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**First Semi-Annual 2017
Groundwater Monitoring Report**

Former Chevron-branded
Service Station 91723
9757 San Leandro Street
Oakland, California



Prepared for:
Chevron Environmental
Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583

Prepared by:
Stantec Consulting Services Inc.
15575 Los Gatos Blvd., Building C
Los Gatos, CA 95032

April 28, 2017



Carryl MacLeod
Project Manager, Marketing Business Unit

April 28, 2017

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 *First Semi-Annual 2017 Groundwater Monitoring Report* for former Chevron-branded service station 91723, located at 9757 San Leandro Street in Oakland, California. This report was prepared by Stantec Consulting Services Inc. (Stantec), upon whose assistance and advice I have relied. I have read and acknowledge the content, recommendations, and/or conclusions contained in the attached report submitted on my behalf to Alameda County Environmental Health's FTP server and the State Water Resources Control Board's GeoTracker™ Website.

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,

A handwritten signature in blue ink that reads "Carryl MacLeod".

Carryl MacLeod
Project Manager



April 28, 2017

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

Reference: **First Semi-Annual 2017 Groundwater Monitoring Report**
Former Chevron-branded Service Station 91723
9757 San Leandro Street, Oakland, California

Dear Mr. Detterman:

On behalf of Chevron Environmental Management Company (Chevron), Stantec Consulting Services Inc. (Stantec) is pleased to submit the *First Semi-Annual 2017 Groundwater Monitoring Report* for former Chevron-branded service station 91723, which was located at 9757 San Leandro Street, Oakland, Alameda County, California (Site - shown on **Figure 1**). This report is presented in three sections: Site Background, *First Semi-Annual 2017 Groundwater Monitoring and Sampling Program*, and Conclusions and Recommendations.

SITE BACKGROUND

The Site is a former Chevron-branded service station located on the western corner at the intersection of San Leandro Street and 98th Avenue in Oakland, California. The Site is currently a large parking area staging semi-trucks for a distribution company. A former service station operated at the Site from approximately 1946 to 1978. According to available records, Chevron purchased and began operation of the service station in 1968. Prior to 1966, three fuel underground storage tanks (USTs) and one fuel dispenser island (first generation) located in the eastern portion of the Site were removed. Second-generation fuel structures (installed between 1966 and 1968) included three fuel USTs located in the north-central portion of the Site, one waste oil UST located in the western portion of the Site, and five fuel dispenser islands (four located in the central portion of the Site and one located in the southern portion of the Site). In 1978, the service station was closed and all second-generation fuel structures were removed.

Land use near the Site consists primarily of commercial and industrial properties. The Site is bounded on the northwest and southwest by a former food processing plant, on the northeast by San Leandro Street followed by railroad tracks, and on the southeast by 98th Avenue followed by commercial businesses. A former Shell-branded service station was located immediately adjacent to and northwest (cross-gradient) of the Site. A former service station identified on the ACDEH website as "Thrifty" was located south-east (up/cross-gradient) of the Site.

FIRST SEMI-ANNUAL 2017 GROUNDWATER MONITORING AND SAMPLING PROGRAM

Gettler-Ryan Inc. (G-R) performed the First Semi-Annual 2017 groundwater monitoring and sampling event during First Quarter 2017 on February 27, 2017. G-R's standard operating procedures (SOPs) and field data sheets are included in **Attachment A**. G-R gauged depth-to-groundwater (DTW) in five Site wells (MW-2, MW-5, MW-6, MW-8, and MW-9) prior to collecting groundwater samples for laboratory analysis. All five Site wells were sampled.

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Former Chevron-branded Service Station 91723

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Investigation-derived waste (IDW) generated during the First Quarter 2017 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 MW-5, MW-6, MW-8, and MW-9 are currently screened across the prevailing groundwater table, while the DTW measurement in well MW-2 was above the screen interval, and the screen interval is currently entirely submerged. Groundwater elevation data from Third Quarter 2011 to present are included in **Table 2**. A groundwater elevation contour map (based on First Quarter 2017 data) is shown on **Figure 2**. The direction of groundwater flow beneath the Site at the time of sampling was toward the west at an average hydraulic gradient of approximately 0.003 feet per foot (ft/ft). This is generally consistent with the historical direction of groundwater flow, as shown by the groundwater flow direction rose diagram on **Figure 3** illustrating the direction of groundwater flow from Third Quarter 1988 to present. Historical groundwater elevation data are included in **Attachment B**.

Schedule of Laboratory Analysis

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline range organics (TPH-GRO) and benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) using United States Environmental Protection Agency (US EPA) Method 8260B (SW-846); total petroleum hydrocarbons as diesel range organics (TPH-DRO) with silica gel cleanup using US EPA Method 8015B (SW-846); and total dissolved solids (TDS) using SM 2540 C-1997.

Groundwater Analytical Results

During First Quarter 2017, groundwater samples were collected from five Site wells (MW-2, MW-5, MW-6, MW-8, and MW-9). Groundwater analytical results from Third Quarter 2011 to present are included in **Table 2** and **Table 3**. Only historically detected halogenated volatile organic compounds (HVOCs) are shown in **Table 3**. Historical monitored natural attenuation (MNA) parameters are presented in **Table 4**. Additional historical groundwater analytical data are included in **Attachment B**. 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 benzene isoconcentration map is shown on **Figure 7**.

Certified laboratory analysis reports and chain-of-custody documents are presented as **Attachment C**. Hydrographs based on groundwater elevations and analytical results from Third Quarter 2011 to present are included in **Attachment D**. A summary of First Quarter 2017 groundwater analytical results for petroleum hydrocarbons are presented in the following table.

Well ID	TPH-GRO (µg/L)	TPH-DRO* (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
WQO	100	100	1	40	13	20
MW-2	37	<50	<0.5	<0.5	<0.5	<0.5
MW-5	260	<50	<0.5	<0.5	<0.5	<0.5
MW-6	69	<50	<0.5	<0.5	<0.5	<0.5
MW-8	3,300	320	28	2	7	7
MW-9	<22	<50	<0.5	<0.5	<0.5	<0.5

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Table Notes:

µg/L = micrograms per liter

* = using silica gel cleanup

WQO = water quality objective – San Francisco Bay Regional Water Quality Control Board
Environmental Screening Level

< = constituent was not detected at or above the noted laboratory reporting limit

TOTAL DISSOLVED SOLIDS (TDS)

To aid in groundwater quality evaluation, TDS were also analyzed. TDS were detected in all five Site wells, at concentrations ranging from 492,000 µg/L (well MW-8) to 575,000 µg/L (well MW-5). The TDS level was below the California Department of Public Health (CDPH) Secondary Maximum Contaminant Level (SMCL) drinking water standard for public water supplies of 500 milligrams per liter (mg/L) in well MW-8, but above the drinking water standard in wells MW-2, MW-5, MW-6, and MW-9. Because TDS levels were above the drinking water standard in four wells, this generally indicates that Site groundwater cannot currently be used as a drinking water source. TDS analysis will be discontinued and not conducted during any future groundwater monitoring events.

CONCLUSIONS AND RECOMMENDATIONS

The maximum concentration of TPH-GRO and the only detections of TPH-DRO and BTEX compounds are currently observed in well MW-8, which is located in the northern portion of the Site near the former second-generation USTs. An elevated TPH-GRO concentration (260 µg/L) was also detected in well MW-5, located near the former first-generation dispenser islands. Current and historical groundwater quality data indicate the dissolved-phase petroleum hydrocarbon plume at the Site is adequately defined and stable or decreasing in overall size and concentration.

Given the quantity of data collected to-date, the well-established data trends since wells were first installed, and because Site conditions satisfy low-threat closure groundwater-specific criteria, scenario 1, as presented in Stantec's *Low-Threat Closure Policy Evaluation and Request for Closure*, dated June 10, 2016, additional monitoring and sampling of Site wells appears unwarranted. A review of the Site by the State Water Resources Control Board, dated January 2017, confirms that the low-threat closure groundwater-specific criteria are met; therefore, Stantec requests that groundwater monitoring and sampling at the Site cease.

