Second Quarter 2015 Semi-Annual Groundwater Monitoring Report

Chevron-branded Service
Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

Stantec

Prepared for:
Chevron Environmental
Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583

Prepared by:
Stantec Consulting Services Inc.
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July 31, 2015

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July 31, 2015

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

Dear Mr. Detterman:

Attached for your review is the *Second Quarter 2015 Semi-Annual Groundwater Monitoring Report* for Chevron-branded service station 90504, located at 15900 Hesperian Boulevard in San Lorenzo, California. This report was prepared by Stantec Consulting Services Inc. (Stantec), upon whose assistance and advice I have relied. I declare under penalty of perjury that the information and/or recommendations contained in the attached report are true and correct, to the best of my knowledge.

If you should have any further questions, please do not hesitate to contact me or the Stantec project manager, Travis Flora, at (408) 356-6124 ext. 238, or travis.flora@stantec.com.

Sincerely,

Carryl MacLeod

Carryl MacLeod
Project Manager

July 31, 2015

Attention: **Mr. Mark Detterman**
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502

Reference: **Second Quarter 2015 Semi-Annual Groundwater Monitoring Report**
Chevron-branded Service Station 90504
15900 Hesperian Boulevard, San Lorenzo, California

Dear Mr. Detterman:

On behalf of Chevron Environmental Management Company (Chevron), Stantec Consulting Services Inc. (Stantec) is pleased to submit the *Second Quarter 2015 Semi-Annual Groundwater Monitoring Report* for Chevron-branded service station 90504, which is located at 15900 Hesperian Boulevard, San Lorenzo, Alameda County, California (Site - shown on **Figure 1**). This report is presented in three sections: Site Background, Second Quarter 2015 Groundwater Monitoring and Sampling Program, and Conclusions and Recommendations.

SITE BACKGROUND

The Site is an active Chevron-branded service station located on the eastern corner at the intersection of Hesperian Boulevard and Post Office Road in San Lorenzo, California. The Site has been occupied by a gasoline service station since approximately 1969. Current Site features include three 10,000-gallon fiberglass gasoline underground storage tanks (USTs), one 10,000-gallon fiberglass diesel UST, three fuel dispenser islands, and a station building with three service bays. The USTs are located in the southern portion of the Site, the fuel dispenser islands are located in the central portion of the Site, and the station building is located in the northeastern portion of the Site. In 1983, two 10,000-gallon and one 5,000-gallon steel USTs were replaced with the current fiberglass tanks. In January 1994, the fuel dispenser islands were replaced, and in March 1994, a 1,000-gallon steel waste oil UST located northeast of the station building was replaced with a 1,000-gallon fiberglass UST, which was later removed in 2001.

Land use near the Site consists primarily of commercial and residential properties. The Site is bounded on the northwest by Post Office Road, to the northeast by a parking lot for the post office, to the southeast by a commercial building, and on the southwest by Hesperian Boulevard.

In the *Third Quarter 2014 Groundwater Monitoring Special Event and LNAPL Recovery Status Report*, dated October 20, 2014, Stantec recommended only low-flow sampling procedures be conducted at wells C-1, C-2, and C-8 and the remainder of Site wells continue to be sampled with a bailer only. In addition, Stantec recommended total petroleum hydrocarbons (TPH) as motor oil (TPH-MO) be removed from the sampling program. In a letter dated October 30, 2014, Alameda County Environmental Health (ACEH) approved these recommendations, provided turbidity meter readings are collected during low-flow sampling. In addition, no light non-aqueous phase liquid (LNAPL) or sheen was observed in well C-2 from Third Quarter 2013 through Fourth Quarter 2014; therefore, Stantec discontinued LNAPL monitoring events following Fourth Quarter 2014.

SECOND QUARTER 2015 GROUNDWATER MONITORING AND SAMPLING PROGRAM

Gettler-Ryan Inc. (G-R) performed the Second Quarter 2015 groundwater monitoring and sampling event on June 1, 2015. G-R's standard operating procedures (SOPs) and field data sheets are included in **Attachment A**. G-R gauged depth-to-groundwater (DTW) in all 11 Site wells (C-1 through C-11) prior to collecting groundwater samples. Ten Site wells (C-1 and C-3 through C-11) were sampled. LNAPL was observed in well C-2 at a thickness of 0.02 feet; therefore, a groundwater sample was not collected from that well.

Although Stantec instructed G-R to purge and sample wells C-1 and C-8 using low-flow sampling procedures only, G-R inadvertently also purged and sampled these wells using disposable bailers. All other Site wells (C-3 through C-7, C-9, C-10, and C-11) were purged and sampled using disposable bailers. During low-flow sampling at wells C-1 and C-8, the sample intakes were placed at 15 and 18 feet below top of casing (TOC), respectively, which are within the screened intervals for the wells. Turbidity measurements were also collected at wells C-1 and C-8 during low-flow sampling. Post-purge turbidity measurements at wells C-1 and C-8 were 109 nephelometric turbidity units (NTU) and 173 NTU, respectively.

Investigation-derived waste (IDW) generated during the Second Quarter 2015 groundwater monitoring and sampling event was transported by Clean Harbors Environmental Services to Seaport Environmental in Redwood City, California.

Groundwater Elevation and Gradient

Well construction details and a screen interval assessment for each Site well are presented in **Table 1**. Wells C-1 through C-8 are currently screened across the prevailing groundwater table, while the DTW measurements in wells C-9, C-10, and C-11 are above the respective screen intervals, and the screen intervals are currently entirely submerged. Current and historical groundwater elevation data are presented in **Table 2**. A groundwater elevation contour map (based on Second Quarter 2015 data) is shown on **Figure 2**. The direction of groundwater flow at the time of sampling was generally towards the southwest at an approximate hydraulic gradient ranging from 0.003 to 0.014 feet per foot (ft/ft). This is consistent with the historical direction of groundwater flow, which has predominantly been toward the southwest, as shown by the groundwater flow direction rose diagram on **Figure 3** illustrating the direction of groundwater flow from Fourth Quarter 1989 to present.

Schedule of Laboratory Analysis

Groundwater samples were analyzed for TPH as gasoline range organics (TPH-GRO) and TPH as diesel range organics (TPH-DRO) with silica gel cleanup using United States Environmental Protection Agency (US EPA) Method 8015B (SW-846); and benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) and naphthalene using US EPA Method 8260B (SW-846).

Groundwater Analytical Results

During Second Quarter 2015, groundwater samples were collected from 10 Site wells (C-1 and C-3 through C-11). Two sets of samples were collected from wells C-1 and C-8; one set using low-flow procedures, and one set using disposable bailers. Current and historical groundwater analytical results are included in **Table 2** and **Table 3**. A figure showing the latest groundwater analytical data plotted on a Site map is included as **Figure 4**. A TPH-GRO isoconcentration map is shown on **Figure 5**. A TPH-DRO isoconcentration map is shown on **Figure 6**. A naphthalene isoconcentration map is shown on **Figure 7**. Results obtained using low-flow procedures at wells C-1 and C-8 were used to

develop the isoconcentration maps because they are believed to be more representative of actual groundwater conditions in these wells. An isoconcentration map was not developed for benzene because benzene concentrations were below method detection limits (MDLs) in all Site wells.

Certified laboratory analysis reports and chain-of-custody documents are presented as **Attachment B**. Hydrographs based on current and historical groundwater elevations and analytical results for wells sampled this event are included in **Attachment C**. A summary of Second Quarter 2015 groundwater analytical results follows. For the hydrographs and summary below, results obtained using low-flow procedures at wells C-1 and C-8 were used.

- **TPH-GRO** was detected in one Site well, at a concentration of 7,300 µg/L (well C-8), which is within historical limits for this well.

- **TPH-DRO** was detected in one Site well, at a concentration of 1,900 µg/L (well C-8), which is within historical limits for this well.

- **Benzene** was not detected above the MDLs (0.5 µg/L and 3 µg/L) in any Site well sampled. The sample from well C-8 had an elevated MDL and a 5-times dilution factor.

- **Toluene** was not detected above the MDLs (0.5 µg/L and 3 µg/L) in any Site well sampled.

- **Ethylbenzene** was detected in one Site well, at a concentration of 16 µg/L (well C-8), which is within historical limits for this well.

- **Total Xylenes** were not detected above the MDLs (0.5 µg/L and 3 µg/L) in any Site well sampled.

- **Naphthalene** was detected in one Site well, at a concentration of 10 µg/L (well C-8), which is a historical high for this well.

CONCLUSIONS AND RECOMMENDATIONS

Concentrations are conservatively compared to California Regional Water Quality Control Board – San Francisco Bay Region Environmental Screening Levels (ESLs) for groundwater that is a current or potential source of drinking water, and TPH-GRO, TPH-DRO, and naphthalene were observed above ESLs as follows:

- The TPH-GRO concentration exceeds the ESL of 100 µg/L in well C-8;
- The TPH-DRO concentration exceeds the ESL of 100 µg/L in well C-8; and
- The naphthalene concentration exceeds the ESL of 6.1 µg/L in well C-8.

Maximum concentrations of petroleum hydrocarbons are generally observed in on-Site well C-2 and off-Site well C-8, located approximately 100 feet down-gradient of the Site. The dissolved-phase petroleum hydrocarbon plume generally appears to be stable to decreasing in overall size and concentration.

Stantec discontinued LNAPL monitoring events at well C-2 following Fourth Quarter 2014, because no LNAPL or sheen had been observed since Third Quarter 2013; however, LNAPL was observed in well C-2 during the current quarter (thickness of 0.02 feet). Stantec will resume LNAPL monitoring events on a monthly basis to evaluate LNAPL thickness. The frequency of the LNAPL monitoring events will be

adjusted as necessary based on field observations. Results of the LNAPL monitoring events will be presented in the routine semi-annual groundwater monitoring reports.

On April 20, 21, and 22, 2015, Stantec oversaw the advancement of nine on-Site soil borings (SB-1 through SB-9) and one off-Site soil boring (SB-10) to evaluate the lateral extent of petroleum hydrocarbons in soil and groundwater and to evaluate whether the Site meets media-specific Low-Threat UST Case Closure Policy (LTCP) criteria. Soil samples were collected from each soil boring, and a grab groundwater sample was collected from off-Site soil boring SB-10. Results were presented to ACEH in a draft version of the *Soil and Groundwater Investigation Report* on June 12, 2015. Additional conclusions and recommendations for this Site will be included in the final version of the *Soil and Groundwater Investigation Report*, which is currently being revised based on draft comments provided by ACEH, and will be submitted under separate cover.

If you have any questions, please contact the Stantec Project Manager, Travis Flora, at (408) 356-6124 or Travis.Flora@stantec.com.

LIMITATIONS

This document entitled Second Quarter 2015 Semi-Annual Groundwater Monitoring Report was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Chevron Environmental Management Company (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

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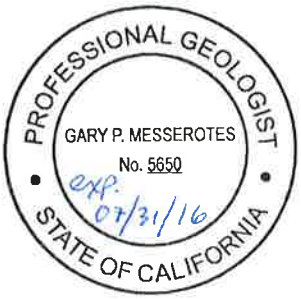

Attachments:

Table 1 – Well Details / Screen Interval Assessment – Second Quarter 2015
Table 2 – Groundwater Monitoring Data and Analytical Results
Table 3 – Additional Groundwater Analytical Results

Figure 1 – Site Location Map
Figure 2 – Groundwater Elevation Contour Map – Second Quarter 2015
Figure 3 – Groundwater Flow Direction Rose Diagram – Second Quarter 2015
Figure 4 – Site Plan Showing Groundwater Concentrations – Second Quarter 2015
Figure 5 – TPH-GRO Isoconcentration Map – Second Quarter 2015
Figure 6 – TPH-DRO Isoconcentration Map – Second Quarter 2015
Figure 7 – Naphthalene Isoconcentration Map – Second Quarter 2015

Attachment A – Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Second Quarter 2015
Attachment B – Certified Laboratory Analysis Reports and Chain-of-Custody Documents
Attachment C – Hydrographs

cc:

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Mr. Scott Bohannon, Bohannon Organization, 60 31st Avenue, San Mateo, CA 94403 – Electronic Copy

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TABLES

Table 1
Well Details / Screen Interval Assessment
Second Quarter 2015
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

Well ID	Date Installed	Well Type	Casing Diameter (inches)	Top of Casing (feet above msl)	Construction Well Depth (feet bgs)	Current Well Depth[1] (feet below TOC)	Current Depth to Groundwater[1] (feet below TOC)	Screen Interval (feet bgs)	Screen Interval Assessment
C-1	12/29/83	Monitoring	3	32.80	20.00	18.59	10.22	5-20	Depth-to-groundwater within screen interval.
C-2	12/29/83	Monitoring	3	33.46	20.00	19.12	10.36	5-20	Depth-to-groundwater within screen interval.
C-3	12/29/83	Monitoring	3	35.46	20.00	19.40	12.44	5-20	Depth-to-groundwater within screen interval.
C-4	12/29/83	Monitoring	3	35.23	20.00	19.90	12.23	5-20	Depth-to-groundwater within screen interval.
C-5	12/29/83	Monitoring	3	34.61	20.00	19.89	11.61	5-20	Depth-to-groundwater within screen interval.
C-6	11/27/89	Monitoring	2	36.57	25.50	24.50	13.56	5-25	Depth-to-groundwater within screen interval.
C-7	11/28/89	Monitoring	2	32.32	25.50	24.85	9.72	8-25	Depth-to-groundwater within screen interval.
C-8	11/27/89	Monitoring	2	33.25	25.50	24.81	10.91	5-25	Depth-to-groundwater within screen interval.
C-9	08/28/90	Monitoring	2	32.97	25.50	24.70	10.90	12-25	Depth-to-groundwater above screen interval.
C-10	10/28/90	Monitoring	2	31.16	25.50	24.70	9.14	12-25	Depth-to-groundwater above screen interval.
C-11	08/28/90	Monitoring	2	31.23	25.50	24.73	9.00	12-25	Depth-to-groundwater above screen interval.

Notes:
bgs = below ground surface
msl = mean sea level
TOC = top of casing
[1] = As measured prior to groundwater sampling on June 1, 2015.

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-1															
06/06/89	--	--	--	--	--	--	--	--	5,100	250	170	200	990	--	--
12/08/89	--	--	13.14	0.01	--	--	--	--	--	--	--	--	--	--	--
09/07/90	33.93	19.91**	14.04	0.03	--	--	--	--	--	--	--	--	--	--	--
12/20/90	33.93	20.07**	13.87	0.01	--	--	--	--	--	--	--	--	--	--	--
03/15/91	33.93	22.53	11.40	--	--	--	--	--	37,000	220	53	53	1,900	--	--
06/28/91	33.93	21.68	12.25	--	--	--	--	--	3,300	110	6.2	6.2	350	--	--
09/26/91	33.93	19.91	14.02	--	--	--	--	--	3,200	220	6.9	6.9	710	--	--
01/27/92	33.93	21.30	12.63	--	--	--	--	--	330	20	0.6	0.6	48	--	--
04/20/92	33.93	23.50	10.43	--	--	--	--	--	2,700	130	3.4	3.4	690	--	--
07/17/92	33.93	21.32	12.61	--	--	--	--	--	490	17	<0.5	<0.5	52	--	--
01/20/93	33.93	24.51	9.42	--	--	--	--	--	--	--	--	--	--	--	--
07/28/93	33.93	23.45	10.48	--	--	--	--	--	--	--	--	--	--	--	--
10/27/93	32.80	21.48	11.32	--	--	--	--	--	240	3.6	<0.5	11	23	--	--
03/31/94	32.80	23.35	9.45	--	--	--	--	--	530	23	1.2	10	120	--	--
06/08/94	32.80	22.87	9.93	--	--	--	--	--	990	15	1.5	42	89	--	--
09/29/94	32.80	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
11/09/94	32.80	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
12/14/94	32.80	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
03/30/95	32.80	24.79	8.01	--	--	--	--	--	3,900	21	7.2	190	250	--	--
06/30/95	32.80	22.98	9.82	--	--	--	--	--	1,400	3.1	0.8	54	95	--	--
09/22/95	32.80	22.20	10.60	--	--	--	--	--	620[7]	0.7	<0.5	3.3	3.5	--	--
12/11/95	32.80	22.50	10.30	--	--	--	--	--	210	2.4	<0.5	43	85	79	--
03/08/96	32.80	25.15	7.65	--	--	--	--	--	750	2.1	<0.5	22	34	330	--
06/21/96	32.80	23.52	9.28	--	--	--	--	--	2,800	9.0	<0.5	94	83	1,300	--
09/27/96	32.80	22.52	10.28	--	--	--	--	--	770	0.5	<0.5	5.1	6.1	580	--
01/03/97	32.80	24.95	7.85	--	--	--	--	--	1,800	2.8	<0.5	51	41	110	--
03/28/97	32.80	23.43	9.37	--	--	--	--	--	720	0.6	<0.5	4.7	3.7	200	--
09/30/97	32.80	MONITORED ANNUALLY			--	--	--	--	--	--	--	--	--	--	--
03/28/98	32.80	25.08	7.72	--	--	--	--	--	940[8]	3.9	<0.5	17	4.7	290	--
03/19/99	32.80	24.29	8.51	--	--	--	--	--	320	<0.5	<0.5	8.5	2.5	350	--
03/21/00	32.80	24.72	8.08	--	--	--	--	--	432	<0.5	2.04	5.33	0.658	154	--
08/28/00	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/01	32.80	24.09	8.71	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	32.8	--
09/04/01	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/21/02	32.80	24.18	8.62	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	20	--
09/04/02	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/31/03	32.80	23.93	8.87	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	40	--

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-1 (cont)															
09/17/03	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/05/04[12]	32.80	24.46	8.34	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	15	--
09/03/04	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/05[12]	32.80	24.76	8.04	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	0.5	1	--
09/02/05	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/24/06[12]	32.80	25.04	7.76	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	4	--
03/05/07[12]	32.80	24.00	8.80	0.00	--	--	--	--	160	<0.5	<0.5	<0.5	<0.5	14	--
03/17/08[12]	32.80	23.89	8.91	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	--
03/03/09[12]	32.80	24.13	8.67	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	--
03/17/10[12]	32.80	24.43	8.37	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.5	--
03/04/11[12]	32.80	24.09	8.71	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/23/12[12]	32.80	23.46	9.34	0.00	--	--	--	230/73[14]	<50	<0.5	1	<0.5	<0.5	0.6	--
09/04/12[12]	32.80	19.51	13.29	0.00	590[16]/ 320[14,15,16,17]	590[16]/ 320[14,15,16,17]	--	720/ 740[14,15,18]	<50	<0.5	<0.5	<0.5	<0.5	0.7	--
12/07/12[12]	32.80	23.81	8.99	0.00	330[16]/ 51[14,15,16]	330[16]/ 51[14,15,16]	--	95/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	32.80	23.35	9.45	0.00	650[16]/ 320[14,15,16]	650[16]/ 320[14,15,16]	--	220/ 70[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	32.80	22.70	10.10	0.00	400[16]	400[16]	--	54/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	32.80	22.05	10.75	0.00	48[16]	48[16]	--	130/ 100[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	32.80	22.35	10.45	0.00	590[16]	590[16]	--	410/ 290[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	32.80	22.50	10.30	0.00	290[16]	290[16]	--	100/ 110[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	32.80	22.28	10.52	0.00	<48	--	<48	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	32.80	21.57	11.23	0.00	110[14,15,16]	110[14,15,16]	--	84[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	32.80	24.26	8.54	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25,26]	**32.80**	**22.58**	**10.22**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
06/01/15[25]					**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
		Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-2																
06/06/89		--	--	--	--	--	--	--	--	130,000	14,000	28,000	3,400	24,000	--	--
12/08/89		--	--	13.44	0.15	--	--	--	--	--	--	--	--	--	--	--
09/07/90		34.21	20.01**	14.28	0.10	--	--	--	--	--	--	--	--	--	--	--
12/20/90		34.21	20.16**	14.06	0.01	--	--	--	--	--	--	--	--	--	--	--
03/15/91		34.21	22.63**	11.59	0.01	--	--	--	--	1,200,000	4,700	16,000	13,000	140,000	--	--
06/28/91		34.21	21.66	12.55	--	--	--	--	--	150,000	3,500	4,200	2,100	16,000	--	--
09/26/91		34.21	20.01	14.20	--	--	--	--	--	4,900	220	290	130	880	--	--
01/27/92		34.21	21.75	12.46	--	--	--	--	--	8,200	510	590	230	1,300	--	--
04/20/92		34.21	23.97	10.24	--	--	--	--	--	19,000	1,700	1,700	930	4,700	--	--
07/17/92		34.21	21.40	12.81	--	--	--	--	--	20,000	950	950	1,300	4,700	--	--
01/20/93		34.21	25.42	8.79	--	--	--	--	--	--	--	--	--	--	--	--
10/27/93		33.46	21.10	12.36	--	--	--	--	--	1,600	63	5.8	5.9	190	--	--
03/31/94		33.46	23.84	9.62	--	--	--	--	--	12,000	300	96	510	2,700	--	--
06/08/94		33.46	23.48	9.98	--	--	--	--	--	8,700	140	35	250	1,500	--	--
09/28/94		33.46	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
11/09/94		33.46	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
12/14/94		33.46	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
03/30/95		33.46	25.77	7.69	--	--	--	--	--	1,400	17	5.4	52	240	--	--
06/30/95		33.46	23.56	9.90	--	--	--	--	--	730	22	2.6	50	240	--	--
09/22/95		33.46	22.85	10.61	--	--	--	--	--	2,100[7]	66	7.3	140	550	--	--
12/11/95		33.46	23.08	10.38	--	--	--	--	--	3,700	23	<0.5	68	300	1,000	--
03/08/96		33.46	25.76	7.70	--	--	--	--	--	2,200	19	<5.0	63	290	1,300	--
06/21/96		33.46	24.09	9.37	--	--	--	--	--	2,200	23	1.1	70	260	2,300	--
09/27/96		33.46	22.88	10.58	--	--	--	--	--	5,500	12	0.6	30	110	2,200	--
01/03/97		33.46	25.56	7.90	--	--	--	--	--	750	4.2	<0.5	29	120	51	--
03/28/97		33.46	24.11	9.35	--	--	--	--	--	1,300	12	1.5	24	86	310	--
09/30/97		33.46	MONITORED ANNUALLY			--	--	--	--	--	--	--	--	--	--	--
03/28/98		33.46	25.46	8.00	--	--	--	--	--	1,100[8]	14	<5.0	34	79	710	--
03/19/99		33.46	25.01	8.45	--	--	--	--	--	1,400	15	<0.5	56	130	460	--
03/21/00		33.46	25.37	8.09	--	--	--	--	--	5,420	9.69	<0.5	76.5	125	168	--
08/28/00		33.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/01		33.46	24.68	8.78	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01		33.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/21/02		33.46	24.75	8.71	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	4.5	--
09/04/02		33.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/31/03		33.46	24.53	8.93	0.00	--	--	--	--	<50	<0.5	1.0	<2.0	2.6	<2.5	--
09/17/03	†	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/05/04[12]		32.80	24.41	8.39	0.00	--	--	--	--	940	1	<0.5	21	10	45	--
09/03/04		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/05[12]		32.80	24.67	8.13	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/24/06[12]		32.80	24.99	7.81	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

