.99	28.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	329.91	300.92	28.99	--	--	--	--	--	--	--	--

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Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-8 (cont)											
10/28/96	329.91	300.85	29.06	--	--	--	--	--	--	--	--
11/11/96	329.91	300.93	28.98	--	--	--	--	--	--	--	--
05/06/97	329.91	301.77	28.14	--	--	<50	3.6	3.1	0.7	2.5	<5.0
07/27/97	329.91	301.36	28.55	--	--	--	--	--	--	--	--
11/18/97	329.91	301.11	28.80	--	--	--	--	--	--	--	--
05/31/98	329.91	303.34	26.57	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	329.91	302.95	26.96	--	--	SAMPLED ANNUALLY		--	--	--	--
05/11/99	329.91	303.43	26.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	329.91	302.82	27.09	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/31/00	329.91	318.78	11.13	0.00	0.00	--	--	--	--	--	--
05/18/01	329.91	301.67	28.24	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/16/01	329.91	300.84	29.07	0.00	0.00	--	--	--	--	--	--
07/01/02	329.91	300.74	29.17	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	329.91	300.4	29.51	0.00	0.00	--	--	--	--	--	--
06/13/03 ¹⁹	329.91	300.77	29.14	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/20/03	329.91	300.97	28.94	0.00	0.00	--	--	--	--	--	--
05/18/04 ¹⁹	329.91	300.56	29.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/19/04	329.91	300.81	29.10	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/03/05 ¹⁹	329.91	300.40	29.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05	329.91	300.17	29.74	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/25/06 ¹⁹	329.91	300.96	28.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06	329.91	300.77	29.14	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
05/09/07 ¹⁹	329.91	300.19	29.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07	329.91	299.83	30.08	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--
04/30/08 ¹⁹	-- ²²	-- ²²	28.97	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08	-- ²²	WELL DAMAGED		--	--	--	--	--	--	--	--
05/22/09	-- ²²	WELL DAMAGED		--	--	--	--	--	--	--	--
11/24/09	-- ²²	WELL DAMAGED		--	--	--	--	--	--	--	--
MONITORING/SAMPLING DISCONTINUED											
SUPPLY WELL											
11/15/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
11/11/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	--	--	--	--	--	--	--	--	--	--	--
11/18/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
SUPPLY WELL (cont)											
05/31/98	--	--	--	--	--	--	--	--	--	--	--
11/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
05/11/99	--	--	--	--	--	--	--	--	--	--	--
11/24/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
10/30/00	--	--	--	--	--	--	--	--	--	--	--
05/18/01	--	--	--	--	--	--	--	--	--	--	--
11/16/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/20/03 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/18/04	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/19/04 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/05	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/28/05 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/25/06	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/21/06 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
04/30/08	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/26/08 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/24/09 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/25/10	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/29/10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/02/11	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
11/23/11 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/21/12	--	--	--	--	--	SAMPLED ANNUALLY		--	--	--	--
BAILER BLANK											
02/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Tracy, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	TOTAL SPH							
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	
TRIP BLANK												
02/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/01/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/30/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/17/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/15/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
02/27/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
05/30/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
08/27/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
11/11/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
05/06/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	--	--	--	--	--	--	--	--	--	--	--	--
11/18/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
05/31/98	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
05/11/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
05/23/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<2.5
10/31/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<1.50	49.0
05/18/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
QA												
11/16/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
07/01/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
11/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
06/13/03 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/20/03 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
05/18/04 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/19/04 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
05/03/05 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/28/05 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
05/25/06 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/21/06 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
05/09/07 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
11/17/07 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	SPHT (ft)	TOTAL SPH						
					REMOVED (gallons)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)											
04/30/08 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/08 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/22/09 ¹⁹	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
DISCONTINUED											

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

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet

GWE = Groundwater Elevation
(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbon Thickness

SPH = Separate Phase Hydrocarbons

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl Tertiary Butyl Ether

-- = Not Measured/Not Analyzed

NP = No Purge

(µg/L) = Micrograms per liter

QA = Quality Assurance/Trip Blank

* 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.