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

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LIMITATIONS

This document entitled First Quarter 2017 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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Erin O'Malley
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Attachments:

Table 1 – Well Details / Screen Interval Assessment – First Quarter 2017

Table 2 – Groundwater Monitoring Data and Analytical Results

Table 3 – Groundwater Analytical Results – Halogenated Volatile Organic Compounds

Table 4 – Monitored Natural Attenuation Parameters

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map – First Quarter 2017

Figure 3 – Groundwater Flow Direction Rose Diagram – First Quarter 2017

Figure 4 – Site Plan Showing Groundwater Concentrations – First Quarter 2017

Figure 5 – TPH-GRO Isoconcentration Map – First Quarter 2017

Figure 6 – TPH-DRO Isoconcentration Map – First Quarter 2017

Figure 7 – Benzene Isoconcentration Map – First Quarter 2017

Attachment A – Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures –
First Quarter 2017

Attachment B – Historical Groundwater Data

Attachment C – Certified Laboratory Analysis Reports and Chain-of-Custody Documents

Attachment D – Hydrographs

cc:

Ms. Carryl MacLeod, Chevron Environmental Management Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583 – Electronic Copy

Hothem Trust c/o Mr. Jan Greben, Greben & Associates, 125 East De La Guerra Street, Suite 203, Santa Barbara, CA 93101 – Electronic Copy

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TABLES

Table 1
Well Details / Screen Interval Assessment
First Quarter 2017

Former Chevron-Branded Service Station 91723
 9757 San Leandro Street, Oakland, 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
MW-2	04/18/87	Monitoring	2	21.31	22.00	21.89	7.17	12-22	Depth-to-groundwater above screen interval.
MW-5	05/18/88	Monitoring	2	21.84	20.00	17.60	7.00	7-20	Depth-to-groundwater within screen interval.
MW-6	05/18/88	Monitoring	2	21.71	20.00	19.55	7.18	7-20	Depth-to-groundwater within screen interval.
MW-8	05/19/88	Monitoring	2	21.84	20.00	18.28	7.38	7-20	Depth-to-groundwater within screen interval.
MW-9	08/04/89	Monitoring	4	20.55	20.00	20.20	6.72	5.5-20	Depth-to-groundwater within screen interval.

Notes:
 bgs = below ground surface
 msl = mean sea level
 TOC = top of casing
¹ = As measured on February 27, 2017.

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TDS (µg/L)
MW-2											
09/23/11	21.31	9.78	11.53	--	180	<0.5	<0.5	0.6	0.6	0.6	--
12/29/11	21.31	9.73	11.58	--	100	<0.5	<0.5	0.7	0.9	<0.5	--
03/30/12	21.31	8.02	13.29	--	180	<0.5	<0.5	2	4	<0.5	--
06/12/12	21.31	9.58	11.73	--	99	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/12	21.31	9.81	11.50	--	93	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/13/13	21.31	9.52	11.79	--	110	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/17/13	21.31	9.96	11.35	--	94	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/14	21.31	9.35	11.96	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
09/11/14	21.31	9.93	11.38	--	99	<0.5	<0.5	<0.5	<0.5	--	--
03/10/15	21.31	9.30	12.01	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
08/24/15	21.31	9.97	11.34	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/11/16	21.31	6.28	15.03	<50 ¹	25	<0.5	<0.5	<0.5	<0.5	--	480,000
08/24/16	21.31	9.72	11.59	<50 ¹	<22	<0.5	<0.5	<0.5	<0.5	--	600,000
02/27/17	21.31	7.17	14.14	<50¹	37	<0.5	<0.5	<0.5	<0.5	--	521,000
MW-5											
09/23/11	21.84	9.85	11.99	--	190	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/29/11	21.84	9.91	11.93	--	180	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/30/12	21.84	7.92	13.92	--	190	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/12/12	21.84	9.65	12.19	--	260	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/12	21.84	9.83	12.01	--	230	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/13/13	21.84	9.55	12.29	--	200	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/17/13	21.84	9.93	11.91	--	140	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/14	21.84	9.41	12.43	--	100	<0.5	<0.5	<0.5	<0.5	--	--
09/11/14	21.84	9.94	11.90	--	150	<0.5	<0.5	<0.5	<0.5	--	--
03/10/15	21.84	9.36	12.48	--	120	<0.5	<0.5	<0.5	<0.5	--	--
08/24/15	21.84	10.04	11.80	--	260	<0.5	<0.5	<0.5	<0.5	--	--
03/11/16	21.84	6.27	15.57	<50 ¹	230	<0.5	<0.5	<0.5	<0.5	--	469,000
08/24/16	21.84	9.75	12.09	<50 ¹	280	<0.5	<0.5	<0.5	<0.5	--	491,000
02/27/17	21.84	7.00	14.84	<50¹	260	<0.5	<0.5	<0.5	<0.5	--	575,000
MW-6											
09/23/11	21.71	9.99	11.72	--	<22	<0.5	<0.5	<0.5	<0.5	0.7	--
12/29/11	21.71	9.93	11.78	--	<22	<0.5	<0.5	<0.5	<0.5	0.6	--
03/30/12	21.71	8.00	13.71	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TDS (µg/L)
MW-6 (cont)											
06/12/12	21.71	9.76	11.95	--	66	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/12	21.71	9.93	11.78	--	27	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/13/13	21.71	9.70	12.01	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/17/13	21.71	10.06	11.65	--	34	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/14	21.71	9.38	12.33	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
09/11/14	21.71	10.07	11.64	--	52	<0.5	<0.5	<0.5	<0.5	--	--
03/10/15	21.71	9.47	12.24	--	28	<0.5	<0.5	<0.5	<0.5	--	--
08/24/15	21.71	10.15	11.56	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/11/16	21.71	6.39	15.32	<50 ¹	31	<0.5	<0.5	<0.5	<0.5	--	487,000
08/24/16	21.71	9.86	11.85	<50 ¹	<22	<0.5	<0.5	<0.5	<0.5	--	484,000
02/27/17	21.71	7.18	14.53	<50¹	69	<0.5	<0.5	<0.5	<0.5	--	510,000
MW-8											
09/23/11	21.84	10.15	11.69	--	1,900	55	2	10	8	<0.5	--
12/29/11	21.84	10.10	11.74	--	1,300	31	1	5	5	<0.5	--
03/30/12	21.84	8.12	13.72	--	2,200	65	3	20	14	<0.5	--
06/12/12	21.84	9.90	11.94	--	2,300	49	2	14	14	<0.5	--
09/27/12	21.84	10.12	11.72	--	1,900	43	2	10	8	<0.5	--
03/13/13	21.84	9.86	11.98	--	1,400	31	1	7	5	<0.5	--
09/17/13	21.84	10.34	11.50	--	2,100	60	2	11	9	<0.5	--
03/21/14	21.84	9.49	12.35	--	270	2	<0.5	<0.5	0.6	--	--
09/11/14	21.84	10.22	11.62	--	3,000	44	2	13	8	--	--
03/10/15	21.84	9.61	12.23	--	1,500	36	1	5	6	--	--
08/24/15	21.84	10.33	11.51	--	2,700	39	2	5	7	--	--
03/11/16	21.84	6.48	15.36	210 ¹	1,500	27	1	4	5	--	465,000
08/24/16	21.84	10.07	11.77	<50 ¹	430	5	<0.5	0.6	0.9	--	441,000
02/27/17	21.84	7.38	14.46	320¹	3,300	28	2	7	7	--	492,000
MW-9											
09/23/11	20.55	9.30	11.25	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/29/11	20.55	9.51	11.04	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/30/12	20.55	7.52	13.03	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/12/12	20.55	9.14	11.41	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/12	20.55	9.24	11.31	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/13/13	20.55	9.07	11.48	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/17/13	20.55	9.51	11.04	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/14	20.55	8.87	11.68	--	<22	<0.5	<0.5	<0.5	<0.5	--	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	TOC (ft.)	DTW (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TDS (µg/L)
MW-9 (cont)											
09/11/14	20.55	9.43	11.12	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/10/15	20.55	8.10	12.45	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
08/24/15	20.55	9.53	11.02	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/11/16	20.55	5.80	14.75	<50 ¹	<22	<0.5	<0.5	<0.5	<0.5	--	489,000
08/24/16	20.55	8.92	11.63	<50 ¹	<22	<0.5	<0.5	<0.5	<0.5	--	499,000
02/27/17	20.55	6.72	13.83	<50¹	<22	<0.5	<0.5	<0.5	<0.5	--	545,000
TRIP BLANK											
QA											
09/23/11	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/29/11	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/30/12	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/12/12	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/27/12	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/13/13	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/17/13	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/21/14	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
09/11/14	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/10/15	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
08/24/15	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
03/11/16	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
08/24/16	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--
02/27/17	--	--	--	--	<22	<0.5	<0.5	<0.5	<0.5	--	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

EXPLANATIONS:

Current groundwater monitoring data provided by Gettler-Ryan Inc. Current laboratory analytical results provided by Eurofins Lancaster Laboratories.