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Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
		Groundwater ESL				**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-2 (cont)																
03/05/07[12]		32.80	23.89	8.91	0.00	--	--	--	--	1,000	1	<0.5	8	1	<0.5	--
03/17/08[12]		33.46	25.35	8.11	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/09[12]		33.46	25.43	8.03	0.00	--	--	--	--	<50	<0.5	0.7	<0.5	0.5	<0.5	--
03/17/10[12]		33.46	24.95	8.51	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/04/11[12]		33.46	24.64	8.82	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/23/12		33.46	23.99**	9.71	0.30	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--	--	--	--	--
09/04/12		33.46	23.09**	10.39	0.03	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--	--	--	--	--
12/07/12[12]		33.46	24.34	9.12	0.00	27,000[16]/ 14,000[14,16,19]	27,000[16]/ 14,000[14,16,19]	--	18,000/ 14,000[14,20]	140	<0.5	<0.5	<0.5	0.6	<0.5	--
03/12/13[12]		33.46	23.85	9.61	0.00	18,000[16]/ 11,000[14,16,19]	18,000[16]/ 11,000[14,16,19]	--	26,000/ 20,000[14,23]	210	<0.5	<0.5	<0.5	0.7	<0.5	--
06/11/13[12]		33.46	23.26	10.20	0.00	2,600[16]	2,600[16]	--	11,000/ 7,100[14,23]	690	<0.5	<0.5	1	0.7	<0.5	--
09/10/13[12]		33.46	22.56	10.90	0.00	5,400[16]	5,400[16]	--	23,000/ 20,000[14,15]	1,100	<0.5	<0.5	1	0.6	<0.5	--
12/04/13[12]		33.46	22.86	10.60	0.00	8,300[16]	8,300[16]	--	11,000/ 8,500[14,15]	670	<0.5	<0.5	<0.5	0.6	<0.5	--
02/07/14[25]		33.46	23.16	10.30	0.00	6,600[16]	6,600[16]	--	5,800/ 3,000[14,15]	420	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]		33.46	22.78	10.68	0.00	51,000	--	51,000	3,000[14,15]	120	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25,26]		33.46	22.25	11.21	0.00	61[14,15,16]	61[14,15,16]	--	2,800[14,15]	1,600	<0.5	<0.5	2	2	--	--
08/29/14[25]						2,700[14,16,23]	2,700[14,16,23]	--	4,900[14,15]	1,700	<0.5	<0.5	2	1	--	--
12/12/14[25,26]		33.46	24.71	8.75	0.00	260[14,15,16]	260[14,15,16]	--	<50[14,15]	54	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]						1,000[14,15,16]	1,000[14,15,16]	--	1,300[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15		**33.46**	**23.12****	**10.36**	**0.02**	**NOT SAMPLED DUE TO THE PRESENCE OF LNAPL**						**--**	**--**	**--**	**--**	**--**
C-3																
06/06/89		--	--	--	--	--	--	--	--	2,600	63	20	390	370	--	--
12/08/89		--	--	--	--	--	--	--	--	680	6.0	1.0	31	58	--	--
09/07/90		35.46	20.15	15.31	--	--	--	--	--	490	6.0	<0.5	41	120	--	--
09/07/90	(D)	35.46	--	--	--	--	--	--	--	460	6.0	<0.5	40	110	--	--
12/20/90		35.46	20.29	15.17	--	--	--	--	--	100	5.0	<0.5	27	130	--	--
03/06/91		35.46	22.19	13.27	--	--	--	--	--	1,300	7.0	<0.5	75	250	--	--
03/06/91	(D)	35.46	--	--	--	--	--	--	--	1,400	8.0	<0.5	76	250	--	--
06/28/91		35.46	21.79	13.67	--	--	--	--	--	770	6.0	<0.5	81	71	--	--
06/28/91	(D)	35.46	--	--	--	--	--	--	--	990	5.5	<0.5	86	75	--	--

Table 2
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San Lorenzo, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
		Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-3 (cont)																
09/26/91		35.46	20.14	15.32	--	--	--	--	--	1,400	7.9	<0.5	98	340	--	--
01/27/92		35.46	21.55	13.91	--	--	--	--	--	150	0.7	<0.5	12	12	--	--
04/20/92		35.46	23.80	11.66	--	--	--	--	--	1,600	9.3	1.0	190	370	--	--
07/17/92		35.46	21.50	13.96	--	--	--	--	--	460	18	<0.5	20	52	--	--
10/29/92		35.46	19.95	15.51	--	--	--	--	--	520	2.4	1.0	30	79	--	--
01/20/93		35.46	24.47	10.99	--	--	--	--	--	4,200	7.4	<0.5	140	380	--	--
05/03/93		35.46	24.49	10.97	--	--	--	--	--	1,300	6.8	3.2	71	170	--	--
07/28/93		35.46	23.05	12.41	--	--	--	--	--	220	1.4	<0.5	17	39	--	--
10/27/93		35.46	21.78	13.37	--	--	--	--	--	1,800	5.5	0.7	68	290	--	--
03/31/94		35.46	23.90	11.56[1]	--	--	--	--	--	310	1.2	<0.5	19	54	--	--
06/08/94		35.46	23.39	12.07	--	--	--	--	--	300	2.7	1.6	19	48	--	--
09/29/94[2]		35.46	21.62	13.84	--	--	--	--	--	2,500	<25	<25	<25	220	--	--
11/09/94[5]		35.46	--	--	--	--	--	--	--	170	<0.5	0.8	3.3	16	--	--
12/14/94		35.46	23.61	11.85	--	--	--	--	--	510	3.2	1.4	28	60	--	--
03/30/95		35.46	25.85	9.61	--	--	--	--	--	66	<0.5	<0.5	1.1	2.4	--	--
06/30/95		35.46	23.96	11.50	--	--	--	--	--	1,500	1.9	8.1	100	300	--	--
09/22/95		35.46	22.88	12.58	--	--	--	--	--	600[7]	0.7	<0.5	43	110	--	--
12/11/95		35.46	22.91	12.55	--	--	--	--	--	670[8]	<0.5	<0.5	7.0	13	15	--
03/08/96		35.46	25.80	9.66	--	--	--	--	--	3,600	7.5	33	130	400	1,100	--
06/21/96		35.46	23.68	11.78	--	--	--	--	--	310	<0.5	<0.5	16	49	57	--
09/27/96		35.46	23.09	12.37	--	--	--	--	--	250	<0.5	<0.5	3.6	9.6	44	--
01/03/97		35.46	25.57	9.89	--	--	--	--	--	170	<0.5	1.2	4.5	15	15	--
03/28/97		35.46	24.50	10.96	--	--	--	--	--	60	<0.5	<0.5	1.7	1.8	23	--
09/30/97		35.46	MONITORED ANNUALLY			--	--	--	--	--	--	--	--	--	--	--
03/28/98		35.46	25.74	9.72	--	--	--	--	--	<50	0.88	<0.5	<0.5	<0.5	16	--
03/19/99		35.46	25.44	10.02	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.65	12	--
03/21/00		35.46	25.36	10.10	--	--	--	--	--	122	<0.5	<0.5	4.96	11.7	6.13	--
08/28/00		35.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/01		35.46	24.67	10.79	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01		35.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/21/02		35.46	24.74	10.72	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/04/02		35.46	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/31/03		35.46	24.31	11.15	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/17/03	†	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/05/04[12]		32.80	22.42	10.38	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/04		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/05[12]		32.80	22.67	10.13	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/24/06[12]		32.80	22.95	9.85	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/07[12]		32.80	21.83	10.97	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.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-3 (cont)															
03/17/08[12]	35.46	24.23	11.23	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/09[12]	35.46	24.45	11.01	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/17/10[12]	35.46	24.79	10.67	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/04/11[12]	35.46	24.63	10.83	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/23/12[12]	35.46	23.99	11.47	0.00	--	--	--	<50/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/04/12[12]	35.46	23.01	12.45	0.00	<41[16]/ <41[14,15,16]	<41[16]/ <41[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	35.46	24.32	11.14	0.00	64[16]/ <38[14,15,16]	64[16]/ <38[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	35.46	23.86	11.60	0.00	<41[16]/ <41[14,15,16]	<41[16]/ <41[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	35.46	23.21	12.25	0.00	<39[16]	<39[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	35.46	22.53	12.93	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	35.46	21.53	13.93	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	35.46	22.95	12.51	0.00	<41[16]	<41[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	35.46	22.82	12.64	0.00	<50	--	<50	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	35.46	22.03	13.43	0.00	<40[14,15,16]	<40[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	35.46	24.67	10.79	0.00	<39[14,15,16]	<39[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**35.46**	**23.02**	**12.44**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-4															
06/06/89	--	--	--	--	--	--	--	--	<50	<0.05	<1.0	<1.0	<3.0	--	--
12/08/89	--	--	--	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
09/07/90	35.78	20.20	15.58	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90	35.78	20.36	15.42	--	--	--	--	--	170	1.0	<0.5	<0.5	4.0	--	--
03/06/91	35.78	22.24	13.54	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	35.78	21.85	13.93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--	--
09/26/91	35.78	20.14	15.64	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	35.78	--	15.64	--	--	--	--	--	<50	<0.5	<0.5	<0.5	--	--	--
01/27/92	35.78	21.82	13.96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/20/92	35.78	24.07	11.71	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	35.78	21.59	14.19	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-4 (cont)															
10/29/92	35.78	20.06	15.72	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	35.78	24.61	11.17	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	35.78	24.84	10.94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/28/93	35.78	23.38	12.40	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	35.23	21.91	13.32	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94	35.23	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--
06/08/94	35.23	23.31	11.92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94[2,4]	35.23	21.47	13.76	--	--	--	--	--	<2,500	<25	<25	<25	<25	--	ND[3]
11/09/94[4,5]	35.23	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	ND[3]
12/14/94[6]	35.23	23.44	11.79	--	--	--	--	--	<50	2.1	3.0	1.9	3.7	--	ND[3]
03/30/95	35.23	26.22	9.01	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	35.23	23.79	11.44	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	35.23	22.72	12.51	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	35.23	22.61	12.62	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	35.23	25.60	9.63	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.6	<5.0	--
06/21/96	35.23	23.99	11.24	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	35.23	22.92	12.31	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	35.23	25.54	9.69	--	--	--	--	--	<50	1.5	7.2	1.3	6.2	<5.0	--
03/28/97	35.23	24.23	11.00	--	--	--	--	--	<50	5.0	8.3	0.8	4.7	<5.0	--
NOT MONITORED/SAMPLED					--	--	--	--							
03/20/12[13]	35.23	24.01	11.22	--	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	35.23	23.94	11.29	--	<39/<39[14]	<39/<39[14]	--	<50/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/04/12[12]	35.23	23.00	12.23	--	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	35.23	24.33	10.90	--	55[16]/ <40[14,15,16]	55[16]/ <40[14,15,16]	--	65/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	35.23	23.82	11.41	--	<42[16]/ <42[14,15,16]	<42[16]/ <42[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	35.23	23.14	12.09	--	<42[16]	<42[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	35.23	22.53	12.70	--	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	35.23	22.63	12.60	--	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	35.23	22.95	12.28	--	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14	35.23	NOT ACCESSIBLE		--	--	--	--	--	--	--	--	--	--	--	--

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Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-4 (cont)															
08/29/14[25]	35.23	21.48	13.75	--	<39[14,15,16]	<39[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	35.23	24.85	10.38	--	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**35.23**	**23.00**	**12.23**	**--**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-5															
06/06/89	--	--	--	--	--	--	--	--	<50	<0.05	<0.05	<1.0	<3.0	--	--
12/08/89	--	--	--	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
09/07/90	35.31	20.21	15.10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90	35.31	20.37	14.94	--	--	--	--	--	80	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91	35.31	22.25	13.06	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	35.31	21.85	13.46	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	35.31	20.17	15.14	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92	35.31	22.00	13.31	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/20/92	35.31	24.21	11.10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	35.31	21.58	13.73	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92	35.31	20.11	15.20	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	35.31	24.59	10.72	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	35.31	24.88	10.43	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/28/93	35.31	23.50	11.81	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	34.61	21.93	12.68	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94	34.61	23.61	11.00[1]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94	34.61	23.35	11.26	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94[2]	34.61	21.51	13.10	--	--	--	--	--	<2,500	<25	<25	<25	<25	--	--
11/09/94[5]	34.61	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/14/94	34.61	23.24	11.37	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	34.61	25.64	8.97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	34.61	23.78	10.83	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	34.61	22.72	11.89	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	34.61	22.83	11.78	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	34.61	25.59	9.02	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
06/21/96	34.61	23.97	10.64	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	34.61	23.04	11.57	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	34.61	25.59	9.02	--	--	--	--	--	<50	0.7	3.2	<0.5	2.2	<5.0	--
03/28/97	34.61	24.23	10.38	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
NOT MONITORED/SAMPLED															
03/20/12[13]	34.61	24.00	10.61	--	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	34.61	23.94	10.67	--	--	--	--	<50/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/04/12[12]	34.61	23.01	11.60	--	<41[16]/ <41[14,15,16]	<41[16]/ <41[14,15,16]	--	55/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-5 (cont)															
12/07/12[12]	34.61	24.35	10.26	--	350[16]/ <40[14,15,16]	350[16]/ <40[14,15,16]	--	99/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	34.61	23.80	10.81	--	<41[16]/ <41[14,15,16]	<41[16]/ <41[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	34.61	23.16	11.45	--	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	34.61	22.51	12.10	--	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	34.61	22.67	11.94	--	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	34.61	22.99	11.62	--	<45[16]	<45[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	34.61	22.77	11.84	--	<49	--	<49	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	34.61	21.98	12.63	--	<40[14,15,16]	<40[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	34.61	24.98	9.63	--	<39[14,15,16]	<39[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**34.61**	**23.00**	**11.61**	**--**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-6															
12/08/89	--	--	--	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
09/07/90	36.89	20.06	16.83	--	--	--	--	--	57	<0.5	<0.5	0.6	4.0	--	--
12/20/90	36.89	20.23	16.66	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91	36.89	22.09	14.80	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	36.89	21.73	15.16	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	36.89	20.07	16.82	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92	36.89	21.45	15.44	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/20/92	36.89	23.72	13.17	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	36.89	21.45	15.44	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92	36.89	19.91	16.98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	36.89	24.42	12.47	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	36.89	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/28/93	36.89	23.03	13.86	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	36.57	21.72	14.85	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94	36.57	23.57	13.00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94	36.57	23.13	13.44	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94[2]	36.57	21.69	14.88	--	--	--	--	--	<2,500	<25	<25	<25	<25	--	--
11/09/94[5]	36.57	--	--	--	--	--	--	--	<50	<0.5	0.5	<0.5	<0.5	--	--
12/14/94	36.57	23.58	12.99	--	--	--	--	--	<50	0.9	1.5	1.3	2.6	--	--
03/30/95	36.57	25.80	10.77	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-6 (cont)															
06/30/95	36.57	23.95	12.62	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	36.57	22.92	13.65	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	36.57	22.89	13.68	--	--	--	--	--	140[8]	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	36.57	25.84	10.73	--	--	--	--	--	<50	<0.5	0.6	<0.5	<0.5	<5.0	--
06/21/96	36.57	24.16	12.41	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	36.57	23.10	13.47	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	36.57	25.57	11.00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/97	36.57	24.51	12.06	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
NOT MONITORED/SAMPLED															
03/20/12[13]	36.57	24.02	12.55	--	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	36.57	23.99	12.58	--	--	--	--	<50/<50[14]	<50	<0.5	1	<0.5	<0.5	<0.5	--
09/04/12[12]	36.57	22.99	13.58	--	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	36.57	24.30	12.27	--	<38[16]/ <38[14,15,16]	<38[16]/ <38[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	36.57	23.84	12.73	--	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	36.57	23.19	13.38	--	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	36.57	22.55	14.02	--	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	36.57	22.64	13.93	--	<38[16]	<38[16]	--	500/ 510[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	36.57	22.96	13.61	--	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	36.57	22.80	13.77	--	<50	--	<50	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	36.57	22.00	14.57	--	<40[14,15,16]	<40[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	36.57	24.64	11.93	--	<39[14,15,16]	<39[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**36.57**	**23.01**	**13.56**	**--**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-7															
12/08/89	--	--	--	--	--	--	--	--	1,700	32	12	17	150	--	--
09/07/90	32.75	19.73	13.02	--	--	--	--	--	880	84	23	46	180	--	--
12/20/90	32.75	20.47	12.28	--	--	--	--	--	560	24	3.0	19	21	--	--
03/06/91	32.75	15.83	16.92	--	--	--	--	--	240	25	2.0	4.0	26	--	--
06/28/91	32.75	21.44	11.31	--	--	--	--	--	2,400	130	13	82	220	--	--
09/26/91	32.75	20.47	12.28	--	--	--	--	--	8,100	47	35	350	1,200	--	--

Table 2
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Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
		Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-7 (cont)																
01/27/92		32.75	21.32	11.43	--	--	--	--	--	12,000	170	40	420	830	--	--
04/20/92		32.75	23.47	9.28	--	--	--	--	--	1,200	80	11	90	110	--	--
07/17/92		32.75	21.26	11.49	--	--	--	--	--	2,400	20	7.4	95	200	--	--
10/29/92		32.75	19.70	13.05	--	--	--	--	--	69	1.3	<0.5	3.8	7.2	--	--
01/20/93		32.75	24.06	8.69	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93		32.75	24.07	8.68	--	--	--	--	--	2,400	29	8.6	140	210	--	--
07/28/93		32.75	22.76	9.99	--	--	--	--	--	3,600	38	16	290	920	--	--
10/27/93		32.32	21.60	10.72	--	--	--	--	--	22,000	23	26	990	2,600	--	--
03/31/94		32.32	23.21	9.11	--	--	--	--	--	2,300	45	7.0	130	190	--	--
06/08/94		32.32	23.10	9.22	--	--	--	--	--	6,900	46	11	380	820	--	--
09/29/94		32.32	21.00	11.32	--	--	--	--	--	11,000	10	11	620	810	--	--
11/09/94[5]		32.32	--	--	--	--	--	--	--	7,800	33	18	570	1,100	--	--
12/14/94		32.32	23.33	8.99	--	--	--	--	--	7,700	63	16	140	1,200	--	--
03/30/95		32.32	25.04	7.28	--	--	--	--	--	4,100	64	18	170	280	--	--
06/30/95		32.32	23.25	9.07	--	--	--	--	--	1,200	31	3.7	21	18	--	--
09/22/95		32.32	22.27	10.05	--	--	--	--	--	1,800	64	5.7	30	38	--	--
12/11/95		32.32	23.02	9.30	--	--	--	--	--	14,000	80	6.1	91	120	70	--
03/08/96		32.32	24.99	7.33	--	--	--	--	--	2,300	57	8.4	110	180	37	--
06/21/96		32.32	23.47	8.85	--	--	--	--	--	1,100	37	3.2	21	29	9.0	--
09/27/96		32.32	23.21	9.11	--	--	--	--	--	10,000	150	30	270	670	45	--
01/03/97		32.32	24.83	7.49	--	--	--	--	--	1,800	35	<0.5	34	72	15	--
03/28/97		32.32	23.75	8.57	--	--	--	--	--	2,200	38	4.1	31	56	19	--
09/30/97		32.32	MONITORED ANNUALLY			--	--	--	--	--	--	--	--	--	--	--
03/28/98		32.32	24.98	7.34	--	--	--	--	--	2,100[8]	28	7.8	70	170	<25	--
03/19/99		32.32	24.61	7.71	--	--	--	--	--	5,300	63	24	280	370	67[10]	--
03/21/00		32.32	24.57	7.75	--	--	--	--	--	2,830	19.5	5.14	116	206	11.7	--
08/28/00		32.32	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/01		32.32	24.06	8.26	0.00	--	--	--	--	7,620[11]	54.7	<25.0	522	945	<250	--
09/04/01		32.32	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/21/02		32.32	24.10	8.22	0.00	--	--	--	--	9,300	31	8.4	460	850	<20	--
09/04/02		32.32	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/31/03		32.32	23.67	8.65	0.00	--	--	--	--	3,300	17	3.9	92	190	31	--
09/17/03	†	32.80	MONITORED /SAMPLED ANNUALLY						--	--	--	--	--	--	--	--
03/05/04[12]		32.80	24.86	7.94	0.00	--	--	--	--	2,200	7	1	50	120	<0.5	--
09/03/04		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/05[12]		32.80	25.14	7.66	0.00	--	--	--	--	2,500	11	2	39	84	<0.5	--
09/02/05		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/24/06[12]		32.80	25.44	7.36	0.00	--	--	--	--	3,300	12	3	56	100	<0.5	--
03/05/07[12]		32.80	24.46	8.34	0.00	--	--	--	--	1,600	5	0.8	13	30	<0.5	--
03/17/08[12]		32.32	23.69	8.63	0.00	--	--	--	--	750	2	<0.5	4	12	<0.5	--