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

EXPLANATIONS:

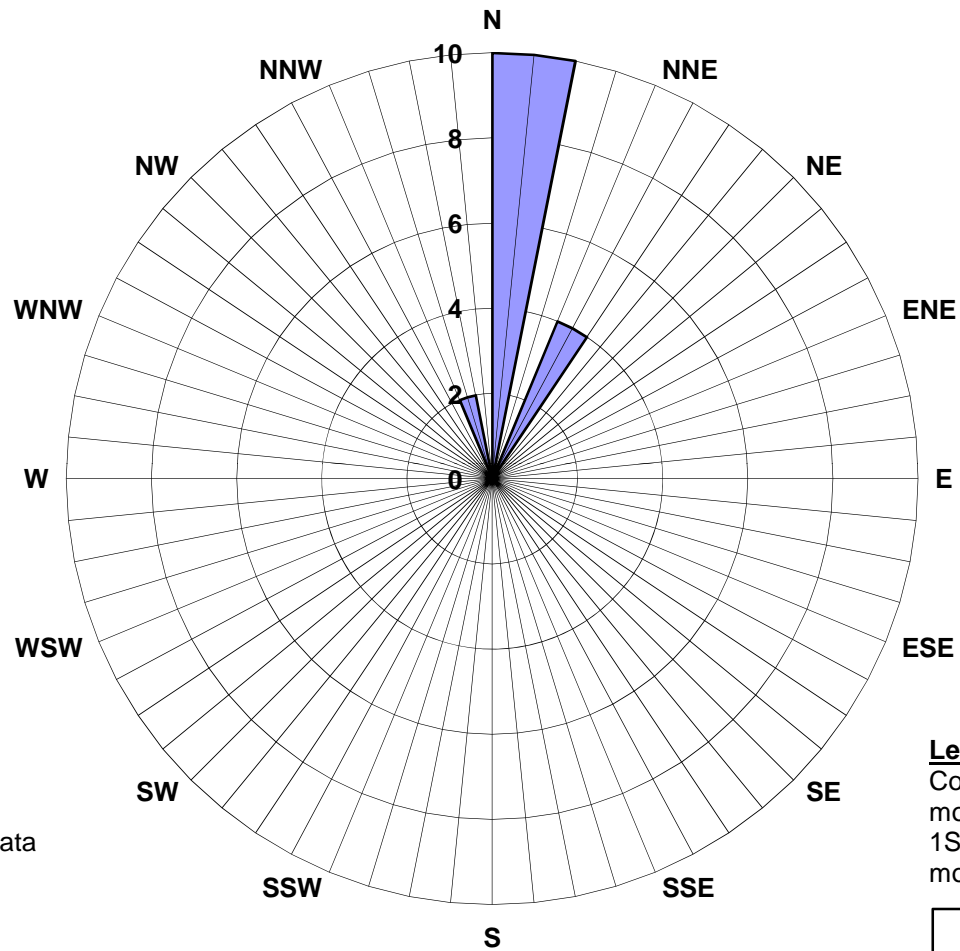
- 22 TOC has been altered; unable to determine GWE.
- 23 Product only removed from well.
- 24 Skimmer removed from well.
- 25 Depth to water and analytical data provided by CRA.
- 26 Well development performed.

Attachment 4

Figure 1 (Groundwater Flow
Direction Rose Diagram)

**ATTACHMENT 4
FIGURE 1
GROUNDWATER FLOW DIRECTION ROSE DIAGRAM**

Former Chevron Service Station No. 97127
Grant Line Road and Interstate 580
Tracy, California



Note
Groundwater gradient and flow data beginning 1SA05 through 1Q12 monitoring events provided by Gettler Ryan, Inc.

Legend
Concentric circles represent 16 monitoring events beginning 1SA05 through 2Q12 quarterly monitoring event.

■ Groundwater Flow Direction