TOC = Top of Casing
(ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean Sea Level

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 = Xylenes

MtBE = Methyl tertiary-butyl ether

TDS = total dissolved solids

(µg/L) = Micrograms per liter

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

¹ With silica gel cleanup. Laboratory report indicates the reverse surrogate, capric acid, is present at <1%.

Table 3
Groundwater Analytical Results - Halogenated Volatile Organic Compounds
 Former Chevron-Branded Service Station 91723
 9757 San Leandro Street, Oakland, California

WELL ID/ DATE	1,1-DCA ($\mu\text{g/L}$)	1,1-DCE ($\mu\text{g/L}$)	cis -1,2-DCE ($\mu\text{g/L}$)
MW-2 03/10/15	<0.5	<0.5	<0.5
MW-5 03/10/15	<0.5	<0.5	<0.5
MW-6 03/10/15	<0.5	<0.5	<0.5
MW-8 03/10/15	<0.5	<0.5	<0.5
MW-9 03/10/15	1	0.7	0.6

EXPLANATIONS:

Current groundwater monitoring data provided by Gettler-Ryan Inc.
 Current laboratory analytical results provided by Eurofins Lancaster Laboratories.

1,1-DCA = 1,1-Dichloroethane
 1,1-DCE = 1,1-Dichloroethene
 cis -1,2-DCE = cis -1,2-Dichloroethene
 ($\mu\text{g/L}$) = Micrograms per liter

Table 4
Monitored Natural Attenuation Parameters
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	METHANE (µg/L)	NITRATE (µg/L)	SULFATE (µg/L)	ALKALINITY TO pH 4.5 (µg/L as CaCO ₃)	ALKALINITY TO pH 8.3 (µg/L as CaCO ₃)	FERROUS IRON (µg/L)	SULFIDE (µg/L)	POST-PURGE DO (mg/L)	POST-PURGE ORP (mV)
MW-2									
03/30/12	330	320	10,600	545,000	<460	2,200	<270 ¹	1.08	219
06/12/12	300	290	12,900	460,000	<700	1,400	<220 ¹	0.86	135
09/27/12	250	710	14,200	448,000	<700	450	99	0.91	138
03/13/13	680	<250	13,000	503,000	--	700	<54	1.39	-7
09/17/13	370	<250	12,000	506,000	--	690	130	0.74	8
03/21/14	--	--	--	--	--	--	--	1.48	-36
09/11/14	490	<250	10,400	487,000	--	4,500	<270 ¹	0.26	125
03/10/15	--	--	--	--	--	--	--	1.5	156
MW-5									
03/30/12	110	440	30,200	370,000	<460	300	<270 ¹	1.11	222
06/12/12	120	890	44,800	387,000	<700	7,300	<220 ¹	0.87	124
09/27/12	110	980	30,200	370,000	<700	7,400	<110 ¹	0.98	136
03/13/13	170	570	30,600	398,000	--	2,600	<54	1.19	-34
09/17/13	110	900	31,200	373,000	--	2,000	<54	0.46	-4
03/21/14	--	--	--	--	--	--	--	1.31	-28
09/11/14	99	<250	34,900	375,000	--	18,200	<270 ¹	0.11	81
03/10/15	--	--	--	--	--	--	--	1.4	143
MW-6									
03/30/12	62	<250	5,600	455,000	<460	210	<54	1.12	223
06/12/12	190	<250	6,300	458,000	<700	4,700	<110 ¹	0.84	115
09/27/12	170	640	8,500	434,000	<700	8,800	<110 ¹	0.96	133
03/13/13	190	<250	4,400	473,000	--	6,200	<54	2.61	7
09/17/13	120	<250	6,300	444,000	--	4,600	98	0.49	-14
03/21/14	--	--	--	--	--	--	--	1.16	26
09/11/14	320	<250	6,000	447,000	--	10,400	<54	0.21	109
03/10/15	--	--	--	--	--	--	--	1.6	179

Table 4
Monitored Natural Attenuation Parameters
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

WELL ID/ DATE	METHANE (µg/L)	NITRATE (µg/L)	SULFATE (µg/L)	ALKALINITY TO pH 4.5 (µg/L as CaCO ₃)	ALKALINITY TO pH 8.3 (µg/L as CaCO ₃)	FERROUS IRON (µg/L)	SULFIDE (µg/L)	POST-PURGE DO (mg/L)	POST-PURGE ORP (mV)
MW-8									
03/30/12	2,100	2,300	32,200	454,000	<460	29,300	780 ¹	1.15	230
06/12/12	1,700	<250	9,200	441,000	<700	43,200	<220 ¹	0.98	47
09/27/12	1,900	420	7,900	444,000	<700	35,600	<270 ¹	1.21	50
03/13/13	1,800	<250	9,700	450,000	--	32,300	<540 ¹	1.61	-85
09/17/13	1,700	<250	5,700	468,000	--	22,300	<220 ¹	0.38	-78
03/21/14	--	--	--	--	--	--	--	1.09	-51
09/11/14	2,900	<250	3,700	417,000	--	59,500	<540 ¹	0.04	28
03/10/15	--	--	--	--	--	--	--	1.1	-76
MW-9									
03/30/12	<5.0	<250	7,400	381,000	<460	31	<54	1.34	179
06/12/12	<5.0	2,900	32,900	397,000	<700	340	<54	0.92	128
09/27/12	<5.0	1,700	32,200	398,000	<700	53	<54	1.10	141
03/13/13	<3.0	2,400	33,400	414,000	--	<8.0	<54	1.38	189
09/17/13	<3.0	910	29,200	414,000	--	<10	<54	1.41	124
03/21/14	--	--	--	--	--	--	--	1.04	72
09/11/14	<3.0	2,700	35,300	383,000	--	<10	<54	0.35	134
03/10/15	--	--	--	--	--	--	--	1.7	175

Table 4
Monitored Natural Attenuation Parameters
Former Chevron-Branded Service Station 91723
9757 San Leandro Street, Oakland, California

EXPLANATIONS:

Current groundwater monitoring data provided by Gettler-Ryan Inc. Current laboratory analytical results provided by Eurofins Lancaster Laboratories.

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

($\mu\text{g/L}$ as CaCO_3) = Micrograms per liter as calcium carbonate

DO = Dissolved Oxygen

(mg/L) = Milligrams per liter

ORP = Oxidation Reduction Potential

(mV) = Millivolts

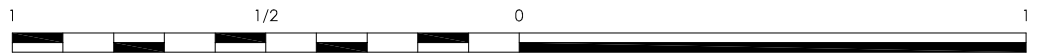
-- = Not Measured/Not Analyzed

¹ Laboratory report indicates reporting limits were raised due to interference from the sample matrix.