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San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-7 (cont)															
03/03/09[12]	32.32	23.88	8.44	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/17/10[12]	32.32	24.21	8.11	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/04/11[12]	32.32	23.18	9.14	0.00	--	--	--	--	<50	<0.5	<0.5	0.6	<0.5	<0.5	--
03/23/12[12]	32.32	23.42	8.90	0.00	--	--	--	<50/<50[14]	<50	<3	<3	<3	<3	<3	--
09/04/12[12]	32.32	22.49	9.83	0.00	48[16]/ <40[14,15,16]	48[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	32.32	23.77	8.55	0.00	140[16]/ <40[14,15,16]	140[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	32.32	23.31	9.01	0.00	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	32.32	22.71	9.61	0.00	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	32.32	22.04	10.28	0.00	<38[16]	<38[16]	--	71/ 61[14,15]	87	<0.5	<0.5	3	<0.5	<0.5	--
12/04/13[12]	32.32	22.17	10.15	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	32.32	22.55	9.77	0.00	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	32.32	22.27	10.05	0.00	<52	--	<52	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	32.32	21.54	10.78	0.00	<40[14,15,16]	<40[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	32.32	24.08	8.24	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**32.32**	**22.60**	**9.72**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-8															
12/08/89	--	--	--	--	--	--	--	--	4,800	62	11	95	180	--	--
09/07/90	33.82	19.50	14.32	--	--	--	--	--	3,700	170	31	180	270	--	--
12/20/90	33.82	19.61	14.20	--	--	--	--	--	3,900	120	20	130	180	--	--
03/06/91	33.82	19.02	14.80	--	--	--	--	--	1,200	45	6.0	34	57	--	--
06/28/91	33.82	21.17	12.65	--	--	--	--	--	6,900	180	46	340	640	--	--
09/26/91	33.82	19.53	14.29	--	--	--	--	--	1,400	66	9.8	38	40	--	--
01/27/92	33.82	21.22	12.60	--	--	--	--	--	3,600	100	26	170	260	--	--
04/20/92	33.82	23.46	10.36	--	--	--	--	--	2,600	110	32	180	260	--	--
07/17/92	33.82	20.94	12.88	--	--	--	--	--	1,100	34	5.9	35	52	--	--
10/29/92	33.82	19.43	14.39	--	--	--	--	--	820	29	4.8	23	27	--	--
01/20/93	33.82	23.80	10.02	--	--	--	--	--	6,000	81	22	200	310	--	--
05/03/93	33.82	24.07	9.75	--	--	--	--	--	11,000	75	96	880	2,600	--	--
07/28/93	33.82	22.68	11.14	--	--	--	--	--	2,800	60	13	92	150	--	--

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		Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-8 (cont)																
10/27/93		33.25	21.24	12.01	--	--	--	--	--	2,700	49	17	60	90	--	--
03/31/94		33.25	22.98	10.27	--	--	--	--	--	190	8.6	1.7	9.1	11	--	--
06/08/94		33.25	22.69	10.56	--	--	--	--	--	2,800	52	110	78	110	--	--
09/29/94		33.25	20.83	12.42	--	--	--	--	--	3,700	120	20	120	85	--	--
11/09/94[5]		33.25	--	--	--	--	--	--	--	3,200	82	44	160	110	--	--
12/14/94		33.25	22.74	10.51	--	--	--	--	--	5,300	140	30	170	310	--	--
03/30/95		33.25	24.81	8.44	--	--	--	--	--	3,900	86	19	180	210	--	--
06/30/95		33.25	23.11	10.14	--	--	--	--	--	1,500	75	21	72	72	--	--
09/22/95		33.25	22.05	11.20	--	--	--	--	--	3,400	94	24	110	110	--	--
12/11/95		33.25	22.26	10.99	--	--	--	--	--	7,500	100	<0.5	160	120	130	--
03/08/96		33.25	24.79	8.46	--	--	--	--	--	3,600	93	8.9	110	88	82	--
06/21/96		33.25	23.28	9.97	--	--	--	--	--	3,200	69	6.8	100	88	19	--
09/27/96		33.25	22.47	10.78	--	--	--	--	--	7,000	98	12	150	130	53	--
01/03/97		33.25	24.43	8.82	--	--	--	--	--	5,700	43	9.3	110	95	17	--
03/28/97		33.25	23.60	9.65	--	--	--	--	--	4,900	52	4.7	70	47	50	--
09/30/97		33.25	MONITORED ANNUALLY			--	--	--	--	--	--	--	--	--	--	--
03/28/98		33.25	24.78	8.47	--	--	--	--	--	3,300[8]	33	4.2	110	61	<25	--
03/19/99		33.25	24.34	8.91	--	--	--	--	--	2,600	34	16	34	19	76[10]	--
03/21/00		33.25	24.43	8.82	--	--	--	--	--	4,300	8.45	42.3	61.1	20.3	33.8	--
08/28/00		33.25	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/01		33.25	23.75	9.50	0.00	--	--	--	--	2,980[11]	37.4	4.12	22.3	11.3	40.4	--
09/04/01		33.25	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/21/02		33.25	23.86	9.39	0.00	--	--	--	--	3,500	<20	2.0	15	8.3	<10	--
09/04/02		33.25	MONITORED/SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/31/03		33.25	23.45	9.80	0.00	--	--	--	--	4,700	<20	2.1	22	11	<50	--
09/17/03	†	32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/05/04[12]		32.80	23.70	9.10	0.00	--	--	--	--	5,500	3	2	58	17	<0.5	--
09/03/04		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/02/05[12]		32.80	23.94	8.86	0.00	--	--	--	--	3,300	1	0.8	17	9	<0.5	--
09/02/05		32.80	MONITORED /SAMPLED ANNUALLY					--	--	--	--	--	--	--	--	--
03/24/06[12]		32.80	25.13	7.67	0.00	--	--	--	--	4,000	0.9	0.7	18	8	<0.5	--
03/05/07[12]		32.80	23.26	9.54	0.00	--	--	--	--	8,100	1	1	66	19	<0.5	--
03/17/08[12]		33.25	23.45	9.80	0.00	--	--	--	--	8,800	2	1	62	18	<0.5	--
03/03/09[12]		33.25	23.52	9.73	0.00	--	--	--	--	7,400	0.8	0.7	56	11	<0.5	--
03/17/10[12]		33.25	23.98	9.27	0.00	--	--	--	--	8,700	1	0.8	51	11	<0.5	--
03/04/11[12]		33.25	23.32	9.93	0.00	--	--	--	--	8,900	1	0.6	37	8	<0.5	--
03/23/12[12]		33.25	23.06	9.93	0.00	--	--	--	2,900/ 2,000[14]	8,900	0.8	5	33	0.5	<0.5	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-8 (cont)															
09/04/12[12]	33.25	22.19	11.06	0.00	59[16]/ <40[14,15,16]	59[16]/ <40[14,15,16]	--	3,000/ 2,800[14,15,18]	11,000	1	0.5	35	4	<0.5	--
12/07/12[12]	33.25	23.45	9.80	0.00	65[16]/ <41[14,15,16]	65[16]/ <41[14,15,16]	--	3,100/ 3,000[14,15]	7,800	<5[21]	<5[21]	26[21]	<5[21]	<5[21]	--
03/12/13[12]	33.25	23.07	10.18	0.00	<42[16]/ <42[14,15,16]	<42[16]/ <42[14,15,16]	--	2,200/ 1,800[14,15]	8,300	<5	<5	21	<5	<5	--
06/11/13[12]	33.25	22.45	10.80	0.00	<40[16]	<40[16]	--	3,000/ 2,000[14,15]	7,800	0.6	<0.5	31	4	<0.5	--
09/10/13[12]	33.25	21.75	11.50	0.00	<38[16,24]	<38[16,24]	--	2,900/ 2,700[14,15]	10,000[21]	<1[21]	1[21]	26[21]	5[21]	<1[21]	--
12/04/13[12]	33.25	21.85	11.40	0.00	<38[16,24]	<38[16,24]	--	3,500/ 2,600[14,23]	8,900	<0.5	<0.5	28	3	<0.5	--
02/07/14[25]	33.25	22.17	11.08	0.00	52[16,24]	52[16,24]	--	2,600/ 2,300[14,15]	9,100	0.8	0.5	27	3	--	--
06/25/14[25]	33.25	21.99	11.26	0.00	570	--	570	2,100[14,15]	9,100	0.8	<0.5	26	3	--	--
08/29/14[25,26]	33.25	21.24	12.01	0.00	<38[14,15,16]	<38[14,15,16]	--	2,800[14,15]	6,800	0.5	<0.5	18	2	--	--
08/29/14[25]					<38[14,15,16]	<38[14,15,16]	--	2,400[14,15]	8,600	0.7	<0.5	21	2	--	--
12/12/14[25,26]	33.25	23.65	9.60	0.00	<39[14,15,16]	<39[14,15,16]	--	1,200[14,15]	6,300	0.7	<0.5	12	2	--	--
12/12/14[25]					<38[14,15,16]	<38[14,15,16]	--	1,700[14,15]	7,600	<1[21]	<1[21]	18[21]	2[21]	--	--
06/01/15[25,26]	**33.25**	**22.34**	**10.91**	**0.00**	**--**	**--**	**--**	**1,900[14,15]**	**7,300**	**<3**	**<3**	**16**	**<3**	**--**	**--**
06/01/15[25]					**--**	**--**	**--**	**1,800[14,15]**	**7,300**	**10**	**<3**	**29**	**11**	**--**	**--**
C-9															
09/07/90	33.43	19.37	14.06	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90	33.43	19.40	14.03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91	33.43	21.31	12.12	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	33.43	21.02	12.41	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	33.43	19.41	14.02	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92	33.43	20.90	12.53	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/20/92	33.43	23.21	10.22	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	33.43	20.79	12.64	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92	33.43	19.23	14.20	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	33.43	23.71	9.72	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	33.43	23.66	9.55	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/28/93	33.43	22.45	10.98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	32.97	20.99	11.98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--

Table 2
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Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-9 (cont)															
03/31/94	32.97	22.80	10.17	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94	32.97	22.44	10.53	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94[2]	32.97	20.57	12.40	--	--	--	--	--	<5,000	<50	<50	<50	<50	--	--
11/09/94[5]	32.97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.7	--	--
12/14/94	32.97	22.48	10.49	--	--	--	--	--	69	1.1	2.2	3.4	7.8	--	--
03/30/95	32.97	24.77	8.20	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	32.97	23.00	9.97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	32.97	21.90	11.07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	32.97	21.89	11.08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	32.97	24.77	8.20	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
06/21/96	32.97	23.16	9.81	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	32.97	22.06	10.91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	32.97	24.30	8.67	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/97	32.97	23.50	9.47	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/30/97	32.97	21.36	11.61	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/98	32.97	24.71	8.26	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/08/98	32.97	22.73	10.24	--	--	--	--	--	<50	5.7	1.4	1.4	1.8	4.9	--
03/19/99	32.97	24.27	8.70	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/21/99	32.97	22.00	10.97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/21/00	32.97	24.38	8.59	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/28/00	32.97	22.02	10.95	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/02/01	32.97	23.57	9.40	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01	32.97	21.66	11.31	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/21/02	32.97	23.72	9.25	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/04/02	32.97	21.93	11.04	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/31/03	32.97	23.29	9.68	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/17/03[12]	32.97	21.99	10.98	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/04[12]	32.97	24.07	8.90	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/04[12]	32.97	21.54	11.43	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/02/05[12]	32.97	24.24	8.73	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05[12]	32.97	22.38	10.59	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/24/06	32.97	24.30	8.67	0.00	--	--	--	--	--	--	--	--	--	--	--
03/05/07	32.97	23.49	9.48	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/08	32.97	23.27	9.70	0.00	--	--	--	--	--	--	--	--	--	--	--
03/03/09	32.97	23.37	9.60	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/10	32.97	23.83	9.14	0.00	--	--	--	--	--	--	--	--	--	--	--
03/04/11	32.97	23.71	9.26	0.00	--	--	--	--	--	--	--	--	--	--	--
03/20/12[13]	32.97	22.93	10.04	0.00	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	32.97	22.94	10.03	0.00	--	--	--	<50/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

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San Lorenzo, California

WELL ID/ DATE		TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
		Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-9 (cont)																
09/04/12[12]		32.97	21.94	11.03	0.00	55[16]/ <40[14,15,16]	55[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]		32.97	23.17	9.80	0.00	43[16]/ <41[14,15,16]	43[16]/ <41[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]		32.97	22.87	10.10	0.00	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]		32.97	22.22	10.75	0.00	<42[16]	<42[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]		32.97	21.47	11.50	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]		32.97	21.59	11.38	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]		32.97	21.82	11.15	0.00	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]		32.97	21.76	11.21	0.00	<48	--	<48	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]		32.97	20.96	12.01	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]		32.97	23.42	9.55	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]		**32.97**	**22.07**	**10.90**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-10																
09/07/90		31.63	19.14	12.49	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90		31.63	19.27	12.36	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91		31.63	21.18	10.45	--	--	--	--	--	<50	<0.5	0.8	<0.5	0.8	--	--
06/28/91		31.63	20.69	10.74	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91		31.63	19.21	12.42	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92		31.63	20.79	10.84	--	--	--	--	--	<50	<0.5	1.3	<0.5	<0.5	--	--
01/27/92	(D)	31.63	--	--	--	--	--	--	--	<50	<0.5	1.3	<0.5	<0.5	--	--
04/20/92		31.63	23.06	8.55	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92		31.63	20.61	11.02	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92		31.63	19.23	12.40	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93		31.63	23.49	8.14	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93		31.63	23.71	7.92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/28/93		31.63	22.27	9.36	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93		31.16	20.86	10.30	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94		31.16	22.71	8.45	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94		31.16	22.31	8.85	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

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WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
C-10 (cont)															
09/29/94[2]	31.16	20.46	10.70	--	--	--	--	--	<5,000	<50	<50	<50	<50	--	--
11/09/94[5]	31.16	--	--	--	--	--	--	--	<50	<0.5	1.4	0.8	1.2	--	--
12/14/94	31.16	22.55	8.61	--	--	--	--	--	110	3.9	5.4	4.3	11	--	--
03/30/95	31.16	24.51	6.65	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	31.16	22.86	8.30	--	--	--	--	--	<50	1.5	1.5	<0.5	2.2	--	--
09/22/95	31.16	21.75	9.41	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	31.16	21.89	9.27	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	31.16	24.53	6.63	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.5	<5.0	--
06/21/96	31.16	23.04	8.12	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	31.16	21.95	9.21	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	31.16	23.84	7.32	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/97	31.16	23.34	7.82	--	--	--	--	--	<50	1.2	1.8	<0.5	0.8	<5.0	--
09/30/97	31.16	21.34	9.82	--	--	--	--	--	<250[9]	<2.5	<2.5	<2.5	<2.5	<25	--
03/28/98	31.16	24.60	6.56	--	--	--	--	--	<50	<0.5	0.52	<0.5	<0.5	<2.5	--
09/08/98	31.16	22.65	8.51	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/19/99	31.16	24.00	7.16	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	9.2[10]	--
09/21/99	31.16	21.87	9.29	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	6.38	--
03/21/00	31.16	24.54	6.62	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	10.6	--
08/28/00	31.16	21.86	9.30	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	7.7	--
03/02/01	31.16	23.41	7.75	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01	31.16	21.54	9.62	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/21/02	31.16	23.56	7.60	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/04/02	31.16	21.76	9.40	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/31/03	31.16	23.14	8.02	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/17/03[12]	31.16	21.85	9.31	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	--
03/05/04[12]	31.16	23.88	7.28	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	0.5	--
09/03/04[12]	31.16	21.50	9.66	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/02/05[12]	31.16	24.08	7.08	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05[12]	31.16	22.35	8.81	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/24/06	31.16	23.54	7.62	0.00	--	--	--	--	--	--	--	--	--	--	--
03/05/07	31.16	23.39	7.77	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/08	31.16	21.56	9.60	0.00	--	--	--	--	--	--	--	--	--	--	--
03/03/09	31.16	23.26	7.90	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/10	31.16	23.69	7.47	0.00	--	--	--	--	--	--	--	--	--	--	--
03/04/11	31.16	22.84	8.32	0.00	--	--	--	--	--	--	--	--	--	--	--
03/20/12[13]	31.16	23.14	8.02	0.00	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	31.16	22.85	8.31	0.00	--	--	--	<50/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-10 (cont)															
09/04/12[12]	31.16	21.84	9.32	0.00	<40[16]/ <40[14,15,16]	<40[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	31.16	22.72	8.44	0.00	470[16]/ 71[14,15,16]	470[16]/ 71[14,15,16]	--	150/ 64[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/12/13[12]	31.16	22.89	8.27	0.00	<42[16]/ <42[14,15,16]	<42[16]/ <42[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	31.16	22.14	9.02	0.00	<41[16]	<41[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	31.16	21.41	9.75	0.00	<39[16]	<39[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	31.16	21.44	9.72	0.00	<38[16]	<38[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	31.16	21.78	9.38	0.00	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	31.16	21.66	9.50	0.00	<50	--	<50	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	31.16	21.14	10.02	0.00	<37[14,15,16]	<37[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	31.16	23.26	7.90	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**31.16**	**22.02**	**9.14**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
C-11															
09/07/90	31.58	19.36	12.22	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90	31.58	19.50	12.08	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91	31.58	15.43	16.15	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	31.58	21.06	10.52	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	31.58	19.38	12.20	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92	31.58	20.85	10.73	--	--	--	--	--	<50	<0.5	0.8	<0.5	<0.5	--	--
04/20/92	31.58	23.02	8.56	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	31.58	20.80	10.78	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92	31.58	19.51	12.07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	31.58	21.61	7.97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	31.58	23.63	7.95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/28/93	31.58	22.27	9.31	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	31.23	21.06	10.17	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94	31.23	22.80	8.43	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94	31.23	22.47	8.76	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/29/94	31.23	20.69	10.54	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/09/94	--	--	--	--	--	--	--	--	<50	<0.5	0.6	<0.5	0.7	--	--
12/14/94	31.23	22.73	8.50	--	--	--	--	--	51	1.1	1.7	1.6	4.0	--	--