FIGURES



CALIFORNIA



SCALE IN MILES



SCALE IN FEET

REFERENCE: USGS 7.5 MINUTE QUADRANGLE;
SAN LEANDRO, CALIFORNIA; 2012



15575 Los Gatos Blvd, Building C
Los Gatos, CA 95032

Phone: (408)356-6124 Fax: (408)356-6138

FOR:

FORMER CHEVRON-BRANDED
SERVICE STATION 91723
9757 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE:

1

JOB NUMBER:

211602332

DRAWN BY:

JRO

CHECKED BY:

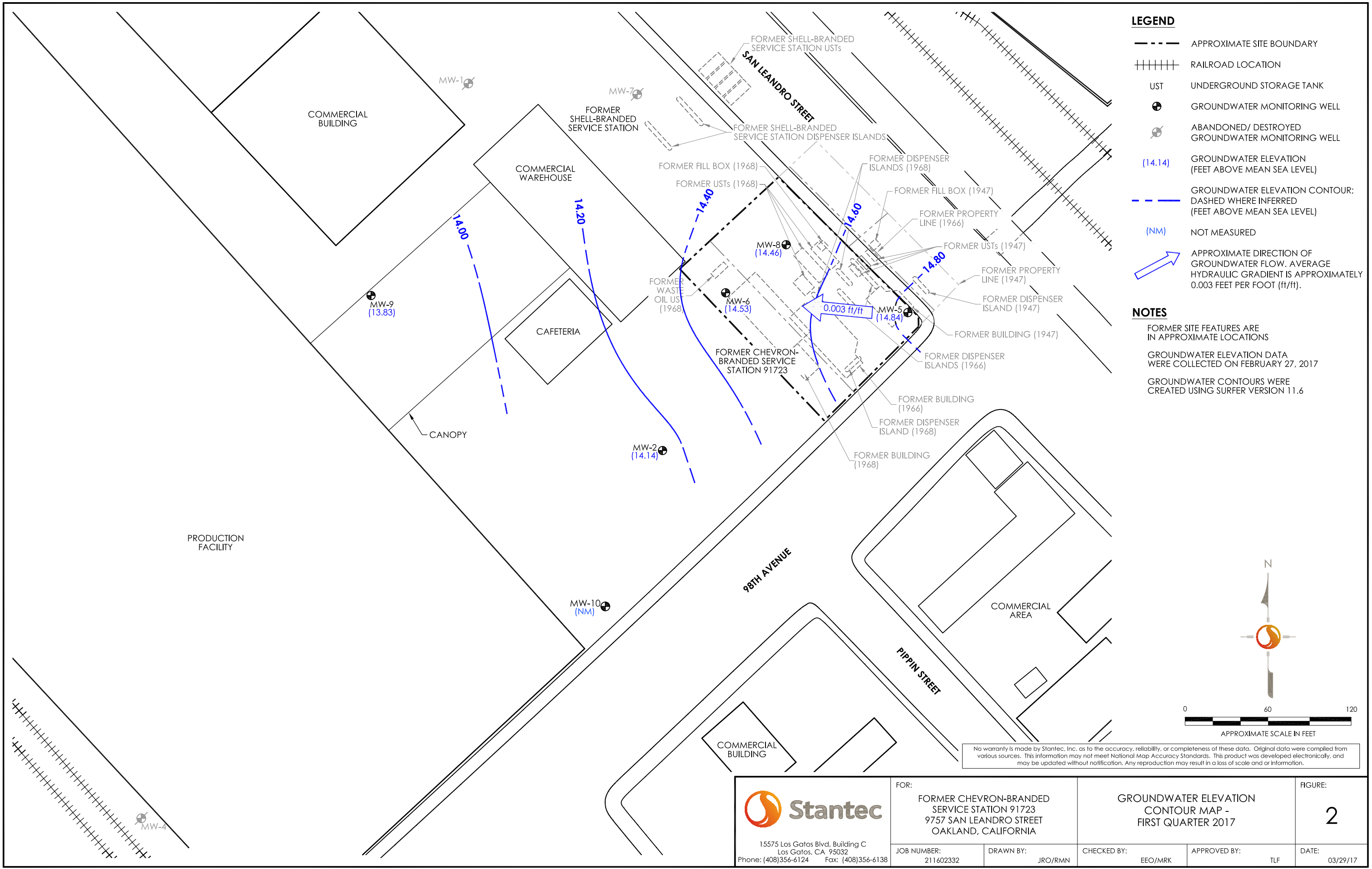
EEO/MRK

APPROVED BY:

TLF

DATE:

03/29/17

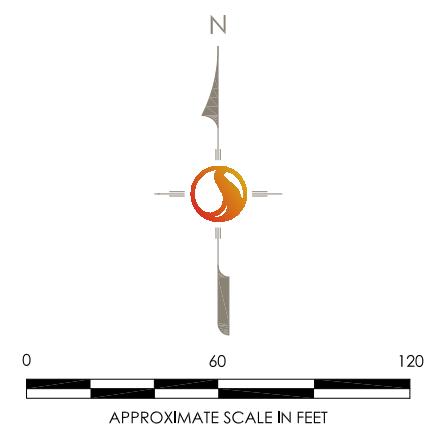


LEGEND


- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊕ ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
- (14.14) GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- - - - GROUNDWATER ELEVATION CONTOUR; DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
- (NM) NOT MEASURED
- ➔ APPROXIMATE DIRECTION OF GROUNDWATER FLOW. AVERAGE HYDRAULIC GRADIENT IS APPROXIMATELY 0.003 FEET PER FOOT (ft/ft).

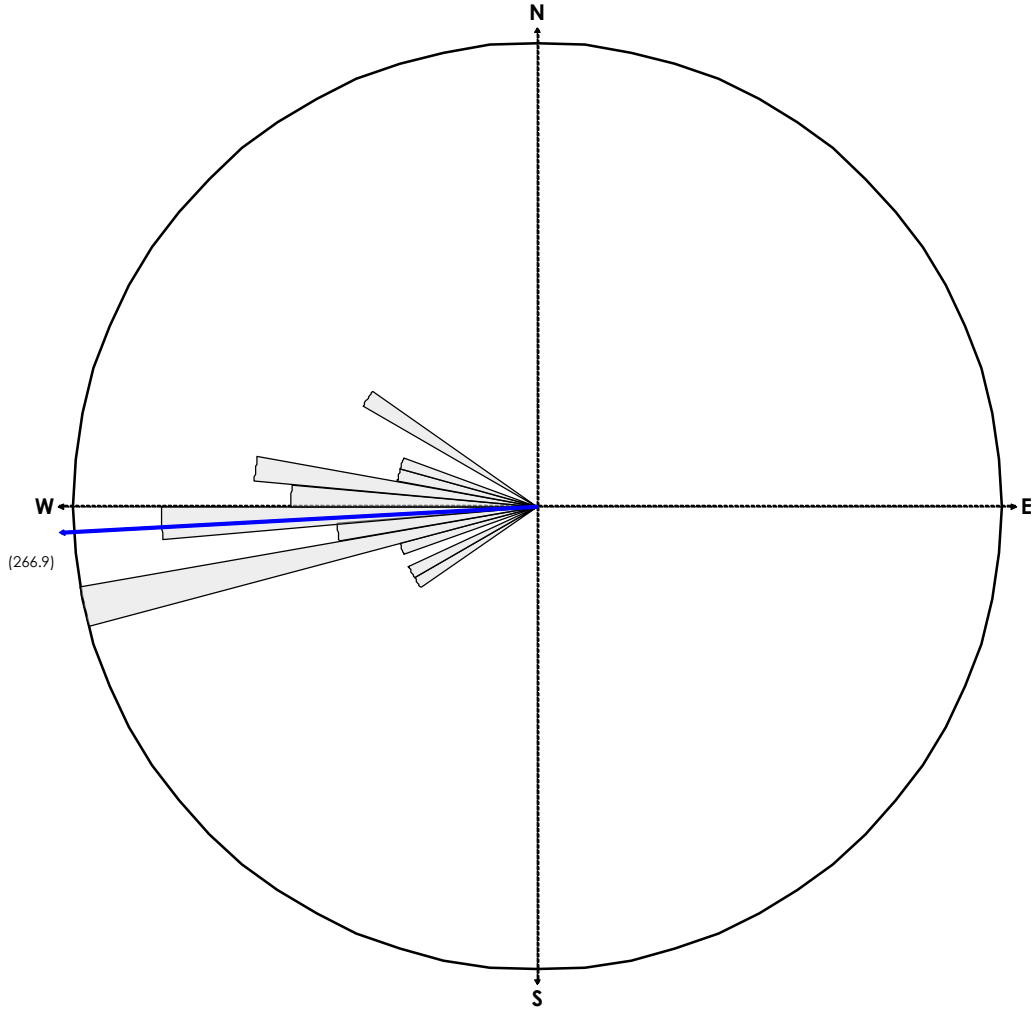
NOTES

FORMER SITE FEATURES ARE IN APPROXIMATE LOCATIONS
 GROUNDWATER ELEVATION DATA WERE COLLECTED ON FEBRUARY 27, 2017
 GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 11.6



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 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	GROUNDWATER ELEVATION CONTOUR MAP - FIRST QUARTER 2017		FIGURE: 2
	JOB NUMBER: 211602332	DRAWN BY: JRO/RMN	CHECKED BY: EEO/MRK	APPROVED BY: TLF



EQUAL AREA PLOT

Number of Points 34
 Class Size 5
 Vector Mean 266.88
 Vector Magnitude 33.00
 Consistency Ratio 0.97

NOTE: ROSE DIAGRAM IS BASED ON THE DIRECTION OF GROUNDWATER FLOW BEGINNING THIRD QUARTER 1988. DIRECTIONS OF GROUNDWATER FLOW WERE NOT INCLUDED FOR EVENTS WHERE THE GROUNDWATER FLOW DIRECTION VARIED.

 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		GROUNDWATER FLOW DIRECTION ROSE DIAGRAM - FIRST QUARTER 2017		FIGURE: 3
	JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: TLF	DATE: 03/29/17

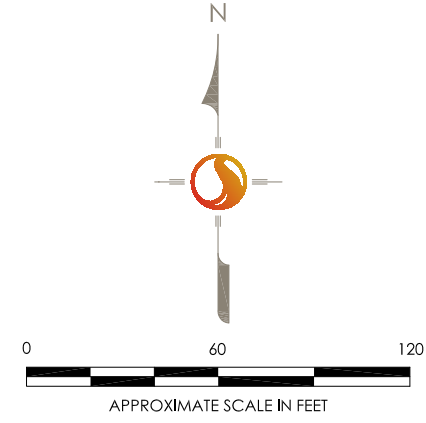
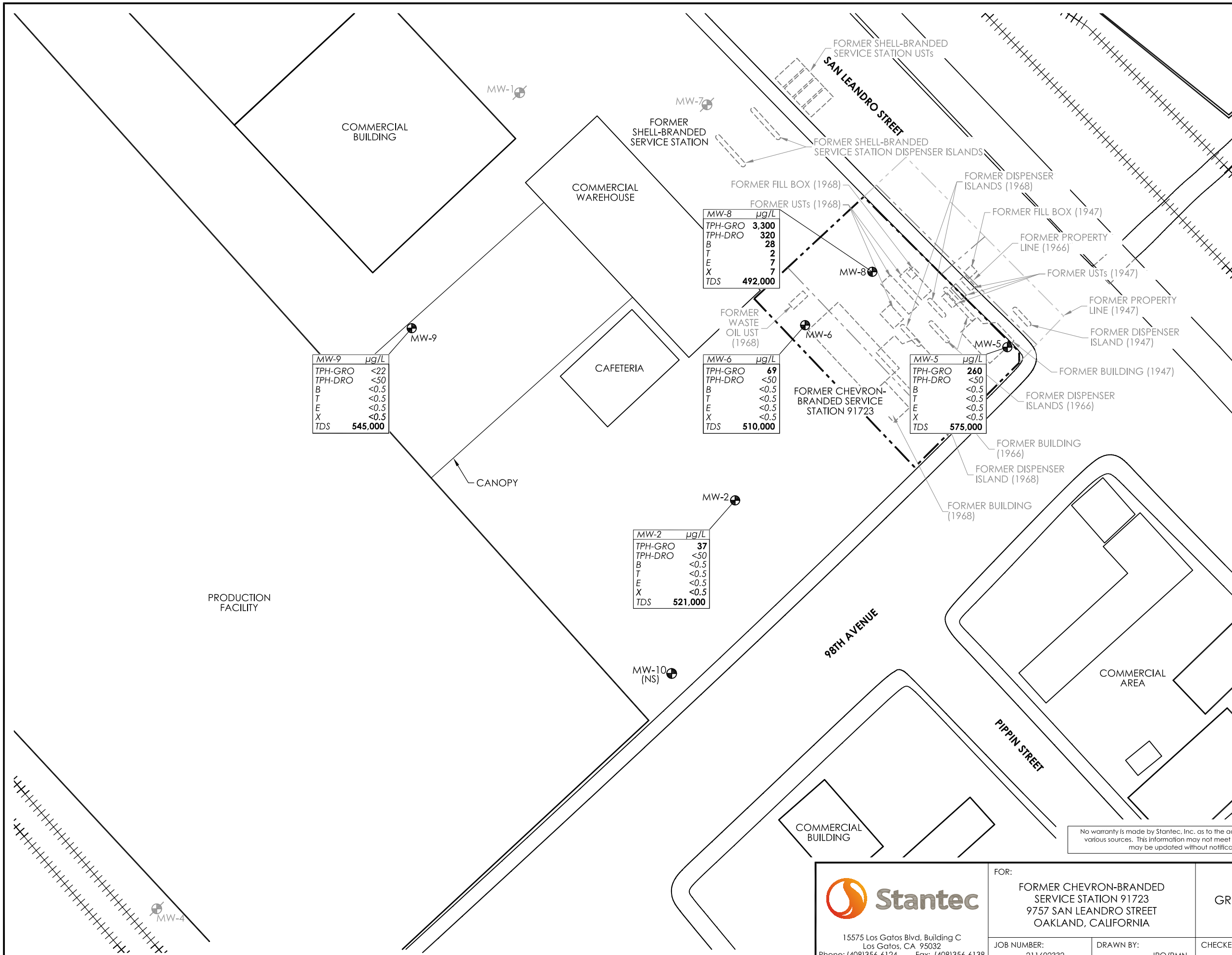
LEGEND

- APPROXIMATE SITE BOUNDARY
- ++++ RAILROAD LOCATION
- UST UNDERGROUND STORAGE TANK
- ⊕ GROUNDWATER MONITORING WELL
- ⊖ ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
- (NS) NOT SAMPLED