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Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-11 (cont)															
03/30/95	31.23	24.38	6.85	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	31.23	22.89	8.34	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	31.23	21.93	9.30	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	31.23	22.22	9.01	--	--	--	--	--	<50	<0.5	<0.5	<0.5	1.1	1.1	--
03/08/96	31.23	24.33	6.90	--	--	--	--	--	<50	<0.5	0.6	<0.5	1.6	<5.0	--
06/21/96	31.23	23.13	8.10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/27/96	31.23	22.16	9.07	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	31.23	24.10	7.13	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/97	31.23	21.40	9.83	--	--	--	--	--	120	12	20	2.3	14	<5.0	--
09/30/97	31.23	21.56	9.67	--	--	--	--	--	<50	0.7	0.8	<0.5	0.6	<5.0	--
03/28/98	31.23	24.40	6.83	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/08/98	31.23	22.72	8.51	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/19/99	31.23	24.06	7.17	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/21/99	31.23	22.02	9.21	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/21/00	31.23	24.13	7.10	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/28/00	31.23	22.04	9.19	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/02/01	31.23	23.34	7.89	0.00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01	31.23	21.78	9.45	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/21/02	31.23	23.66	7.57	0.00	--	--	--	--	<250	<1.0	<1.0	<1.0	<3.0	<2.5	--
09/04/02	31.23	21.98	9.25	0.00	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/31/03	31.23	23.26	7.97	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/17/03[12]	31.23	22.04	9.19	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/04[12]	31.23	23.88	7.35	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/04[12]	31.23	21.74	9.49	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/02/05[12]	31.23	24.18	7.05	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05[12]	31.23	22.61	8.62	0.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/24/06	31.23	24.22	7.01	0.00	--	--	--	--	--	--	--	--	--	--	--
03/05/07	31.23	23.53	7.70	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/08	31.23	22.30	8.93	0.00	--	--	--	--	--	--	--	--	--	--	--
03/03/09	31.23	23.43	7.80	0.00	--	--	--	--	--	--	--	--	--	--	--
03/17/10	31.23	23.67	7.56	0.00	--	--	--	--	--	--	--	--	--	--	--
03/04/11	31.23	22.98	8.25	0.00	--	--	--	--	--	--	--	--	--	--	--
03/20/12[13]	31.23	23.07	8.16	0.00	--	--	--	--	--	--	--	--	--	--	--
03/23/12[12]	31.23	23.02	8.21	0.00	--	--	--	110/<50[14]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/04/12[12]	31.23	22.05	9.18	0.00	50[16]/ 60[14,15,16,17]	50[16]/ 60[14,15,16,17]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	31.23	23.28	7.95	0.00	200[16]/ <40[14,15,16]	200[16]/ <40[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 2
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San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
C-11 (cont)															
03/12/13[12]	31.23	22.85	8.38	0.00	<42[16]/ <42[14,15,16]	<42[16]/ <42[14,15,16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	31.23	22.33	8.90	0.00	<41[16]	<41[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	31.23	21.63	9.60	0.00	<40[16]	<40[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	31.23	21.59	9.64	0.00	410[16]	410[16]	--	56/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	31.23	22.13	9.10	0.00	44[16]	44[16]	--	<50/ <50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	31.23	21.85	9.38	0.00	<48	--	<48	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	31.23	21.12	10.11	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25]	31.23	23.38	7.85	0.00	<38[14,15,16]	<38[14,15,16]	--	<50[14,15]	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25]	**31.23**	**22.23**	**9.00**	**0.00**	**--**	**--**	**--**	**<50[14,15]**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
TRIP BLANK															
09/07/90	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/90	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/06/91	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/28/91	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/91	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/27/92	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/20/92	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/29/92	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/20/93	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/03/93	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/28/93	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/27/93	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
03/31/94	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/08/94	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/09/94	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/14/94	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/95	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/11/95	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/08/96	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
06/21/96	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

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San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
	Groundwater ESL				100	100	100	100	100	1	40	30	20	5	NE
TRIP BLANK (cont)															
09/27/96	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
01/03/97	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/97	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/30/97	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/28/98	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/08/98	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/19/99	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/21/99	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/21/00	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/28/00	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/02/01	--	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	--
09/04/01	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
QA															
03/21/02	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/04/02	--	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/31/03	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/17/03[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/04[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/04[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/02/05[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/05[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/24/06[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/07[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/17/08[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/09[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/04/12[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/07/12[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5[22]	--
03/12/13[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/11/13[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/10/13[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/13[12]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/14[25]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/25/14[25]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/29/14[25]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/12/14[25,27]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	LNAPL Thickness (ft.)	TOTAL TPH (µg/L)	TPH-MO (µg/L)	TPH C13-C40 (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	HVOCs (µg/L)
Groundwater ESL					**100**	**100**	**100**	**100**	**100**	**1**	**40**	**30**	**20**	**5**	**NE**
QA (cont)															
12/12/14[25,28]	--	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/01/15[25,27]	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**
06/01/15[25,28]	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**	**--**

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 28, 2000, were compiled from reports prepared by Blaine Tech Services, Inc. Current groundwater monitoring data was provided by Gettler - Ryan Inc. Current laboratory analytical results were provided by Eurofins Lancaster Laboratories.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
LNAPL = Light Non-Aqueous Phase Liquid
TPH = Total Petroleum Hydrocarbons
MO= Motor Oil

DRO = Total Petroleum Hydrocarbons as Diesel
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MtBE = Methyl Tertiary-Butyl Ether
HVOCs = Halogenated Volatile Organic Compounds

(µg/L) = Micrograms per liter
(ppb) = Parts per billion
(D) = Duplicate
ND = Not Detected
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank
QC = Quality Control

ESL = California Regional Water Quality Control Board - San Francisco Bay Region Environmental Screening Level for groundwater that is a current or potential source of drinking water
NE = ESL not established

t TOC elevations for wells C-2, C-3, C-7, and C-8 were inadvertently switched from September 17, 2003, to March 5, 2007. TOC's have been corrected as of March 17, 2008, to reflect the current TOC data.

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

[1] Depth to water measured from top of well vault.

[2] Detection limit raised due to foaming sample.

[3] Other HVOCs were not detected at detection limits of 0.5-1.0 ppb.

[4] Chloroform detected at <0.5 ppb.

[5] All site monitoring wells were re-sampled due to an excessive number of foaming samples on the 09/29/94 event.

[6] Chloroform detected at 1.8 ppb.

[7] Laboratory report indicates uncategorized compounds are not included in gas concentration.

[8] Chromatogram pattern indicates an unidentified hydrocarbon.

[9] Laboratory report indicates sample diluted due to foaming.

[10] MtBE value was reported from a re-analyzation on 04/01/99.

[11] Laboratory report indicates weathered gasoline C6-C12.

[12] BTEX and MtBE by EPA Method 8260.

[13] Well redeveloped.

[14] Analyzed with Silica gel cleanup.

[15] Laboratory report indicates the reverse surrogate, capric acid, is present at <1%.

[16] Laboratory report indicates TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.

[17] Laboratory report indicates target analytes were detected in the method blank associated with the samples as noted on the QC Summary. The following corrective action was taken: The sample was re-analyzed outside of the method required holding time, and the method blank results are outside the from the first trial. Similar results were obtained in both trials.

Table 2
Groundwater Monitoring Data and Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

EXPLANATIONS:

[18] Laboratory report indicates target analytes were detected in the method blank associated with the samples as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside of the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

[19] Laboratory report indicates due to the dilution of the sample extract, capric acid recovery can not be determined.

[20] Laboratory report indicates due to the matrix of the sample extract, capric acid recovery can not be determined.

[21] Laboratory report indicates reporting limits were raised due to interference from the sample matrix.

[22] Laboratory report indicates MtBE in the continuing calibration verification standard is outside the QC acceptance limits. The following corrective action was taken: This analysis was repeated using a previously opened container with headspace under a continuing calibration standard that was within the QC acceptance limits. MtBE was not detected in either analysis. Results reported are from the initial analysis.

[23] Laboratory report indicates due to the presence of fuel in the sample extract, capric acid recovery can not be determined.

[24] Laboratory report indicates the surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

[25] BTEX by EPA Method 8260.

[26] Well purged and sampled using low-flow procedures.

[27] QA submitted with samples collected from wells sampled using disposable bailers.

[28] QA submitted with samples collected from wells sampled using low-flow procedures.

Table 3
Additional Groundwater Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	NAPH (µg/L)
Groundwater ESL		**NE**	**12**	**NE**	**NE**	**NE**	**6.1**
C-1	03/19/99	<2,500	<500	<10	<10	<10	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	SAMPLED ANNUALLY		--	--	--	--
	03/02/05	<50	--	--	--	--	--
	03/24/06	<50	--	--	--	--	--
	03/05/07	<50	--	--	--	--	--
	03/17/08	<50	--	--	--	--	--
	03/03/09	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15[1]	**--**	**--**	**--**	**--**	**--**	**<1**
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-2	03/19/99	<2,500	<500	<10	<10	<10	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	SAMPLED ANNUALLY		--	--	--	--
	03/02/05	<50	--	--	--	--	--
	03/24/06	<50	--	--	--	--	--
	03/05/07	<50	--	--	--	--	--
	03/17/08	<50	--	--	--	--	--
	03/03/09	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	08/29/14[1]	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14[1]	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
C-3	03/19/99	<500	<100	<2.0	<2.0	<2.0	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	SAMPLED ANNUALLY		--	--	--	--
	03/02/05	<50	--	--	--	--	--
	03/24/06	<50	--	--	--	--	--
	03/05/07	<50	--	--	--	--	--
	03/17/08	<50	--	--	--	--	--

Table 3
Additional Groundwater Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	NAPH (µg/L)
Groundwater ESL		**NE**	**12**	**NE**	**NE**	**NE**	**6.1**
C-3 (cont)	06/25/14	--	--	--	--	--	<1
	03/03/09	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-4	02/07/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-5	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-6	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-7	03/19/99	<500	<100	<2.0	<2.0	<2.0	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	SAMPLED ANNUALLY		--	--	--	--
	03/02/05	<50	--	--	--	--	--
	03/24/06	<50	--	--	--	--	--
	03/05/07	<50	--	--	--	--	--
	03/17/08	<50	--	--	--	--	--
	03/03/09	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1

Table 3

Additional Groundwater Analytical Results

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	NAPH (µg/L)
Groundwater ESL		**NE**	**12**	**NE**	**NE**	**NE**	**6.1**
C-7 (cont)	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-8	03/19/99	<500	<100	<2.0	<2.0	<2.0	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	SAMPLED ANNUALLY		--	--	--	--
	03/02/05	<50	--	--	--	--	--
	03/24/06	<50	--	--	--	--	--
	03/05/07	<50	--	--	--	--	--
	03/17/08	<50	--	--	--	--	--
	03/03/09	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	9
	06/25/14	--	--	--	--	--	8
	08/29/14[1]	--	--	--	--	--	7
	08/29/14	--	--	--	--	--	8
	12/12/14[1]	--	--	--	--	--	3
	12/12/14	--	--	--	--	--	9[2]
	06/01/15[1]	**--**	**--**	**--**	**--**	**--**	**10**
	06/01/15	**--**	**--**	**--**	**--**	**--**	**10**
C-9	09/17/03	<50	--	--	--	--	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	<50	--	--	--	--	--
	03/02/05	<50	--	--	--	--	--
	09/02/05	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-10	03/19/99	<500	<100	<2.0	<2.0	<2.0	--
	09/17/03	<50	--	--	--	--	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	<50	--	--	--	--	--
	03/02/05	<50	--	--	--	--	--

Table 3
Additional Groundwater Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	NAPH (µg/L)
Groundwater ESL		**NE**	**12**	**NE**	**NE**	**NE**	**6.1**
C-10 (cont)	09/02/05	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
C-11	09/17/03	<50	--	--	--	--	--
	03/05/04	<50	--	--	--	--	--
	09/03/04	<50	--	--	--	--	--
	03/02/05	<50	--	--	--	--	--
	09/02/05	<50	--	--	--	--	--
	02/07/14	--	--	--	--	--	<1
	06/25/14	--	--	--	--	--	<1
	08/29/14	--	--	--	--	--	<1
	12/12/14	--	--	--	--	--	<1
	06/01/15	**--**	**--**	**--**	**--**	**--**	**<1**
TRIP BLANK							
QA	06/25/14	--	--	--	--	--	<1

Table 3
Additional Groundwater Analytical Results
Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California

EXPLANATIONS:

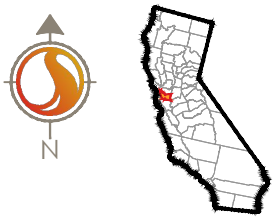
Groundwater laboratory analytical results before September 17, 2003, were compiled from reports prepared by Blaine Tech Services, Inc. Groundwater monitoring data and laboratory analytical results between 2004 and 2009 and since 2014 were provided by Gettler-Ryan Inc. and Eurofins Lancaster Laboratories.

TBA = Tertiary-Butyl Alcohol
MtBE = Methyl Tertiary-Butyl Ether
DIPE = Di-Isopropyl Ether
ETBE = Ethyl Tertiary-Butyl Ether
TAME = Tertiary-Amyl Methyl Ether
NAPH = Naphthalene
(µg/L) = Micrograms per liter
-- = Not Analyzed
ESL = California Regional Water Quality Control Board - San Francisco Bay Region Environmental Screening Level for groundwater that is a current or potential source of drinking water
NE = ESL not established

[1] Well purged and sampled using low-flow procedures.

[2] Laboratory report indicates reporting limits were raised due to interference from the sample matrix.

FIGURES



CALIFORNIA

1 1/2 0 1

SCALE IN MILES

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

REFERENCE: USGS 7.5 MINUTE QUADRANGLES;
SAN LEANDRO, CALIFORNIA; 2012 AND HAYWARD, CALIFORNIA; 2012

Stantec
15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032
PHONE: (408)356-6124 FAX: (408)356-6138

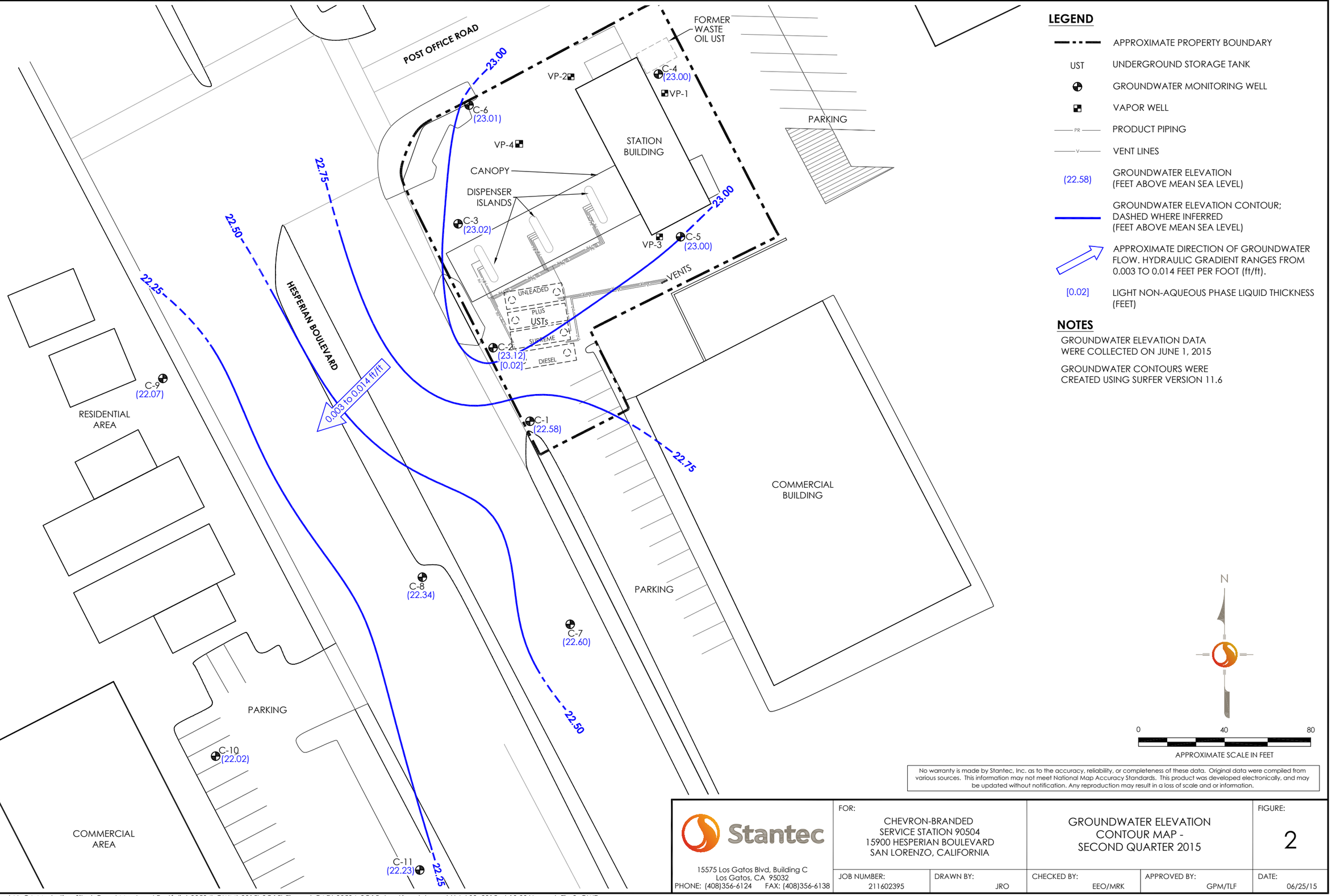
FOR:
CHEVRON-BRANDED
SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

SITE LOCATION MAP

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\90504\GWM\2015\2Q15\Figures\CAD\90504_2Q15.dwg | jopalekopsahl | Jul 02, 2015 at 8:51 | Layout: Fig 1_SLM



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- VAPOR WELL
- PR — PRODUCT PIPING
- V — VENT LINES
- (22.58) — GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- GROUNDWATER ELEVATION CONTOUR; DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW. HYDRAULIC GRADIENT RANGES FROM 0.003 TO 0.014 FEET PER FOOT (ft/ft).
- [0.02] — LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)

NOTES

GROUNDWATER ELEVATION DATA WERE COLLECTED ON JUNE 1, 2015

GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 11.6

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
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FOR: CHEVRON-BRANDED SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP - SECOND QUARTER 2015

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

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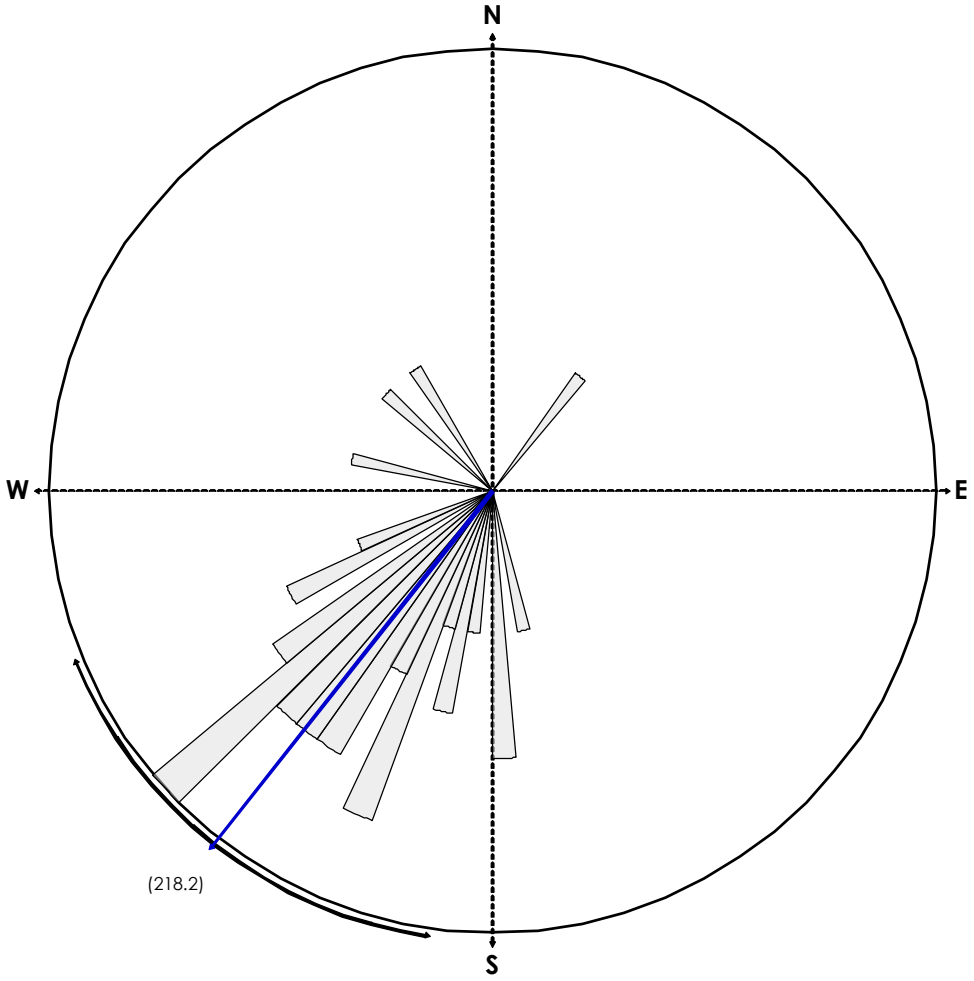

EQUAL AREA PLOT

Number of Points	57
Class Size	5
Vector Mean	218.16
Vector Magnitude	49.22
Consistency Ratio	0.86

NOTE: ROSE DIAGRAM IS BASED ON THE DIRECTION OF GROUNDWATER FLOW BEGINNING FOURTH QUARTER 1989. THE ROSE DIAGRAM INCLUDES BOTH THE ON-SITE AND OFF-SITE DIRECTIONS OF GROUNDWATER FLOW FOR THIRD QUARTER 2014.