ANALYTES

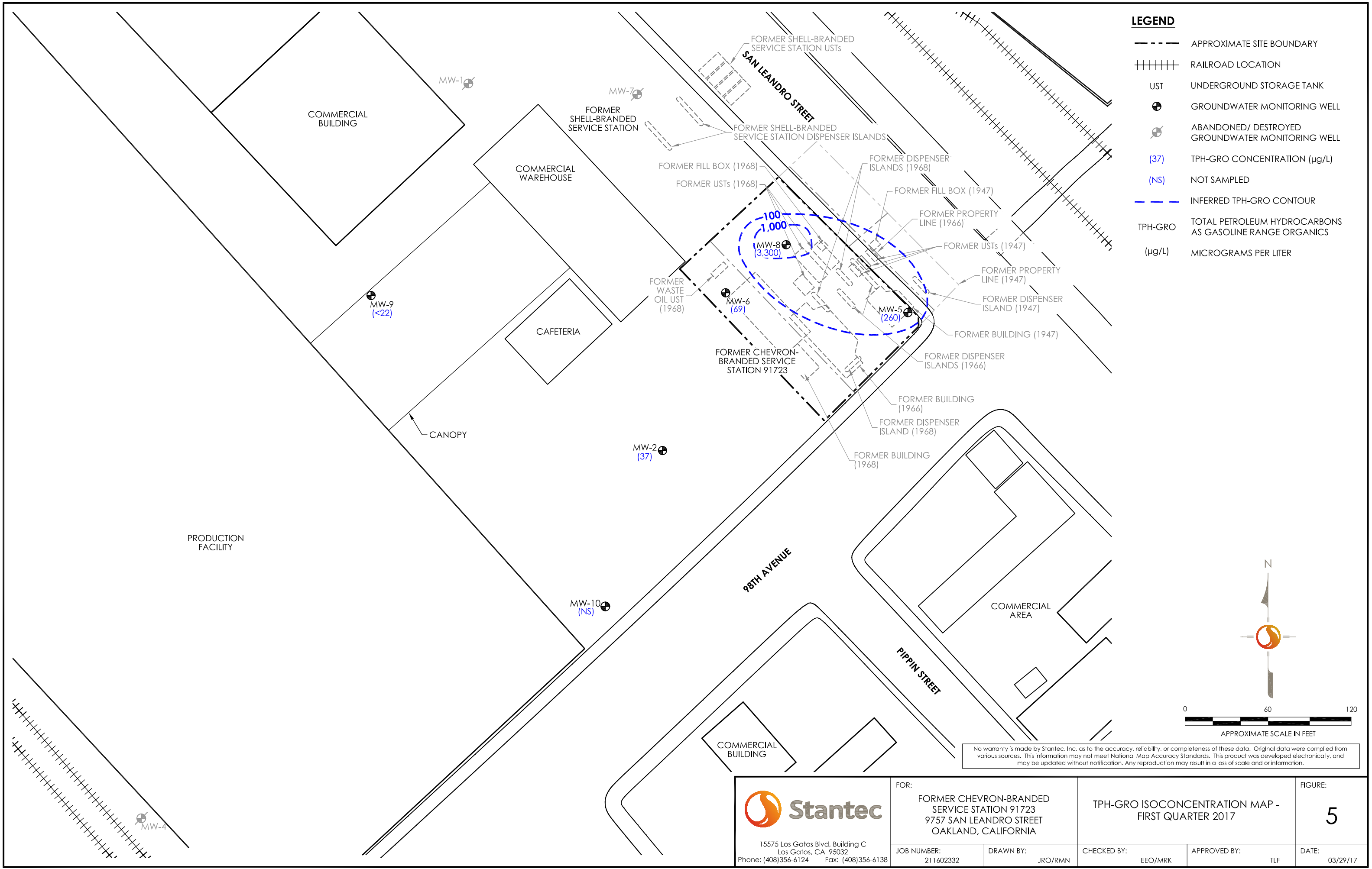
- TPH-GRO — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- TPH-DRO — TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS
- B — BENZENE
- T — TOLUENE
- E — ETHYLBENZENE
- X — TOTAL XYLENES
- TDS — TOTAL DISSOLVED SOLIDS

µg/L = MICROGRAMS PER LITER

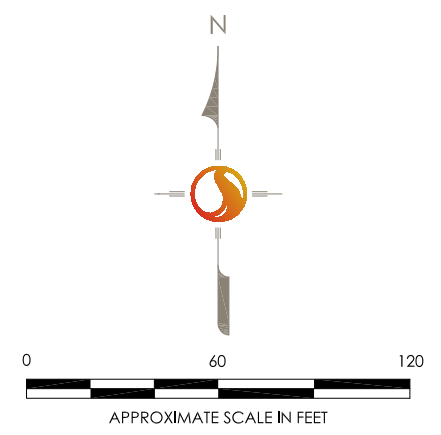


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 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - FIRST QUARTER 2017		FIGURE: 4
	JOB NUMBER: 211602332	DRAWN BY: JRO/RMN	CHECKED BY: EEO/MRK	APPROVED BY: TLF

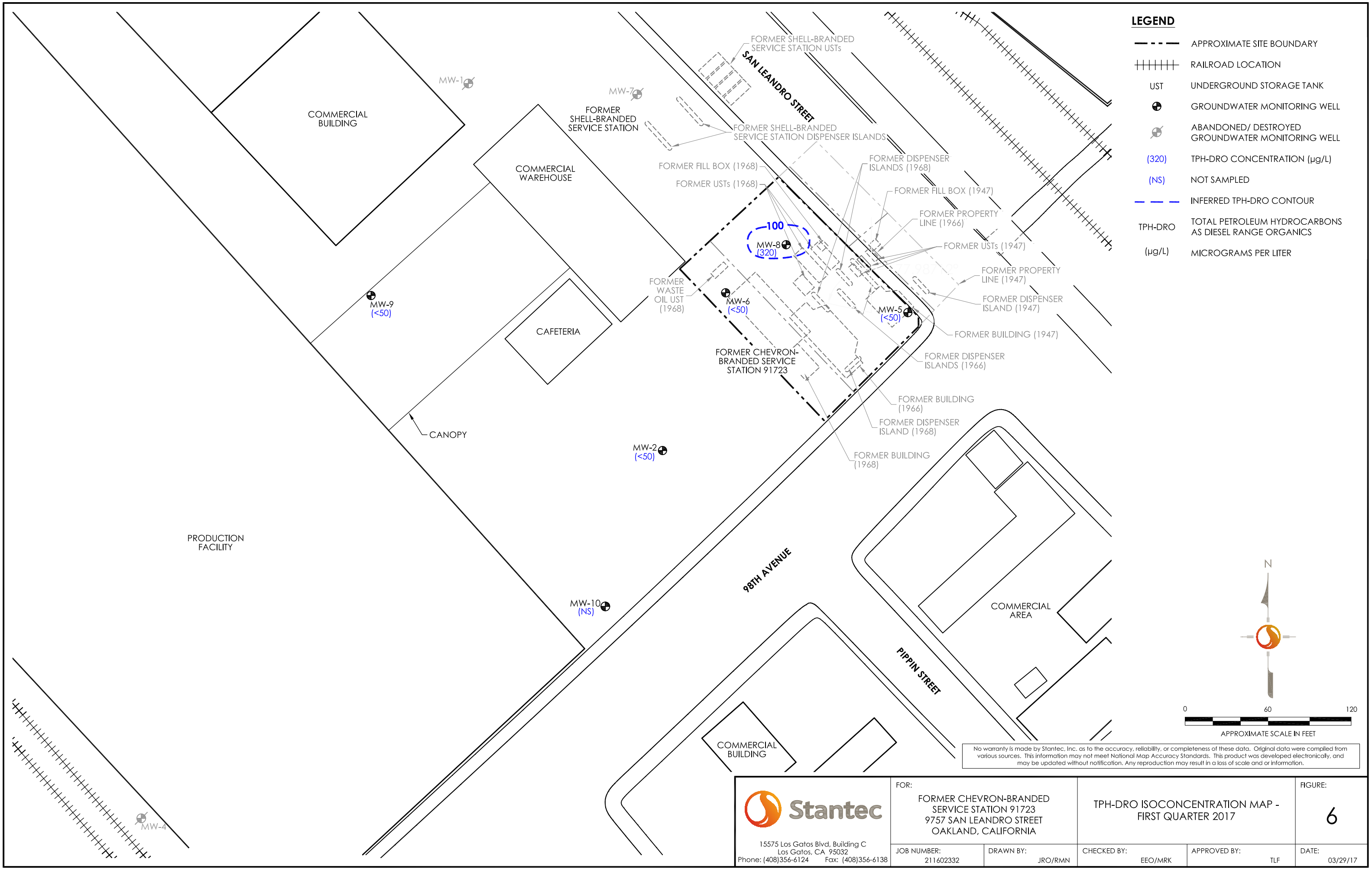


- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - ++++ RAILROAD LOCATION
 - UST UNDERGROUND STORAGE TANK
 - ⊕ GROUNDWATER MONITORING WELL
 - ⊕ ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
 - (37) TPH-GRO CONCENTRATION (µg/L)
 - (NS) NOT SAMPLED
 - INFERRED TPH-GRO CONTOUR
 - TPH-GRO TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS (µg/L)

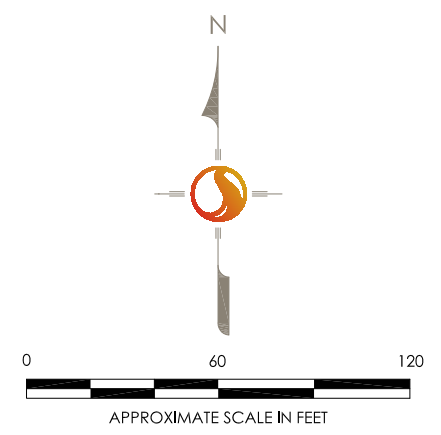


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 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	TPH-GRO ISOCONCENTRATION MAP - FIRST QUARTER 2017		FIGURE: 5
	JOB NUMBER: 211602332	DRAWN BY: JRO/RMN	CHECKED BY: EEO/MRK	APPROVED BY: TLF
			DATE: 03/29/17	