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FOR: CHEVRON-BRANDED SERVICE STATION 90504 15900 HESPERIAN BOULEVARD SAN LORENZO, CALIFORNIA

GROUNDWATER FLOW DIRECTION ROSE DIAGRAM - SECOND QUARTER 2015

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

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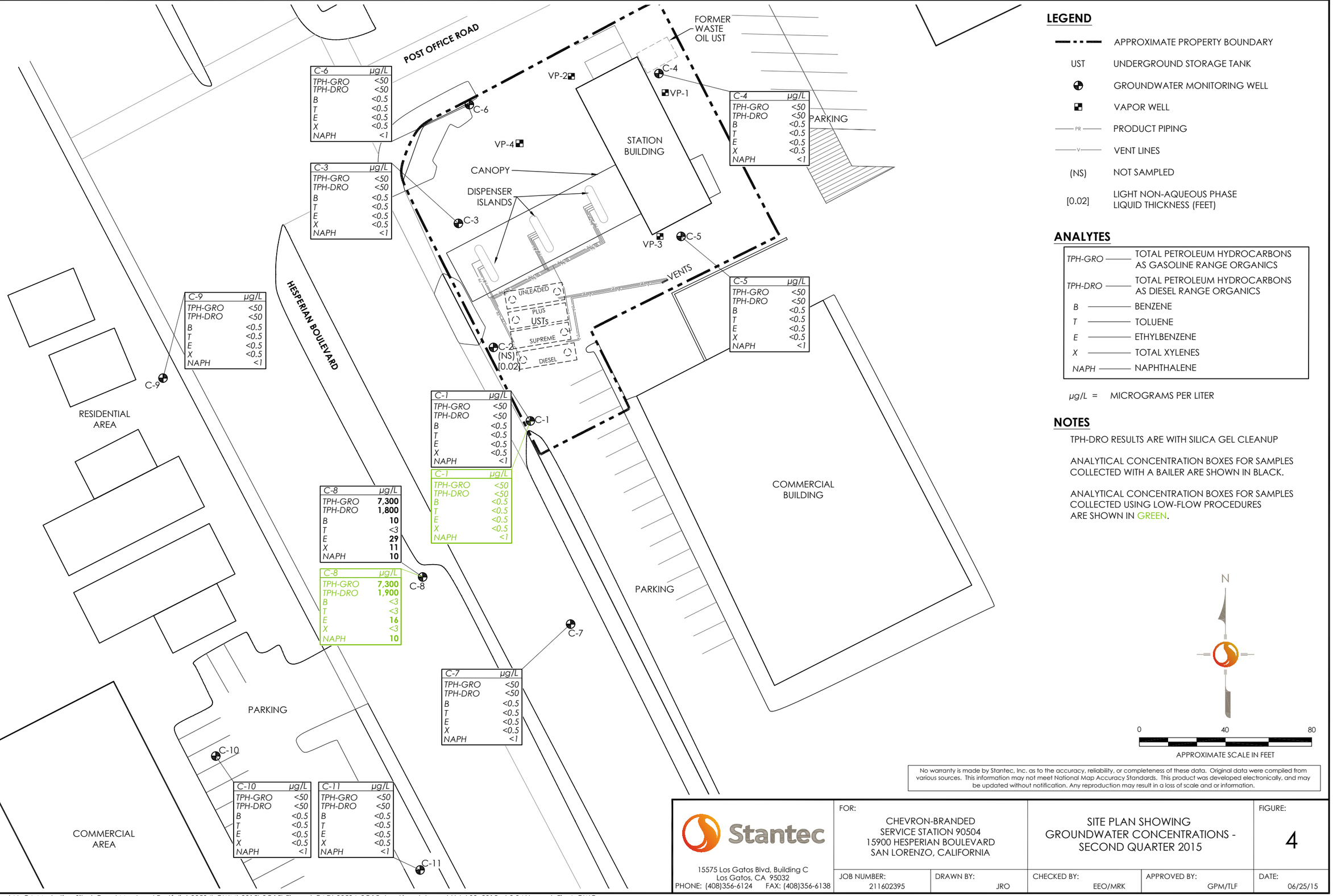


LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- VAPOR WELL
- PR — PRODUCT PIPING
- V — VENT LINES
- (NS) — NOT SAMPLED
- [0.02] — LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)

ANALYTES

- *TPH-GRO* — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- *TPH-DRO* — TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS
- *B* — BENZENE
- *T* — TOLUENE
- *E* — ETHYLBENZENE
- *X* — TOTAL XYLENES
- *NAPH* — NAPHTHALENE

µg/L = MICROGRAMS PER LITER

NOTES

TPH-DRO RESULTS ARE WITH SILICA GEL CLEANUP

ANALYTICAL CONCENTRATION BOXES FOR SAMPLES COLLECTED WITH A BAILER ARE SHOWN IN BLACK.

ANALYTICAL CONCENTRATION BOXES FOR SAMPLES COLLECTED USING LOW-FLOW PROCEDURES ARE SHOWN IN GREEN.

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032
PHONE: (408)356-6124 FAX: (408)356-6138

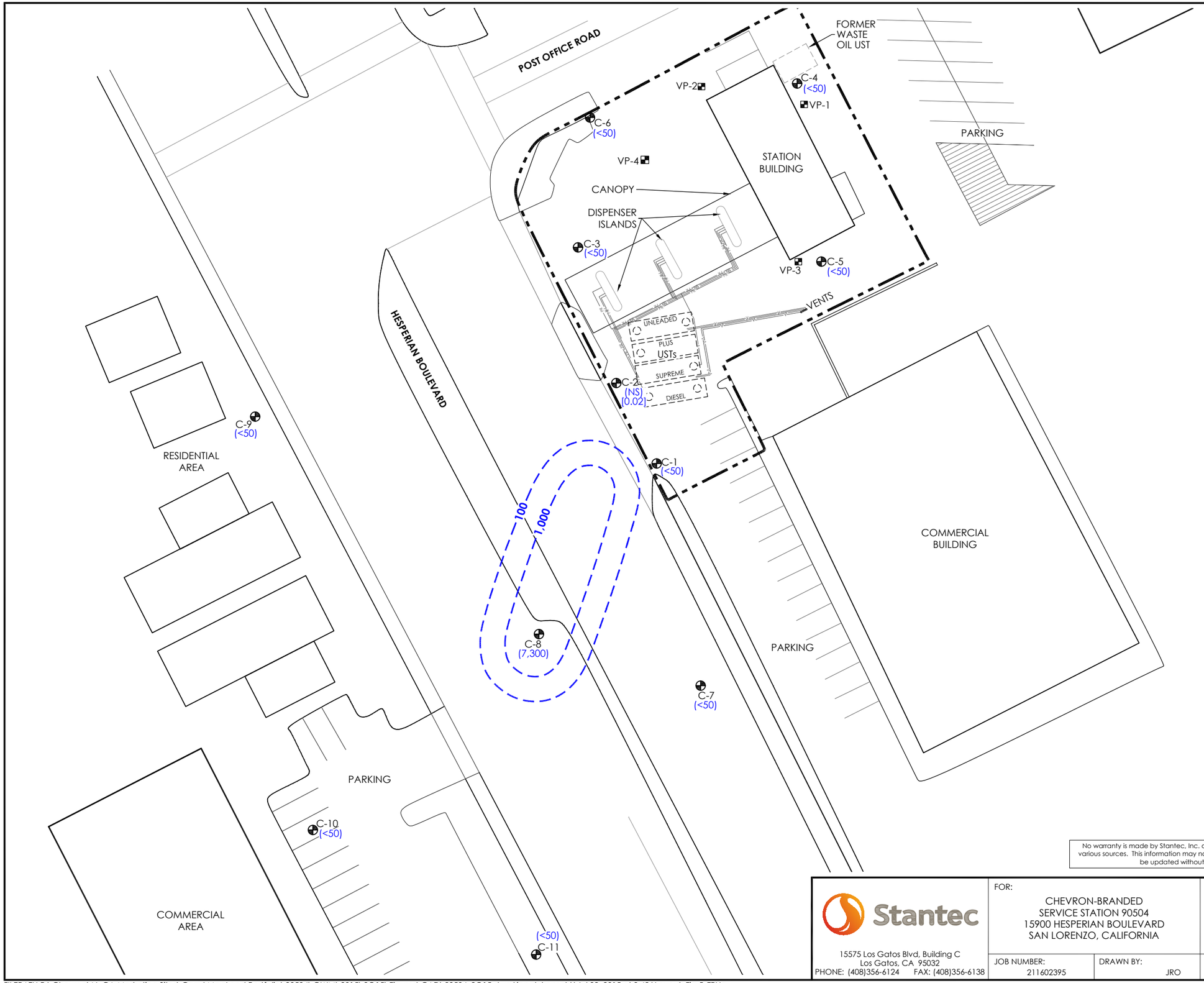
FOR: CHEVRON-BRANDED SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - SECOND QUARTER 2015

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\90504\GWM\2015\2Q15\Figures\CAD\90504_2Q15.dwg | jopalekopsahl | Jul 02, 2015 at 8:34 | Layout: Fig 4_GWC



LEGEND

▬·▬	APPROXIMATE PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK
⊕	GROUNDWATER MONITORING WELL
▪	VAPOR WELL
PR	PRODUCT PIPING
V	VENT LINES
(7,300)	TPH-GRO CONCENTRATION (µg/L)
———	TPH-GRO CONTOUR; DASHED WHERE INFERRED
(NS)	NOT SAMPLED
[0.02]	LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)
TPH-GRO	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
(µg/L)	MICROGRAMS PER LITER

NOTE

RESULTS OBTAINED USING LOW-FLOW PROCEDURES ARE USED FOR WELLS C-1 AND C-8

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032
PHONE: (408)356-6124 FAX: (408)356-6138

FOR: CHEVRON-BRANDED SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

TPH-GRO ISOCONCENTRATION MAP - SECOND QUARTER 2015

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\90504\GWM\2015\2Q15\Figures\CAD\90504_2Q15.dwg | jopalekopsahl | Jul 02, 2015 at 8:42 | Layout: Fig 5_TPHg

POST OFFICE ROAD

FORMER WASTE OIL UST

VP-2

C-4 (<50)

VP-1

C-6 (<50)

PARKING

VP-4

STATION BUILDING

CANOPY

DISPENSER ISLANDS

C-3 (<50)

VP-3

C-5 (<50)

VENTS

UNLEADED

PLUS

USTs

SUPREME

DIESEL

C-2 (NS) [0.02]

HESPERIAN BOULEVARD

C-1 (<50)

C-9 (<50)

RESIDENTIAL AREA

COMMERCIAL BUILDING

PARKING

100

1,000

C-8 (1,900)

C-7 (<50)

PARKING

C-10 (<50)

COMMERCIAL AREA

(<50) C-11

LEGEND

	APPROXIMATE PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK
	GROUNDWATER MONITORING WELL
	VAPOR WELL
PR	PRODUCT PIPING
V	VENT LINES
(1,900)	TPH-DRO CONCENTRATION (µg/L)
	TPH-DRO CONTOUR; DASHED WHERE INFERRED
(NS)	NOT SAMPLED
[0.02]	LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)
TPH-DRO	TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS
(µg/L)	MICROGRAMS PER LITER

NOTES

RESULTS ARE WITH SILICA GEL CLEANUP

RESULTS OBTAINED USING LOW-FLOW PROCEDURES ARE USED FOR WELLS C-1 AND C-8

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032
PHONE: (408)356-6124 FAX: (408)356-6138

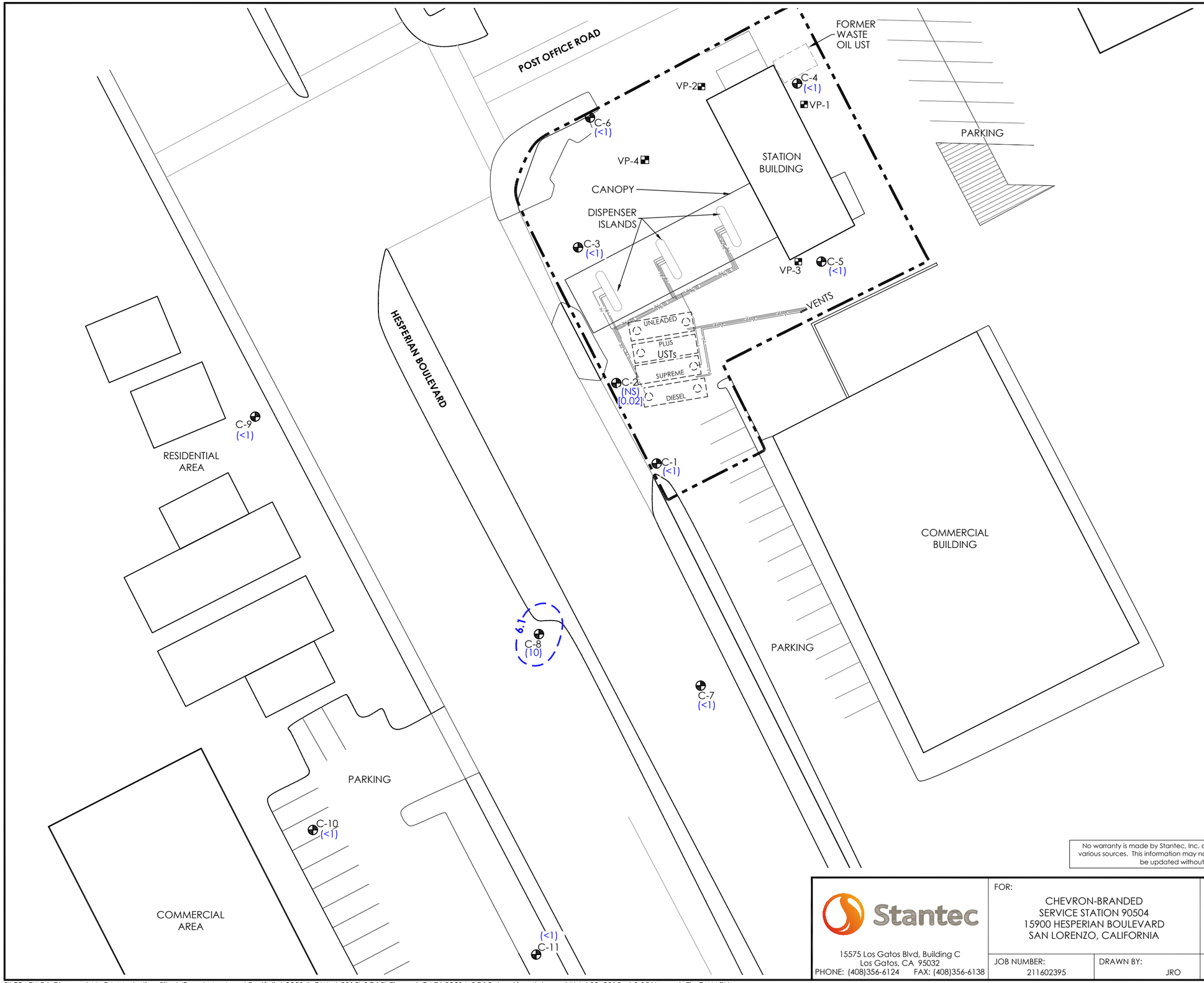
FOR:
CHEVRON-BRANDED
SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

TPH-DRO ISOCONCENTRATION MAP - SECOND QUARTER 2015

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\90504\GWM\2015\2Q15\Figures\CAD\90504_2Q15.dwg | jopalekopsahl | Jul 02, 2015 at 8:42 | Layout: Fig 6_TPHd



LEGEND

	APPROXIMATE PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK
	GROUNDWATER MONITORING WELL
	VAPOR WELL
PR	PRODUCT PIPING
V	VENT LINES
(10)	NAPHTHALENE CONCENTRATION (µg/L)
	NAPHTHALENE CONTOUR; DASHED WHERE INFERRED
(NS)	NOT SAMPLED
[0.02]	LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS (FEET)
(µg/L)	MICROGRAMS PER LITER

NOTE

RESULTS OBTAINED USING LOW-FLOW PROCEDURES ARE USED FOR WELLS C-1 AND C-8

N

0 40 80

APPROXIMATE SCALE IN FEET

Stantec
15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032
PHONE: (408)356-6124 FAX: (408)356-6138

FOR:
CHEVRON-BRANDED
SERVICE STATION 90504
15900 HESPERIAN BOULEVARD
SAN LORENZO, CALIFORNIA

NAPHTHALENE ISOCONCENTRATION MAP - SECOND QUARTER 2015

FIGURE: 7

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602395	JRO	EEO/MRK	GPM/TLF	06/25/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\90504\GWM\2015\2Q15\Figures\CAD\90504_2Q15.dwg | jopalekopsahl | Jul 02, 2015 at 9:05 | Layout: Fig 7_NAPH

ATTACHMENT A
Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Second Quarter 2015

GETTLER-RYAN INC.

TRANSMITTAL

June 11, 2015
G-R #385259

TO: Mr. Travis Flora
Stantec
15575 Los Gatos Blvd., Building C
Los Gatos, California 95032

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

RE: Chevron Service Station
#9-0504
15900 Hesperian Boulevard
San Lorenzo, California
RO 0000007

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Semi-Annual Event of June 1, 2015**

COMMENTS:

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

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

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

trans/9-0504

WELL CONDITION STATUS SHEET

Client/ Facility #: **Chevron #9-0504**
Site Address: **15900 Hesperian Blvd.**
City: **San Lorenzo, CA**

Job #: **385259**
Event Date: 6/1/15
Sampler: GM / FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=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 Y/N
C-1	OK	NA			OK					VAULT	
C-2	OK	NA			OK					↓	
C-3	OK	NA			OK					CHRISTY/12/Ø	
C-4	OK									EMCO/12/2	
C-5	OK	NA			OK					CHRISTY/12/Ø	
C-6	OK	NA			OK						
C-7	OK	NA			OK						
C-8	OK	NA			OK						
C-9	OK	NA			OK					UTILITY BOX/8/Ø	
C-10	OK									EMCO/12/2	
C-11	OK	NA			OK					CHRISTY/12/Ø	

Comments

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - *"Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures."*

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. 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. 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. 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.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6/1/15 (inclusive)
City: San Lorenzo, CA Sampler: GM

Well ID C-1 Date Monitored: 6/1/15
Well Diameter 2 (3) in.
Total Depth 18.59 ft.
Depth to Water 10.22 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Peristaltic Pump 0
QED Bladder Pump

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump 0
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1217 Weather Conditions: SUNNY
Sample Time/Date: 1255 / 6/1/15 Water Color: CLEAR Odor: (Y) N SLIGHT
Approx. Flow Rate: .200 lpm. Sediment Description: SC SLT
Did well de-water? NO If yes, Time: — Volume: — ltr. DTW @ Sampling: 10.39

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	TURBIDITY ~~ORP~~ (~~mV~~ NTU)	Gauge DTW as parameters are recorded
1235	3.6	7.30	707	21.1		PRE: 516.1	10.38
1238	4.2	7.30	707	21.0			10.38
1241	4.8	7.31	708	21.1		POST: 109	10.39

LABORATORY INFORMATION

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

COMMENTS: DEPTH PUMP SET AT: ≈ 15.00

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 | Job Number: 385259
Site Address: 15900 Hesperian Blvd. | Event Date: 6/1/15 (inclusive)
City: San Lorenzo, CA | Sampler: GM

Well ID: C-1 | Date Monitored: 6/1/15
Well Diameter: 2 in.
Total Depth: 18.59 ft.
Depth to Water: 10.22 ft. ☐ Check if water column is less then 0.50 ft.

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

8.37 xVF 0.38 = 3.18 x3 case volume = Estimated Purge Volume: 10 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.89

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1305 | Weather Conditions: Sunny
Sample Time/Date: 1340/6/1/15 | Water Color: Cloudy | Odor: (Y) N SLIGHT
Approx. Flow Rate: ~ gpm. | Sediment Description: SILT
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 11.04

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1310	3	7.29	697	20.4		
1316	6.5	7.25	705	20.1		
1323	10	7.22	709	19.6		

LABORATORY INFORMATION

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

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: **Chevron #9-0504** Job Number: **385259**
Site Address: **15900 Hesperian Blvd.** Event Date: 6/1/15 (inclusive)
City: **San Lorenzo, CA** Sampler: GM

Well ID C-2 Date Monitored: 6/1/15
Well Diameter 2/3 in.
Total Depth 19.12 ft.
Depth to Water 10.36 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

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

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: 10.34 ft
Depth to Water: 10.36 ft
Hydrocarbon Thickness: 0.02 ft
Visual Confirmation/Description: DT BROWN OILY
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr

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

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

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

COMMENTS: DEPTH PUMP SET AT: NA SPH PRESENT

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 | Job Number: 385259
Site Address: 15900 Hesperian Blvd. | Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA | Sampler: FT

Well ID: C-3 | Date Monitored: 6.1.15
Well Diameter: 2 / (3) in.
Total Depth: 19.40 ft.
Depth to Water: 12.44 ft. ☐ Check if water column is less then 0.50 ft.

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

6.96 xVF .38 = 2.64 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.83

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 1350 | Weather Conditions: Cloudy / Sunny
Sample Time/Date: 1420 / 6.1.15 | Water Color: Lt. Brn. Odor: Y / (N)
Approx. Flow Rate: ~ gpm. | Sediment Description: S. Silty
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 13.18

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1355	2.5	7.56	721	21.3		
1400	5.0	7.53	717	20.9		
1406	8.0	7.51	711	20.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-3	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: Chivisty Box

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 | Job Number: 385259
Site Address: 15900 Hesperian Blvd. | Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA | Sampler: FT

Well ID: C-4 | Date Monitored: 6.1.15
Well Diameter: 2 / (3) in.
Total Depth: 19.90 ft.
Depth to Water: 12.23 ft. ☐ Check if water column is less then 0.50 ft.

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

7.67 xVF .38 = 2.91 x3 case volume = Estimated Purge Volume: 9.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.76

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 1220 | Weather Conditions: CLOUDY / SUNNY
Sample Time/Date: 1252 / 6.1.15 | Water Color: LT. BRN. | Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. | Sediment Description: S. SILTY
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 13.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1227	3.0	7.36	685	21.9		
1234	6.0	7.33	679	21.6		
1241	9.0	7.31	672	21.2	✓	✓

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: EMCO 12"12

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA Sampler: FT

Well ID C-5
Well Diameter 2 (3) in.
Total Depth 19.89 ft.
Depth to Water 11.61 ft.
Date Monitored: 6.1.15

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

☐ Check if water column is less then 0.50 ft.

8.28 xVF .38 = 3.14 x3 case volume = Estimated Purge Volume: 9.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.93

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 1130 Weather Conditions: SUNNY / CLOUDY
Sample Time/Date: 1205 / 6.1.15 Water Color: L. BRN. Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.91

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1137	3.0	7.71	731	21.1		
1144	6.0	7.68	726	20.8		
1151	9.0	7.64	719	20.2	✓	✓

LABORATORY INFORMATION

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

COMMENTS: CHMSTY BOY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA Sampler: FT

Well ID C-6 Date Monitored: 6.1.15
Well Diameter (2) 3 in.
Total Depth 24.50 ft.
Depth to Water 13.56 ft.

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

☐ Check if water column is less then 0.50 ft.

10.94 xVF .17 = 1.85 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.74

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 1310 Weather Conditions: CLOUDY / SUNNY
Sample Time/Date: 1335 / 6.1.15 Water Color: LT. BRN. Odor: Y / (N)
Approx. Flow Rate: ~ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 14.51

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1314	2.0	7.45	712	21.8		
1318	4.0	7.43	707	21.4		
1322	6.0	7.40	701	21.0		

LABORATORY INFORMATION

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

COMMENTS: CHUISTY BOX

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6/1/15 (inclusive)
City: San Lorenzo, CA Sampler: GM

Well ID C-7 Date Monitored: 6/1/15
Well Diameter (2) 3 in.
Total Depth 24.85 ft.
Depth to Water 9.72 ft.

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

☐ Check if water column is less then 0.50 ft.

15.13 xVF 0.17 = 2.57 x3 case volume = Estimated Purge Volume: 8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.74

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

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

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

Start Time (purge): 0715 Weather Conditions: Cloudy
Sample Time/Date: 0800 / 6/1/15 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: Silt
Did well de-water? No If yes, Time: — Volume: — ltr. DTW @ Sampling: 10.24

Time (2400 hr.)	Volume ~~Liters~~ gal.	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0720	3	7.05	769	20.9			
0726	5.5	6.96	775	20.5			
0732	8	6.94	781	19.9			

LABORATORY INFORMATION

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

COMMENTS: ~~DEPTH PUMP SET AT:~~

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
LOW FLOW FIELD DATA SHEET

Client/Facility#: **Chevron #9-0504** Job Number: **385259**
Site Address: **15900 Hesperian Blvd.** Event Date: 6/1/15 (inclusive)
City: **San Lorenzo, CA** Sampler: GM

Well ID C-8 Date Monitored: 6/1/15
Well Diameter (2)3 in.
Total Depth 24.81 ft.
Depth to Water 10.91 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump	X	Peristaltic Pump	X
QED Bladder Pump		QED Bladder Pump	
		Other:	

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr

Start Time (purge): 0925 Weather Conditions: SUNNY
Sample Time/Date: 1000 / 6/1/15 Water Color: CLEAR Odor: (Y) N SLIGHT
Approx. Flow Rate: .200 lpm. Sediment Description: NO
Did well de-water? NO If yes, Time: — Volume: — ltr. DTW @ Sampling: 11.01

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	TURBIDITY ORP (mV NTU)	Gauge DTW as parameters are recorded
0943	3.6	7.06	741	21.0		PRE: 112	11.01
0946	4.2	7.06	741	21.0			11.01
0949	4.8	7.06	740	20.9		POST: 173	11.01

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	6x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: DEPTH PUMP SET AT: ≈ 18.00

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6/1/15 (inclusive)
City: San Lorenzo, CA Sampler: GM

Well ID C-8
Well Diameter 2 3 in.
Total Depth 24.81 ft.
Depth to Water 10.91 ft.
Date Monitored: 6/1/15

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

☐ Check if water column is less then 0.50 ft.

13.90 xVF 0.17 = 2.36 x3 case volume = Estimated Purge Volume: 7.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.69

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

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1010 Weather Conditions: Sunny
Sample Time/Date: 1050 / 6/1/15 Water Color: CLEAR Odor: (Y) N SLIGHT
Approx. Flow Rate: ~ gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: ~ Volume: ~ gal. DTW @ Sampling: 12.24

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1015	2.5	7.09	735	21.4		
1020	5	7.04	740	20.9		
1025	7.5	7.01	742	20.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA Sampler: FT

Well ID C-9 Date Monitored: 6.1.15
Well Diameter 2 3 in.
Total Depth 24.70 ft.
Depth to Water 10.90 ft.

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

☐ Check if water column is less then 0.50 ft.

13.80 xVF .17 = 2.34 x3 case volume = Estimated Purge Volume: 7.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.66

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 0930 Weather Conditions: Cloudy
Sample Time/Date: 0955 / 6.1.15 Water Color: LT. BRN. Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0935	2.5	7.63	691	21.7		
0940	5.0	7.59	686	21.3		
0945	7.0	7.56	681	21.0	✓	✓

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C- 9	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: 8" UTILITY BOX

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6/1/15 (inclusive)
City: San Lorenzo, CA Sampler: GM

Well ID C-10 Date Monitored: 6/1/15
Well Diameter 3 in.
Total Depth 24.70 ft.
Depth to Water 9.14 ft.

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

☐ Check if water column is less then 0.50 ft.

15.56 xVF 0.17 = 2.64 x3 case volume = Estimated Purge Volume: 8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.25

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0555 Weather Conditions: CLOUDY
Sample Time/Date: 0640 / 6/1/15 Water Color: CLOUDY Odor: (Y) N SLIGHT
Approx. Flow Rate: — gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.90

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
0600	3	6.98	659	19.9		
0606	5.5	6.95	640	19.5		
0614	8	7.00	642	19.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-10	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-0504 Job Number: 385259
Site Address: 15900 Hesperian Blvd. Event Date: 6.1.15 (inclusive)
City: San Lorenzo, CA Sampler: FT

Well ID C-11
Well Diameter 2/3 in.
Total Depth 24.73 ft.
Depth to Water 9.00 ft.
Date Monitored: 6.1.15

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

☐ Check if water column is less then 0.50 ft.

15.73 xVF .17 = 2.67 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.14

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Peristaltic Pump		Peristaltic Pump	
QED Bladder Pump		QED Bladder Pump	
Other:		Other:	

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

Start Time (purge): 1015 Weather Conditions: CLOUDY / SUNNY
Sample Time/Date: 1105 / 6.1.15 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 10.61

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1020	2.5	7.54	642	20.5		
1025	5.0	7.51	637	20.2		
1031	8.0	7.48	631	20.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
C-11	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/NAPHTHALENE(8260)
	2 x 500ml ambers	YES	NP	LANCASTER	TPH-DRO w/sgc COLUMN

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

5⌀⌀
⌀6⌀215-⌀3

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

SCR #: ________

(1) Client Information

Facility # SS#9-0504-OML G-R#385259 Global ID#T0600100302

Site Address 15900 HESPERIAN BLVD., SAN LORENZO, CA

Chevron PM CM STANTECTF Lead Consultant Flora

Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com

Consultant Phone # (925) 551-7444 x180

Sampler G. MEDINA / F. TERRINNONI

(4) Matrix: Sediment ☐, Ground ☒, Surface ☐, Soil ☐, Potable ☐, NPDES ☐, Air ☐, Oil ☐; Water

(5) Analyses Requested: BTEX 8021 ☐ / 8260 ☒; TPH-GRO 8015 ☒ / 8260 ☐; TPH-DRO 8015 without Silica Gel Cleanup ☐; TPH-DRO 8015 with Silica Gel Cleanup ☒ (COLUMN); 8260 Full Scan; Oxygenates; Total Lead Method; Dissolved Lead Method; NAPHTHALENE (8260)

(2) Sample Identification	Soil Depth	Collected Date	Collected Time	(3) Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	TPH-GRO	TPH-DRO without SGC	TPH-DRO with SGC	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	NAPHTHALENE (8260)
QA		6/1/15	—	X			W		2	X	X							
C-1		↓	1340	↓			↓		8	↓	↓		X					X
C 3		↓	1420	↓			↓		↓	↓	↓		↓					↓
C-4		↓	1252	↓			↓		↓	↓	↓		↓					↓
C-5		↓	1205	↓			↓		↓	↓	↓		↓					↓
C-6		↓	1335	↓			↓		↓	↓	↓		↓					↓
C 7		↓	0800	↓			↓		↓	↓	↓		↓					↓
C-8		↓	1050	↓			↓		↓	↓	↓		↓					↓
C-9		↓	0955	↓			↓		↓	↓	↓		↓					↓
C-10		↓	0640	↓			↓		↓	↓	↓		↓					↓
C-11		↓	1105	↓			↓		↓	↓	↓		↓					↓

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

(6) Remarks

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

(Standard) 5 day 4 day
72 hour 48 hour 24 hour EDF/EDD

(8) Data Package (circle if required)
Type I - Full
Type VI (Raw Data)

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

(9)

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6/1/15	1500	[signature]	6.1.15	1500
GETTLER-FRIDGE	6.1.15	1600	[signature]	02 MAY 15	1236
Relinquished by ~~Commercial Carrier:~~ ~~UPS~~ ____ ~~FedEx~~ ____ ~~Other~~ ____			Received by	Date	Time

Temperature Upon Receipt ________ °C

Custody Seals Intact? Yes No

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

506

060215-04

For Eurofins Lancaster Laboratories use only

Acct. # ______ Group # ______ Sample # ______

Instructions on reverse side correspond with circled numbers.

SCR #: 2 of 2

1 Client Information

Facility #: SS#9-0504-OML G-R#385259 Global ID#T0600100302

Site Address: 15960 HESPERIAN BLVD., SAN LORENZO, CA

Chevron PM: CM STANTECTF Lead Consultant: Flora

Consultant/Office: Gettler-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr.: Deanna L. Harding, deanna@grinc.com

Consultant Phone #: (925) 551-7444 x180

Sampler: G. Medina

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

5 Analyses Requested: BTEX + MTBE 8260 ☒ 8021 ☐; TPH-GRO 8260 ☐ 8015 ☒; TPH-DRO 8015 without Silica Gel Cleanup ☐; TPH-DRO 8015 with Silica Gel Cleanup ☒ (Column); 8260 Full Scan; Oxygenates; Total Lead Method; Dissolved Lead Method; NAPHTHALENE (8260)

Sample Identification	Soil Depth	Date	Time	Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX + MTBE	TPH-GRO	TPH-DRO without Silica Gel Cleanup	TPH-DRO with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	NAPHTHALENE (8260)
QA		6/1/15	—	X			W		2	X	X							
C-1		↓	1255	↓			↓		8	↓	↓		X					X
C-8		↓	1000	↓			↓		↓	↓	↓		↓					↓

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

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day

72 hour 48 hour 24 hour EDF/EDD

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)

Other: ______

9

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6/1/15	1500	[signature]	6.1.15	1500
GETTLER-RYDGE	6.1.15	1600	A. [signature]	02JUN15	1230
Relinquished by ~~Commercial Carrier~~: ~~UPS~~ ____ ~~FedEx~~ ____ ~~Other~~ ____			Received by	Date	Time

Temperature Upon Receipt ______ °C

Custody Seals Intact? Yes No

Eurofins Lancaster Laboratories, Inc. • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories. The yellow copy should be retained by the client.

Issued by Dept. 40 Management

7050.03

ATTACHMENT B
Certified Laboratory Analysis Reports and Chain-of-Custody Documents

eurofins | Lancaster Laboratories Environmental

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

June 15, 2015

Project: 90504

Submittal Date: 06/03/2015
Group Number: 1565971
PO Number: 0015167993
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150601 NA Water	7912715
C-1-W-150601 Grab Groundwater	7912716
C-3-W-150601 Grab Groundwater	7912717
C-4-W-150601 Grab Groundwater	7912718
C-5-W-150601 Grab Groundwater	7912719
C-6-W-150601 Grab Groundwater	7912720
C-7-W-150601 Grab Groundwater	7912721
C-8-W-150601 Grab Groundwater	7912722
C-9-W-150601 Grab Groundwater	7912723
C-10-W-150601 Grab Groundwater	7912724
C-11-W-150601 Grab Groundwater	7912725

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Stantec	Attn: Erin O'Malley
ELECTRONIC COPY TO	Stantec	Attn: Marisa Kaffenberger
ELECTRONIC COPY TO	Stantec International	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman
ELECTRONIC	Gettler-Ryan Inc.	Attn: Gettler Ryan

COPY TO

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150601 NA Water
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912715
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

0504Q

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	D151591AA	06/08/2015 12:44	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151591AA	06/08/2015 12:44	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 13:32	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 13:32	Brett W Kenyon	1

Sample Description: C-1-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912716
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 13:40 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05041

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 17:07	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 17:07	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 16:41	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 16:41	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 17:46	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-3-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912717
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 14:20 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05043

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 17:31	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 17:31	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 17:08	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 17:08	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 18:08	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-4-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912718
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 12:52 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05044

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 17:55	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 17:55	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 18:02	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 18:02	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 18:30	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-5-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912719
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 12:05 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05045

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 18:19	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 18:19	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 18:29	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 18:29	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 18:51	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-6-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912720
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 13:35 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05046

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 18:43	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 18:43	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 18:56	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 18:56	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 19:13	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-7-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912721
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 08:00 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05047

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1

The reverse surrogate, capric acid, is present at <1%.

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 19:07	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 19:07	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 19:23	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 19:23	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 19:35	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-8-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912722
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 10:50 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05048

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	10	3	5
10945	Ethylbenzene	100-41-4	29	3	5
10945	Naphthalene	91-20-3	10	5	5
10945	Toluene	108-88-3	N.D.	3	5
10945	Xylene (Total)	1330-20-7	11	3	5
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	7,300	500	10
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,800	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	Z151591AA	06/08/2015 19:31	Anita M Dale	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z151591AA	06/08/2015 19:31	Anita M Dale	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 21:39	Brett W Kenyon	10
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 21:39	Brett W Kenyon	10
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 19:57	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-9-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912723
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 09:55 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

05049

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	D151602AA	06/09/2015 16:10	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151602AA	06/09/2015 16:10	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 19:51	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 19:51	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 20:19	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-10-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912724
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 06:40 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

50410

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	D151602AA	06/09/2015 16:32	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151602AA	06/09/2015 16:32	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 20:18	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 20:18	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 20:40	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-11-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912725
LL Group # 1565971
Account # 10906

Project Name: 90504

Collected: 06/01/2015 11:05 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

50411

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	D151602AA	06/09/2015 16:55	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151602AA	06/09/2015 16:55	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 20:45	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 20:45	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 21:02	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Quality Control Summary

Client Name: Chevron Group Number: 1565971
Reported: 06/15/2015 09:41

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D151591AA	Sample number(s): 7912715							
Benzene	N.D.	0.5	ug/l	104	108	78-120	3	30
Ethylbenzene	N.D.	0.5	ug/l	101	104	80-120	3	30
Toluene	N.D.	0.5	ug/l	106	108	80-120	2	30
Xylene (Total)	N.D.	0.5	ug/l	105	106	80-120	2	30
Batch number: D151602AA	Sample number(s): 7912723-7912725							
Benzene	N.D.	0.5	ug/l	100		78-120		
Ethylbenzene	N.D.	0.5	ug/l	95		80-120		
Naphthalene	N.D.	1.	ug/l	85		59-120		
Toluene	N.D.	0.5	ug/l	100		80-120		
Xylene (Total)	N.D.	0.5	ug/l	98		80-120		
Batch number: Z151591AA	Sample number(s): 7912716-7912722							
Benzene	N.D.	0.5	ug/l	92		78-120		
Ethylbenzene	N.D.	0.5	ug/l	97		80-120		
Naphthalene	N.D.	1.	ug/l	86		59-120		
Toluene	N.D.	0.5	ug/l	99		80-120		
Xylene (Total)	N.D.	0.5	ug/l	100		80-120		
Batch number: 15156A20A	Sample number(s): 7912715-7912725							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	83	84	80-139	2	30
Batch number: 151550004A	Sample number(s): 7912716-7912725							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50.	ug/l	66	70	40-105	7	20

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D151602AA	Sample number(s): 7912723-7912725 UNSPK: P913516								
Benzene	108	112	72-134	3	30				
Ethylbenzene	102	106	71-134	4	30				
Naphthalene	85	89	52-125	5	30				
Toluene	106	111	80-125	4	30				
Xylene (Total)	104	108	79-125	4	30				
Batch number: Z151591AA	Sample number(s): 7912716-7912722 UNSPK: P912392								

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

Quality Control Summary

Client Name: Chevron Group Number: 1565971
Reported: 06/15/2015 09:41

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	94	92	72-134	2	30				
Ethylbenzene	99	98	71-134	1	30				
Naphthalene	80	84	52-125	5	30				
Toluene	98	98	80-125	0	30				
Xylene (Total)	108	99	79-125	9	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX 8260B Water
Batch number: D151591AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7912715	97	102	99	95
Blank	96	97	99	94
LCS	95	101	99	97
LCSD	95	101	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/Naphthalene - Water
Batch number: D151602AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7912723	100	98	99	94
7912724	99	98	98	96
7912725	98	100	98	94
Blank	96	98	99	94
LCS	96	99	100	99
MS	96	99	98	99
MSD	96	100	99	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX/Naphthalene - Water
Batch number: Z151591AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7912716	105	99	101	98
7912717	105	100	102	97
7912718	106	100	102	98
7912719	104	99	101	97
7912720	105	100	100	98
7912721	105	98	101	95
7912722	101	97	102	102
Blank	103	99	101	99
LCS	103	99	101	105
MS	104	103	101	111
MSD	103	99	101	105
Limits:	80-116	77-113	80-113	78-113

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

Quality Control Summary

Client Name: Chevron Group Number: 1565971
Reported: 06/15/2015 09:41

Surrogate Quality Control

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15156A20A

	Trifluorotoluene-F
7912715	92
7912716	93
7912717	93
7912718	90
7912719	94
7912720	94
7912721	93
7912722	128
7912723	94
7912724	94
7912725	91
Blank	94
LCS	98
LCSD	100
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 151550004A

	Orthoterphenyl
7912716	71
7912717	70
7912718	65
7912719	70
7912720	65
7912721	70
7912722	65
7912723	70
7912724	67
7912725	65
Blank	73
LCS	77
LCSD	76
Limits:	42-126

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 10906 | For Eurofins Lancaster Laboratories use only: Group # 1565971 Sample # 7912715-25

Instructions on reverse side correspond with circled numbers.

SCR #: 1052

(1) Client Information

Facility # SS#9-0504-OML G-R#385259 Global ID#T0600100302 WBS

Site Address 15900 HESPERIAN BLVD., SAN LORENZO, CA

Chevron PM CM STANTECTF Lead Consultant Flora

Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com

Consultant Phone # (925) 551-7444 x180

Sampler G. MEDINA / F. TERRINONI

(4) Matrix

Soil ☐ | Sediment ☐ | Water ☒ Ground | Potable ☐ NPDES ☐ Surface | Oil ☐ Air ☐

(3) Grab / Composite

(2) Sample Identification | Soil Depth | Collected Date / Time

(5) Analyses Requested

Total Number of Containers | BTEX 8260 ☒ 8021 ☐ | TPH-GRO 8260 ☐ 8015 ☒ | TPH-DRO 8015 without Silica Gel Cleanup ☐ | TPH-DRO 8015 with Silica Gel Cleanup ☒ CRUMP | 8260 Full Scan | Oxygenates ____ | Total Lead Method ____ | Dissolved Lead Method ____ | NAPHTHALENE (8260)

Sample Identification	Soil Depth	Date	Time	Grab	Composite	Containers	BTEX	TPH-GRO	TPH-DRO w/o Silica Gel	TPH-DRO w/ Silica Gel	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	NAPHTHALENE
QA		6/1/15	~	X		2	X	X							
C-1			1340			8				X					X
C-3			1420												
C-4			1252												
C-5			1205												
C-6			1335												
C-7			0800												
C-8			1050												
C-9			0955												
C-10			0640												
C-11		↓	1105	↓		↓	↓	↓		↓					↓

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

(6) Remarks

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

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

Relinquished by	Date	Time	Received by	Date	Time
	6/1/15	1500		6.1.15	1500
GETTLER-RYAN	6.1.15	1600		02JUN15	1234
Relinquished by Commercial Carrier: UPS ____ FedEx ____ Other ____	02JUN15	1638	Received by FX	Date	Time

(8) Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)

Other: _____

Temperature Upon Receipt 03-3.5 °C

Custody Seals Intact? Yes / No

(9)

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

June 15, 2015

Project: 90504

Submittal Date: 06/03/2015
Group Number: 1565972
PO Number: 0015167993
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150601 NA Water	7912726
C-1-W-150601 Grab Groundwater	7912727
C-8-W-150601 Grab Groundwater	7912728

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Stantec International	Attn: Travis Flora
ELECTRONIC COPY TO	Stantec	Attn: Laura Viesselman
ELECTRONIC COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150601 NA Water
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912726
LL Group # 1565972
Account # 10906

Project Name: 90504

Collected: 06/01/2015

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LOREQ

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX 8260B Water	SW-846 8260B	1	D151611AA	06/10/2015 10:56	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151611AA	06/10/2015 10:56	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 13:59	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 13:59	Brett W Kenyon	1

Sample Description: C-1-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912727
LL Group # 1565972
Account # 10906

Project Name: 90504

Collected: 06/01/2015 12:55 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LORE1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Naphthalene	91-20-3	N.D.	1	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	D151611AA	06/10/2015 16:18	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151611AA	06/10/2015 16:18	Amanda K Richards	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 21:12	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 21:12	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 21:24	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Sample Description: C-8-W-150601 Grab Groundwater
Facility# 90504 Job# 385259 GRD
15900 Hesperian-San Lorenz T0600100302

LL Sample # WW 7912728
LL Group # 1565972
Account # 10906

Project Name: 90504

Collected: 06/01/2015 10:00 by GM

Submitted: 06/03/2015 09:30
Reported: 06/15/2015 09:41

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

LORE8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	3	5
10945	Ethylbenzene	100-41-4	16	3	5
10945	Naphthalene	91-20-3	10	5	5
10945	Toluene	108-88-3	N.D.	3	5
10945	Xylene (Total)	1330-20-7	N.D.	3	5
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	7,300	500	10
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	1,900	50	1
	The reverse surrogate, capric acid, is present at <1%.				