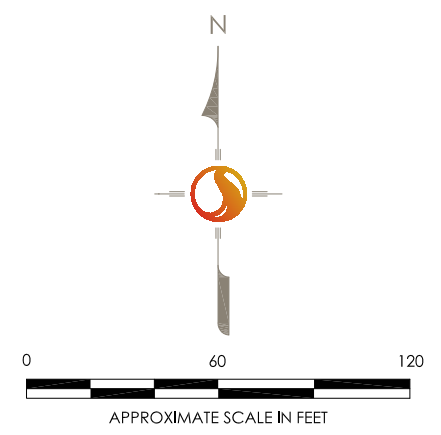
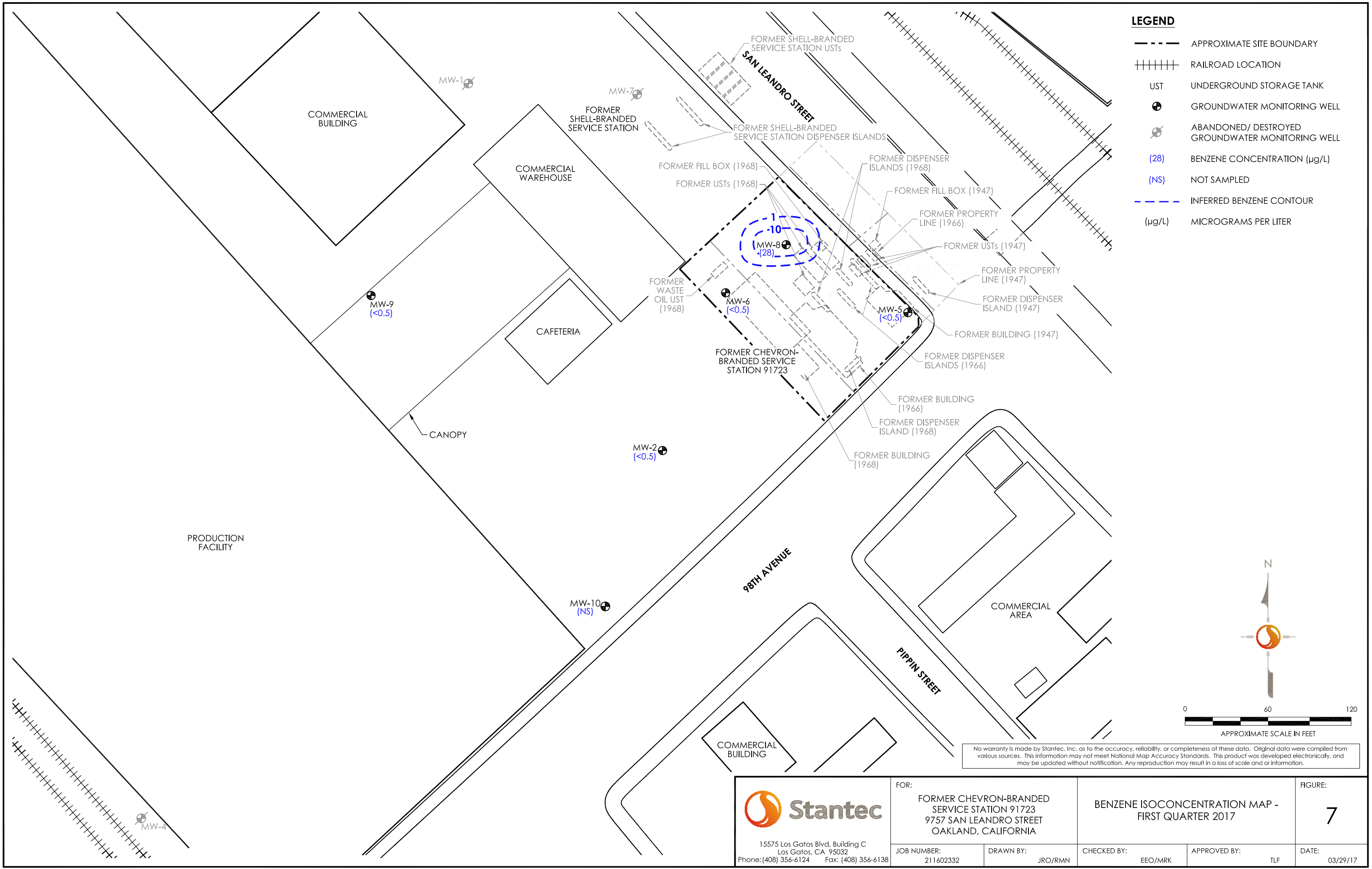


- LEGEND**
- APPROXIMATE SITE BOUNDARY
 - ++++ RAILROAD LOCATION
 - UST
 - ⊕ GROUNDWATER MONITORING WELL
 - ⊖ ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
 - (320) TPH-DRO CONCENTRATION (µg/L)
 - (NS) NOT SAMPLED
 - - - - INFERRED TPH-DRO CONTOUR
 - TPH-DRO TOTAL PETROLEUM HYDROCARBONS AS DIESEL RANGE ORGANICS (µg/L)



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 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408)356-6124 Fax: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	TPH-DRO ISOCONCENTRATION MAP - FIRST QUARTER 2017		FIGURE: 6
	JOB NUMBER: 211602332	DRAWN BY: JRO/RMN	CHECKED BY: EEO/MRK	APPROVED BY: TLF



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<p>15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 Phone: (408) 356-6124 Fax: (408) 356-6138</p>	FOR:	BENZENE ISOCONCENTRATION MAP -		FIGURE:
	FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	FIRST QUARTER 2017		7
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602332	JRO/RMN	EEO/MRK	TLF	03/29/17

ATTACHMENT A

**Gettler-Ryan Inc. Field Data Sheets and Standard
Operating Procedures – First Quarter 2017**



GETTLER-RYAN INC.



TRANSMITTAL

March 8, 2017
G-R# 17156496

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: **Former Chevron Station**
SS# 9-1723
9757 San Leandro Street.
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Report First Semi Annual Event of February 27, 2017

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.

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #9-1723
Site Address: 9757 San Leandro Street
City: Oakland, CA

Job #: 17156496
Event Date: 2/27/17
Sampler: G. MEDINA

WELL ID	Vault Frame Condition	Gasket/O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-2	OK							NO	NO	MORRISON / 12 / 2	
MW-6	OK	NA	OK		OK					DIVERSIFIED / 12 / 6	
MW-5	OK	NA			OK					CHRISSEY / 12 / 6	
MW-8	OK									EMCO / 12 / 2	
MW-9	OK	NA			OK					GENERIC (2 HOLES) / 12 / 6	

Comments _____

STANDARD OPERATING PROCEDURE GROUNDWATER SAMPLING

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

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

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

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

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

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

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



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-1723
 Site Address: 9757 San Leandro Street
 City: Oakland, CA

Job Number: 17156496
 Event Date: 2/27/17 (inclusive)
 Sampler: GM

Well ID: MW-2
 Well Diameter: (2)4 in.
 Total Depth: 21.89 ft.
 Depth to Water: 7.17 ft.
14.72 xVF 0.17 = 2.50

Date Monitored: 2/27/17

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.05

Purge Equipment:

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

Sampling Equipment:

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

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	<u>Ø</u> 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): 0640 Weather Conditions: COLD
 Sample Time/Date: 0720 / 2/27/17 Water Color: TAN Odor: Y(N)
 Approx. Flow Rate: - gpm. Sediment Description: SILT
 Did well de-water? NO If yes, Time: - Volume: - gal. DTW @ Sampling: 9.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>0645</u>	<u>3</u>	<u>7.19</u>	<u>860</u>	<u>17.9</u>	_____	_____
<u>0652</u>	<u>6</u>	<u>7.16</u>	<u>854</u>	<u>17.6</u>	_____	_____
<u>0700</u>	<u>8</u>	<u>7.14</u>	<u>849</u>	<u>17.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>TPH-GRO GC/MS/BTEX(8260B)</u>
	<u>2 x 500ml ambers</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TPH-DRO w/sgc COLUMN</u>
	<u>1x 500ml poly</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TOTAL DISSOLVED SOLIDS</u>