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/Naphthalene - Water	SW-846 8260B	1	D151611AA	06/10/2015 16:41	Amanda K Richards	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D151611AA	06/10/2015 16:41	Amanda K Richards	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15156A20A	06/05/2015 22:06	Brett W Kenyon	10
01146	GC VOA Water Prep	SW-846 5030B	1	15156A20A	06/05/2015 22:06	Brett W Kenyon	10
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	151550004A	06/09/2015 21:46	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	151550004A	06/04/2015 10:40	Denise L Trimby	1

Quality Control Summary

Client Name: Chevron Group Number: 1565972
Reported: 06/15/2015 09:41

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D151611AA	Sample number(s): 7912726-7912728							
Benzene	N.D.	0.5	ug/l	107	98	78-120	8	30
Ethylbenzene	N.D.	0.5	ug/l	104	93	80-120	11	30
Naphthalene	N.D.	1.	ug/l	96	84	59-120	13	30
Toluene	N.D.	0.5	ug/l	108	97	80-120	11	30
Xylene (Total)	N.D.	0.5	ug/l	107	95	80-120	12	30
Batch number: 15156A20A	Sample number(s): 7912726-7912728							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	83	84	80-139	2	30
Batch number: 151550004A	Sample number(s): 7912727-7912728							
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50.	ug/l	66	70	40-105	7	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: BTEX/Naphthalene - Water
Batch number: D151611AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7912726	99	100	97	95
7912727	97	101	97	93
7912728	95	99	99	98
Blank	97	99	99	95
LCS	95	104	98	98
LCSD	97	101	97	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15156A20A

	Trifluorotoluene-F
7912726	94
7912727	93
7912728	124
Blank	94
LCS	98
LCSD	100

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

Quality Control Summary

Client Name: Chevron
Group Number: 1565972
Reported: 06/15/2015 09:41

Surrogate Quality Control

Limits: 63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 151550004A

	Orthoterphenyl
7912727	72
7912728	70
Blank	73
LCS	77
LCSD	76
Limits:	42-126

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Acct. # 10906 For Eurofins Lancaster Laboratories use only Group # 1565972 Sample # 791272 6-28

Instructions on reverse side correspond with circled numbers.

SCR #: 2052

1 Client Information

Facility # SS#9-0504-OML G-R#385259 Global ID#T0600100302 WBS

Site Address 15900 HESPERIAN BLVD., SAN LORENZO, CA

Chevron PM CM STANTECTF Lead Consultant Flora

Consultant/Office Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568

Consultant Project Mgr. Deanna L. Harding, deanna@grinc.com

Consultant Phone # (925) 551-7444 x180

Sampler G. MEDINA

4 Matrix

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

3 Grab / Composite

5 Analyses Requested

Total Number of Containers

BTEX + 8260 ☒ / 8021 ☐

TPH-GRO 8260 ☐ / 8015 ☒

TPH-DRO 8015 without Silica Gel Cleanup ☐

TPH-DRO 8015 with Silica Gel Cleanup ☒ (Column)

8260 Full Scan

Oxygenates ____

Total Lead Method ____

Dissolved Lead Method ____

NAPHTHALENE (8260)

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

2 Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Soil	Water	Oil	Total Containers	BTEX + 8260	TPH-GRO 8260	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	NAPHTHALENE (8260)
QA		6/1/15	—	X			W		2	X	X							
C-1		↓	1255	↓			↓		8	↓	↓		X					X
C-8		↓	1000	↓			↓		8	↓	↓		↓					↓

6 Remarks

7 Turnaround Time Requested (TAT) (please circle)

Standard 5 day 4 day

72 hour 48 hour 24 hour EDF/EDD

8 Data Package (circle if required)

Type I - Full

Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default)

Other: _____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6/1/15	1500	[signature]	6.1.15	1500 (1500)
GETTLER-RYDGE	6.1.15	1600	[signature]	02JUN15	1234
Relinquished by ~~Commercial Carrier:~~ [signature] 02JUN15			Received by	Date	Time
~~UPS~~ ____ ~~FedEx~~ ____ ~~Other~~ 1635			FX		

Temperature Upon Receipt 0.3 - 3.5 °C

Custody Seals Intact? (Yes) No

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

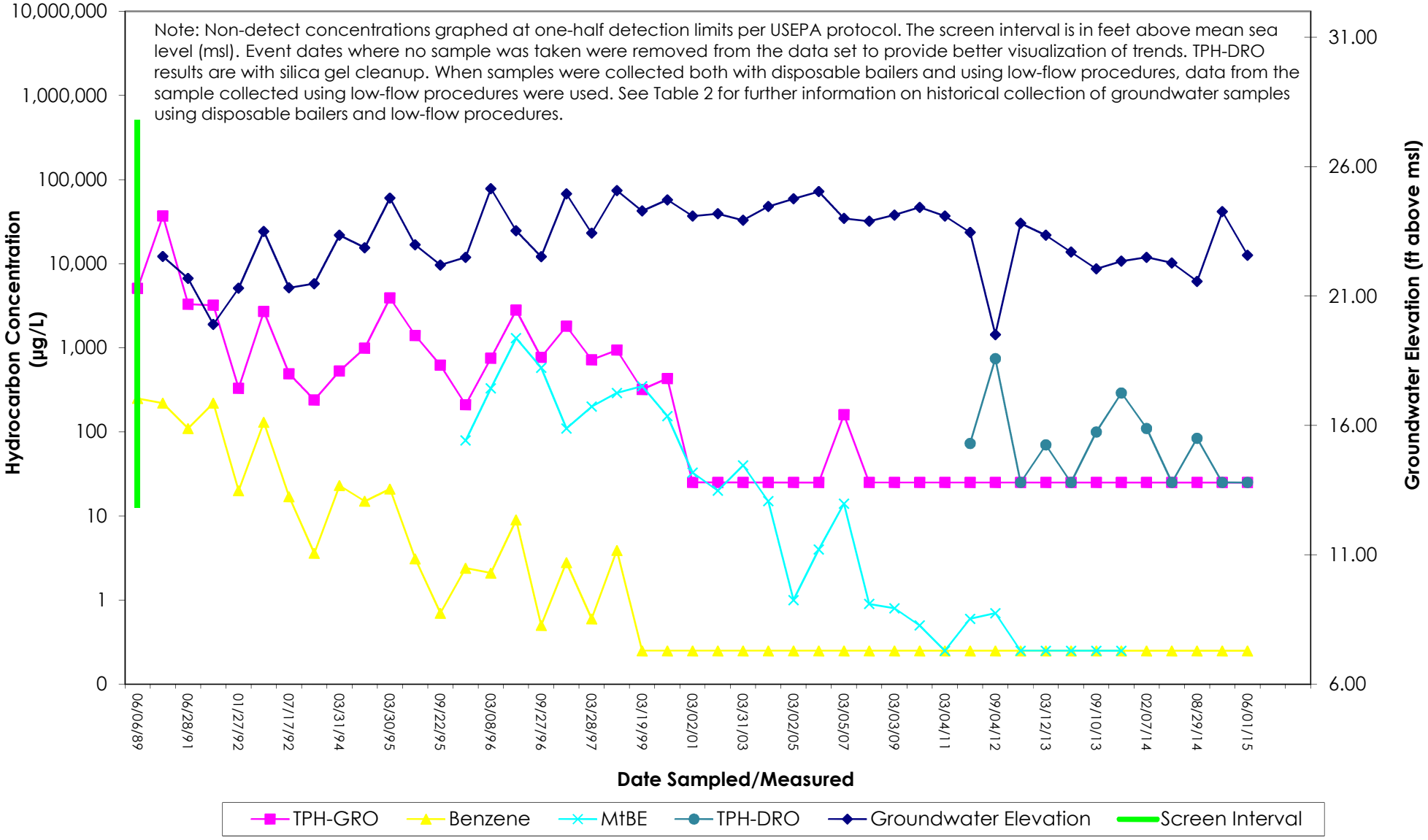
Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ATTACHMENT C
Hydrographs

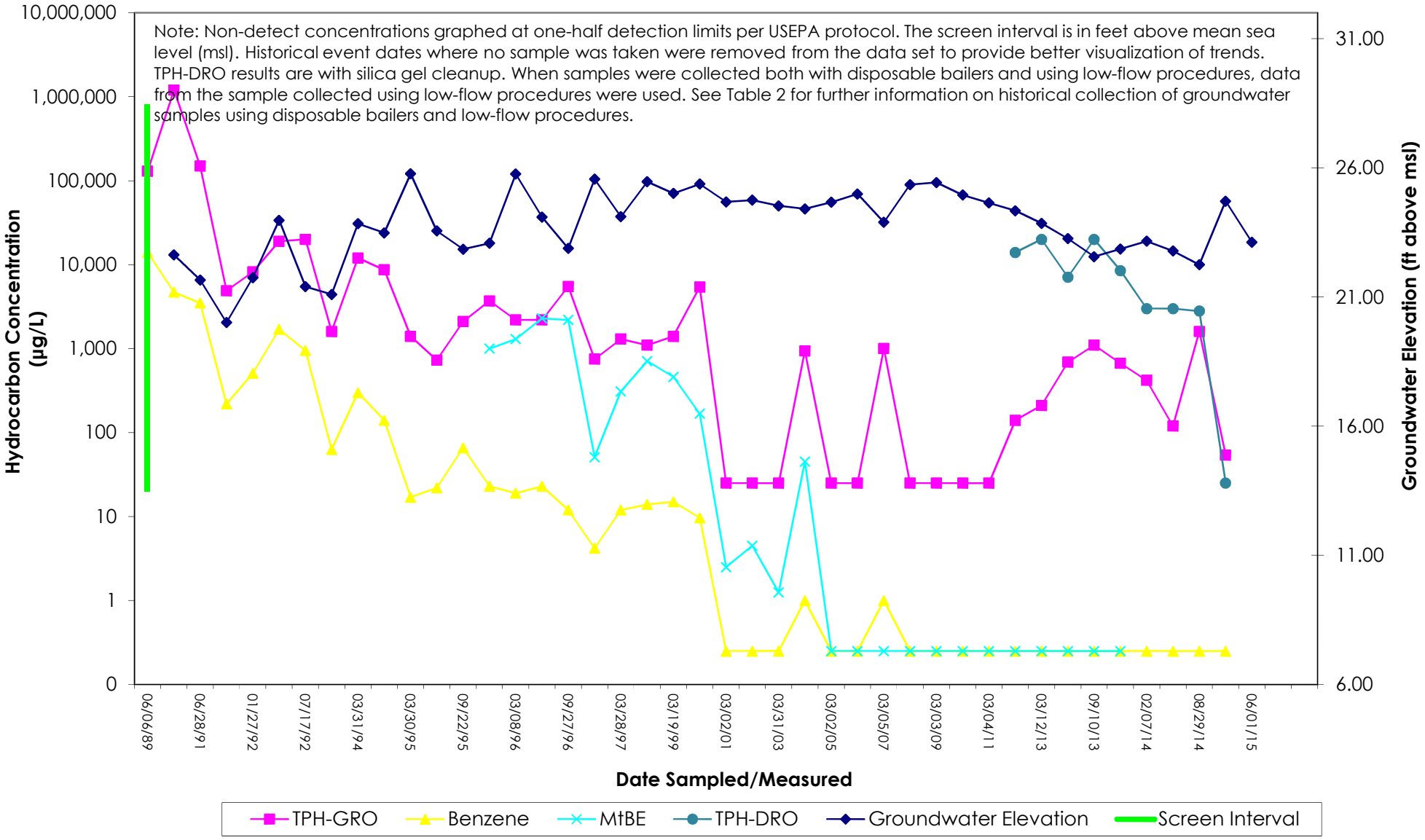
C-1 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



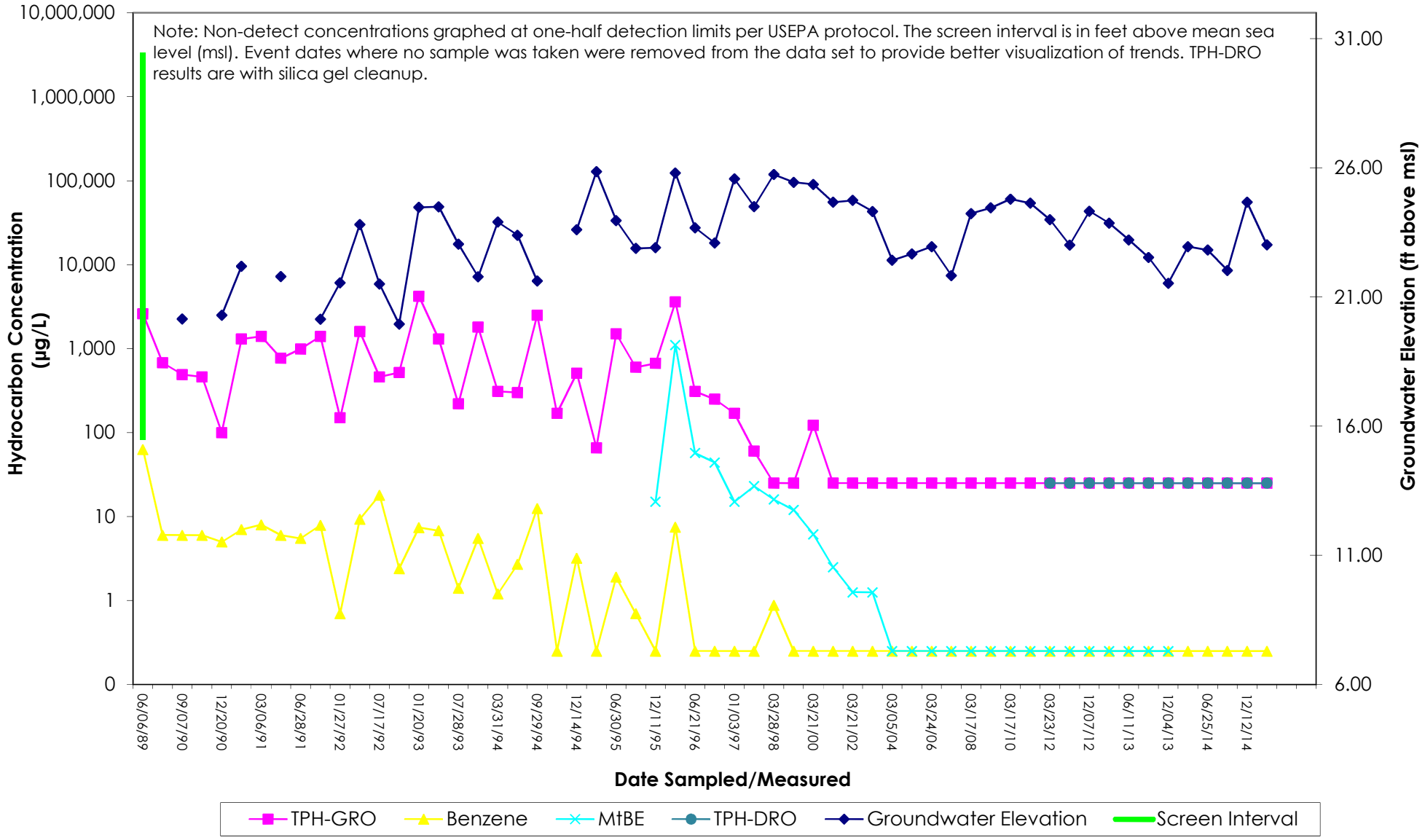
C-2 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



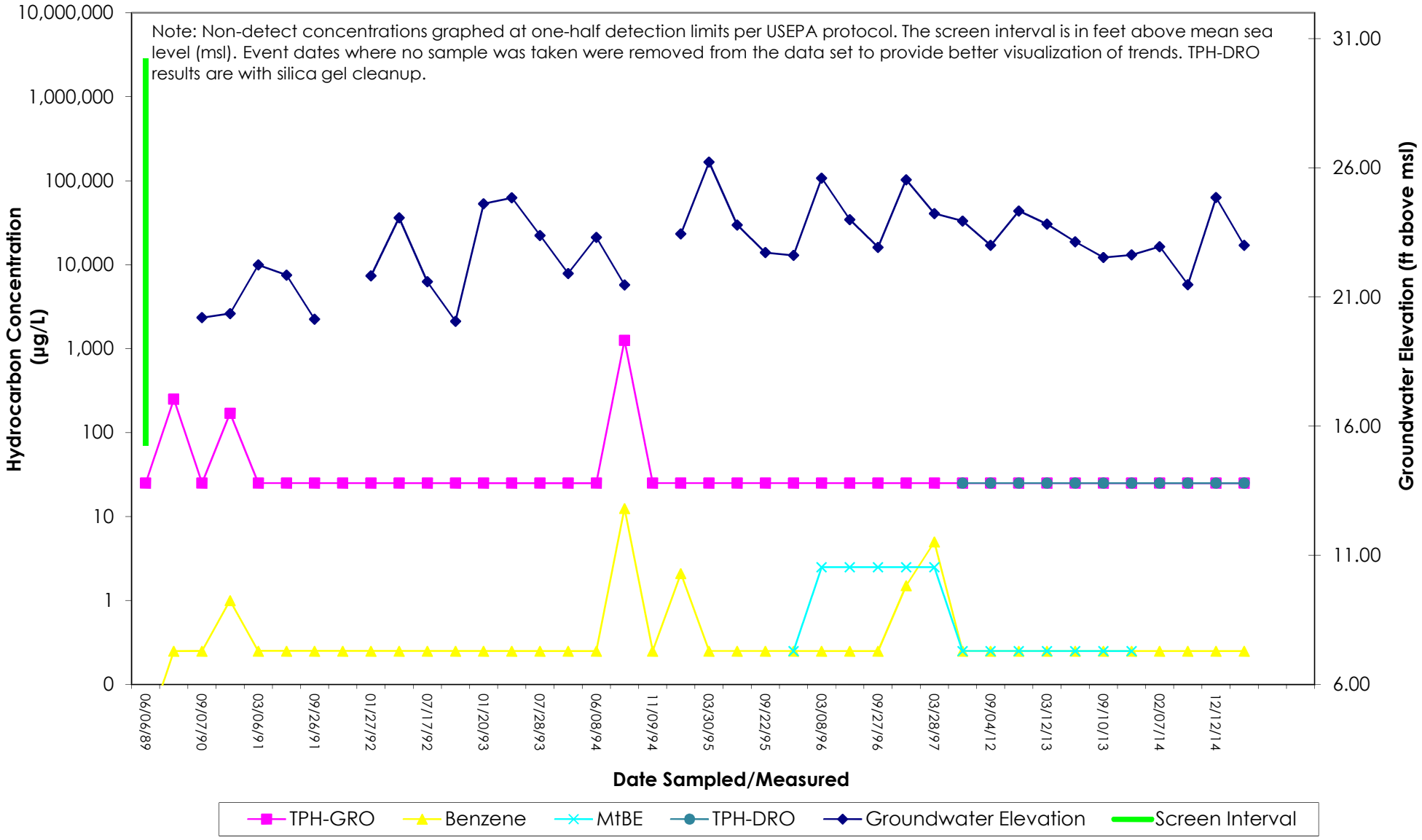
C-3 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



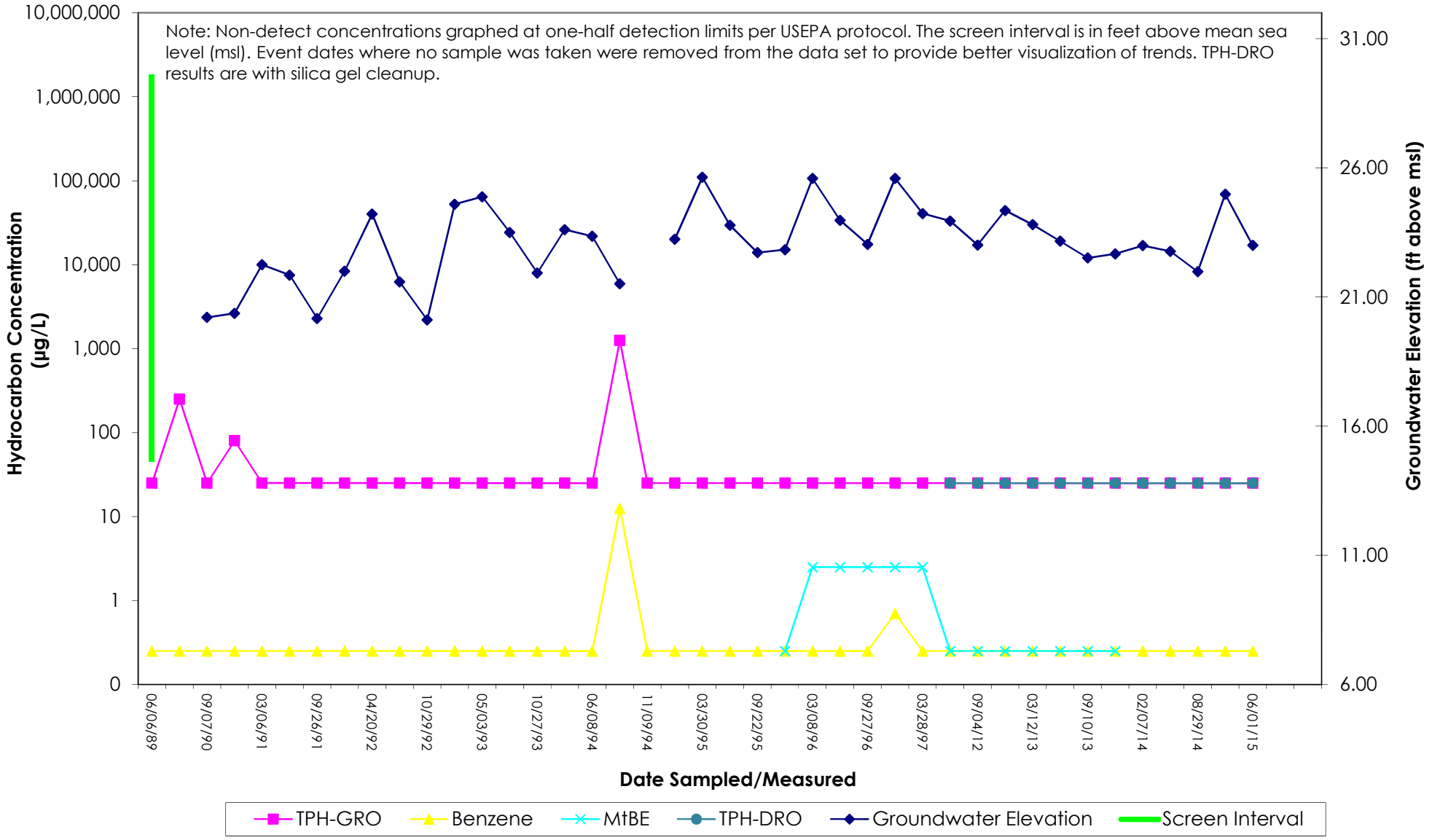
C-4 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



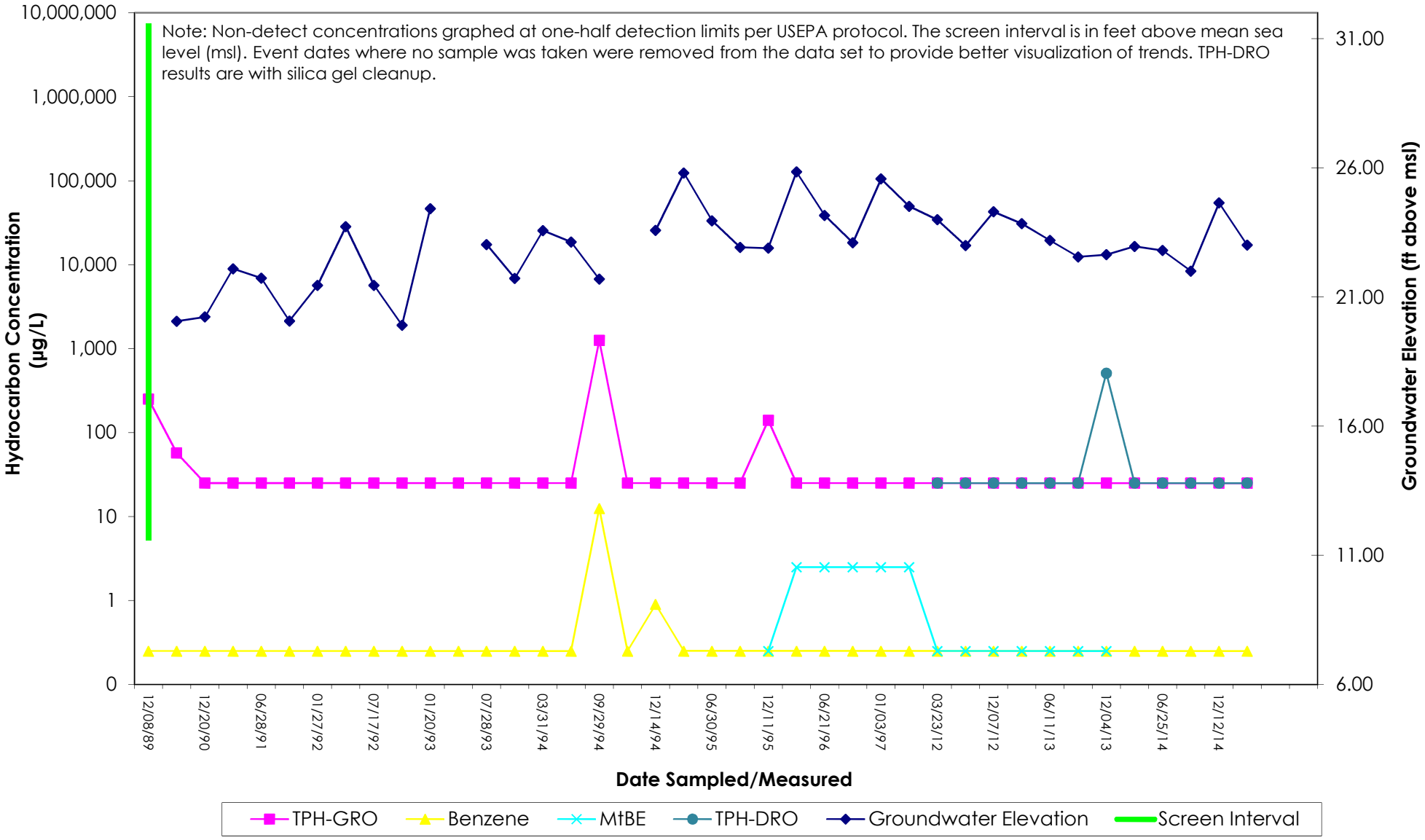
C-5 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



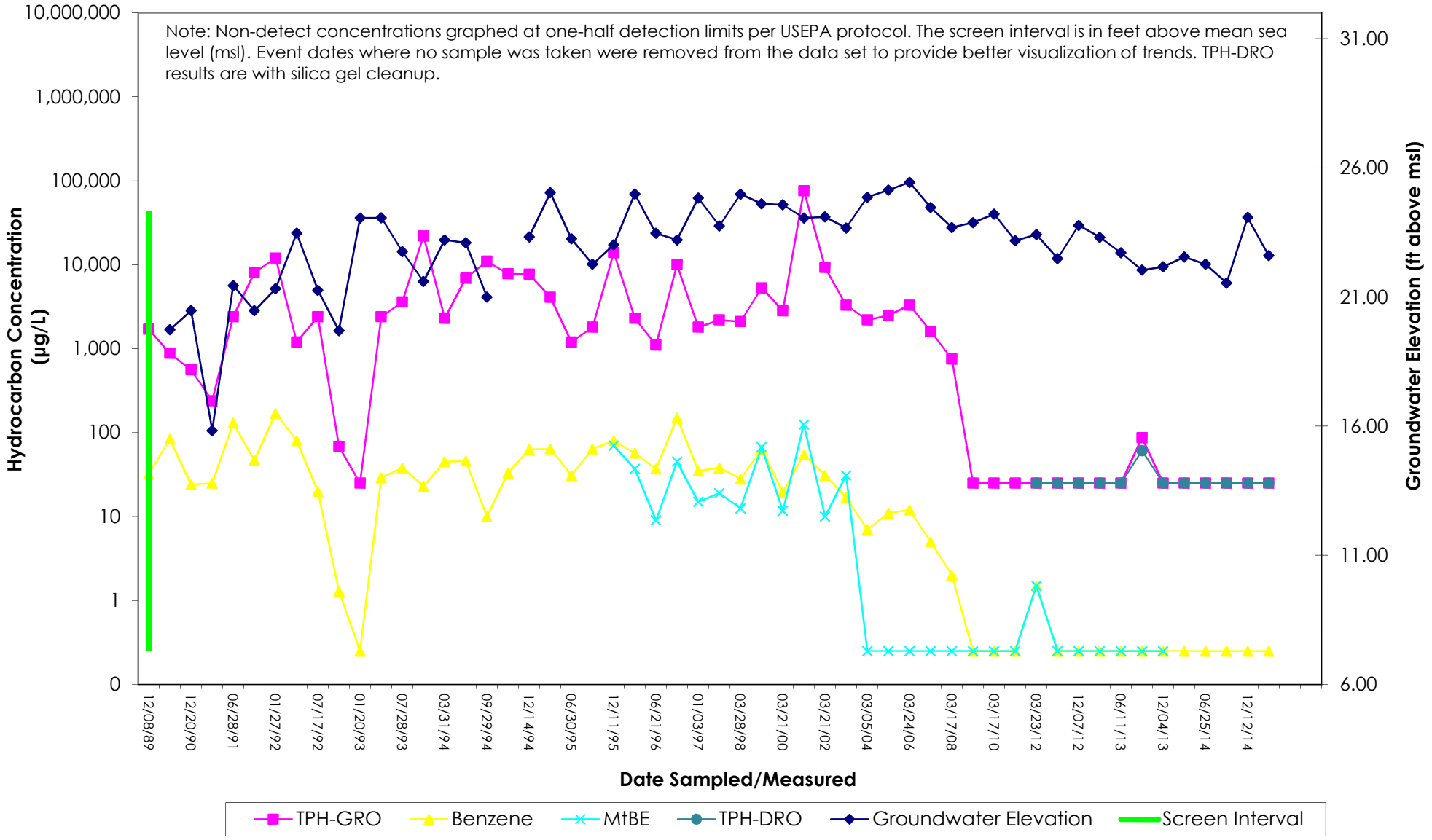
C-6 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



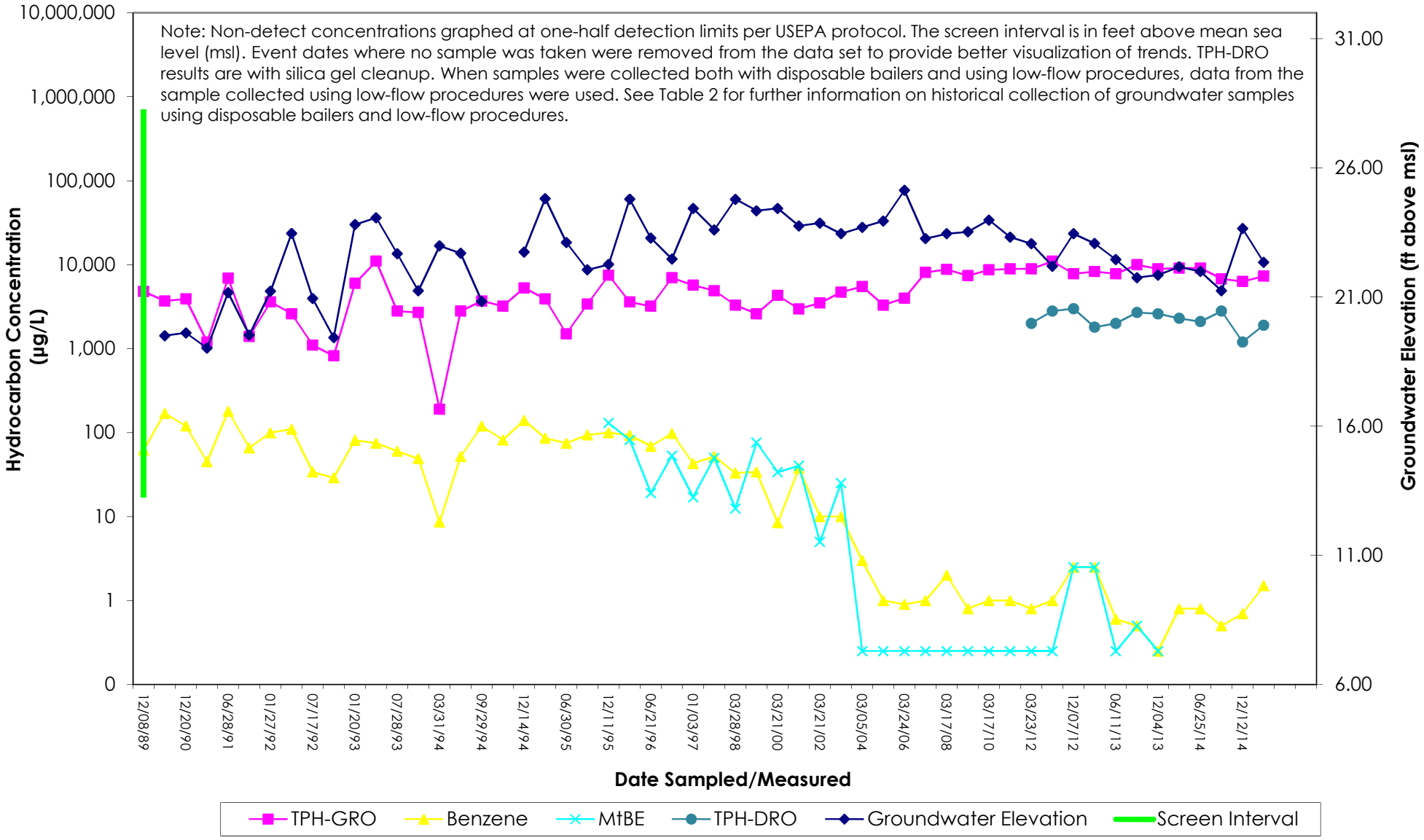
C-7 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



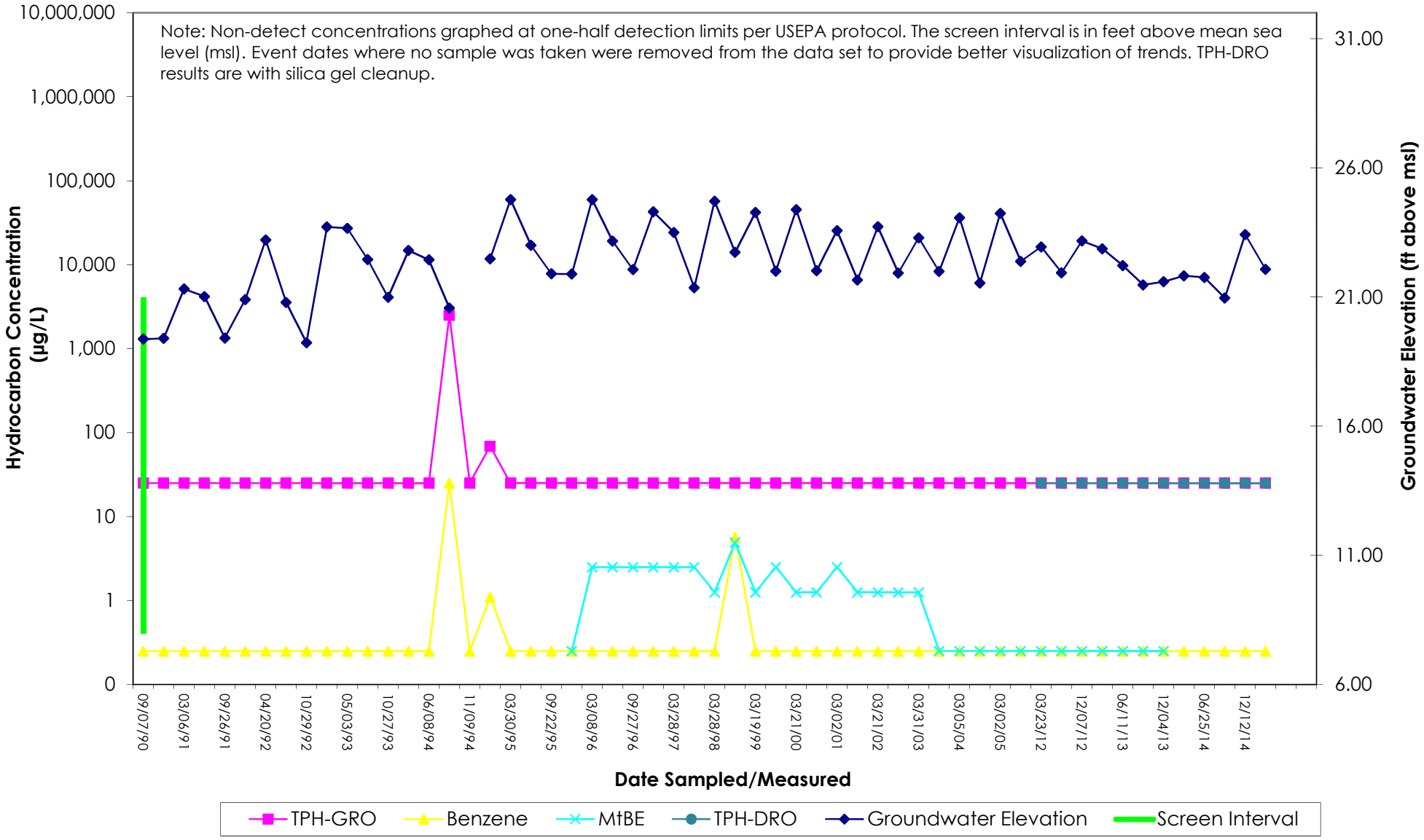
C-8 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



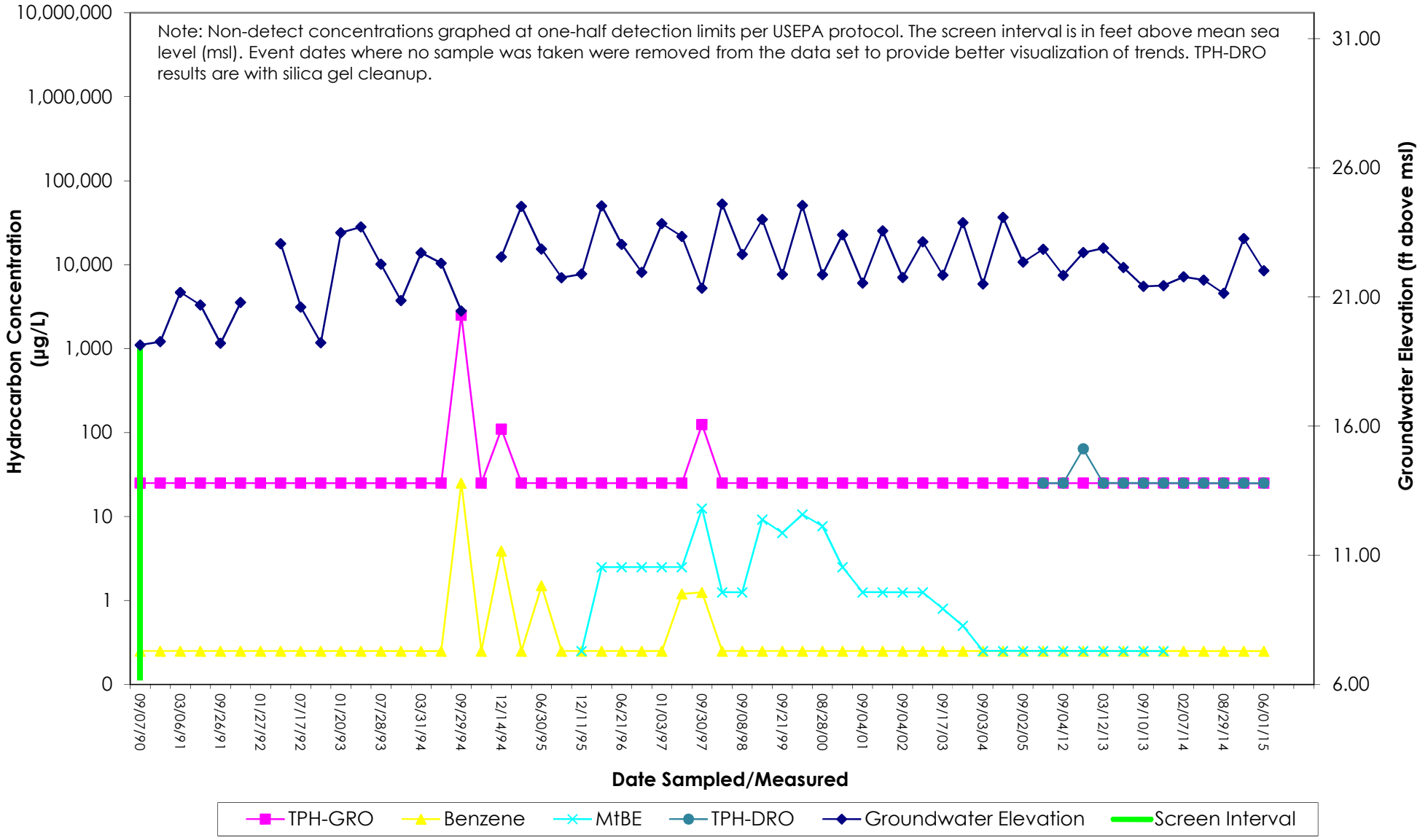
C-9 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



C-10 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California



C-11 TPH-GRO, TPH-DRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Chevron-branded Service Station 90504
15900 Hesperian Boulevard
San Lorenzo, California