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 #9-1723
 Site Address: 9757 San Leandro Street
 City: Oakland, CA

Job Number: 17156496
 Event Date: 2/27/17 (inclusive)
 Sampler: GM

Well ID: MW-5
 Well Diameter: 214 in.
 Total Depth: 17.60 ft.
 Depth to Water: 7.00 ft.
10.60 xVF 0.17 = 1.80

Date Monitored: 2/27/17

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 5.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.12

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:	<u>Ø</u> 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): 0830 Weather Conditions: SUNNY
 Sample Time/Date: 0910 / 2/27/17 Water Color: TAN Odor: YIN MODERATE
 Approx. Flow Rate: - gpm. Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.74

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0835</u>	<u>2</u>	<u>7.20</u>	<u>949</u>	<u>17.2</u>	_____	_____
<u>0840</u>	<u>4</u>	<u>7.19</u>	<u>944</u>	<u>17.1</u>	_____	_____
<u>0845</u>	<u>5.5</u>	<u>7.16</u>	<u>940</u>	<u>17.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>TPH-GRO GC/MS/BTEX(8260B)</u>
	<u>2 x 500ml ambers</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TPH-DRO w/sgc COLUMN</u>
	<u>1 x 500ml poly</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TOTAL DISSOLVED SOLIDS</u>

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 #9-1723
 Site Address: 9757 San Leandro Street
 City: Oakland, CA

Job Number: 17156496
 Event Date: 2/27/17 (inclusive)
 Sampler: GM

Well ID: MW-6
 Well Diameter: 2.4 in.
 Total Depth: 19.55 ft.
 Depth to Water: 7.18 ft.
12.37 xVF 0.17 = 2.10

Date Monitored: 2/27/17

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 6.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.65

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): 0735 Weather Conditions: SUNNY / COLD
 Sample Time/Date: 0815 / 2/27/17 Water Color: TAN Odor: (Y) N SLIGHT
 Approx. Flow Rate: _____ gpm. Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.72

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS (µmhos/cm)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)
<u>0739</u>	<u>2.25</u>	<u>7.09</u>	<u>855</u>	<u>17.9</u>	_____	_____
<u>0744</u>	<u>4.5</u>	<u>7.07</u>	<u>851</u>	<u>17.7</u>	_____	_____
<u>0750</u>	<u>6.5</u>	<u>7.04</u>	<u>848</u>	<u>17.6</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>3 x vva vial</u>	YES	HCL	EUROFINS	TPH-GRO GC/MS/BTEX(8260B)
	<u>2 x 500ml ambers</u>	YES	NP	EUROFINS	TPH-DRO w/sgc COLUMN
	<u>1 x 500ml poly</u>	YES	NP	EUROFINS	TOTAL DISSOLVED SOLIDS

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 #9-1723
 Site Address: 9757 San Leandro Street
 City: Oakland, CA

Job Number: 17156496
 Event Date: 2/27/17 (inclusive)
 Sampler: GM

Well ID: MW-8
 Well Diameter: (2) 4 in.
 Total Depth: 18.28 ft.
 Depth to Water: 7.38 ft.
10.90 xVF 0.17 = 1.85

Date Monitored: 2/27/17

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

Check if water column is less than 0.50 ft.

x3 case volume = Estimated Purge Volume: 6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.56

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): 1005 Weather Conditions: SUNNY
 Sample Time/Date: 1050 / 2/27/17 Water Color: TAN Odor: Ø MODERATE
 Approx. Flow Rate: _____ gpm. Sediment Description: SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.9

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) (mS) (µmhos/cm)	Temperature (C) (F)	D.O. (mg/L)	ORP (mV)
<u>1010</u>	<u>2</u>	<u>6.92</u>	<u>811</u>	<u>17.4</u>	_____	_____
<u>1015</u>	<u>4</u>	<u>6.86</u>	<u>804</u>	<u>17.2</u>	_____	_____
<u>1020</u>	<u>6</u>	<u>6.84</u>	<u>802</u>	<u>17.0</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-8</u>	<u>3</u> x voa vial	YES	HCL	EUROFINS	TPH-GRO GC/MS/BTEX(8260B)
	<u>2</u> x 500ml ambers	YES	NP	EUROFINS	TPH-DRO w/sgc COLUMN
	<u>1</u> x 500ml poly	YES	NP	EUROFINS	TOTAL DISSOLVED SOLIDS

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 #9-1723
 Site Address: 9757 San Leandro Street
 City: Oakland, CA

Job Number: 17156496
 Event Date: 2/27/17 (inclusive)
 Sampler: GM

Well ID: MW-9
 Well Diameter: 2 1/4 in.
 Total Depth: 20.20 ft.
 Depth to Water: 6.72 ft.
13.48 xVF 0.66 = 8.89

Date Monitored: 2/27/17

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

Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: 27 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.41

Purge Equipment:
 Disposable Bailer _____
 Stainless Steel Bailer _____
 Stack Pump X
 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): 0542 Weather Conditions: COLD
 Sample Time/Date: 0625/2/27/17 Water Color: CLEAR Odor: Y (N)
 Approx. Flow Rate: 2 gpm. Sediment Description: SL SILT
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 9.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/cm)	Temperature (°/ F)	D.O. (mg/L)	ORP (mV)
<u>0547</u>	<u>10</u>	<u>7.24</u>	<u>916</u>	<u>14.2</u>		
<u>0552</u>	<u>20</u>	<u>7.20</u>	<u>911</u>	<u>14.1</u>		
<u>0556</u>	<u>28</u>	<u>7.18</u>	<u>905</u>	<u>14.0</u>		

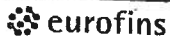
LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>EUROFINS</u>	<u>TPH-GRO GC/MS/BTEX(8260B)</u>
	<u>2 x 500ml ambers</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TPH-DRO w/sgc COLUMN</u>
	<u>1 x 500ml poly</u>	<u>YES</u>	<u>NP</u>	<u>EUROFINS</u>	<u>TOTAL DISSOLVED SOLIDS</u>

COMMENTS: _____

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

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10906
022817-01

For Eurofins Lancaster Laboratories Environmental use only
 Group # 1771273 Sample # 8859835-40
 Instructions on reverse side correspond with circled numbers.

Client Information				Matrix			Analyses Requested										SCR #:			
Facility # SS#9-1723-OML WBS G-R#17156496 Global ID#T0600101789 Site Address 9757 SAN LEANDRO STREET, OAKLAND, 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				Sediment <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air <input type="checkbox"/> Oil <input type="checkbox"/>			Total Number of Containers BTEX 8021 8021 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-GRO 8015 <input type="checkbox"/> 8260 <input type="checkbox"/> TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method TPH-GRO GC/MS/BTEX 8260 TOTAL DISSOLVED SOLIDS													
Sample Identification	Soil Depth	Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	TPH-GRO GC/MS/BTEX 8260	TOTAL DISSOLVED SOLIDS	Remarks
QA		170227		X					2									X		
MW-2			0720						6				X							
MW-5			0910																	
MW-6			0815																	
MW-8			1050																	
MW-9			0625																	

Turnaround Time Requested (TAT) (please circle) Standard 5 day 4 day 72 hour 48 hour 24 hour	Relinquished by	Date	Time	Received by	Date	Time
	<i>[Signature]</i>	2/28/17	0600	GR Fridge		
	Relinquished by	Date	Time	Received by	Date	Time
	<i>[Signature]</i>	2/28/17	1213	<i>[Signature]</i>	2/28/17	1215
Data Package (circle if required) EDF/EDD Type I - Full Type VI (Raw Data)	Relinquished by	Date	Time	Received by	Date	Time
	<i>[Signature]</i>	28 FEB 17	1630	FX		
EDD (circle if required) EDFFLAT (default) Other:	Relinquished by Commercial Carrier:	UPS FedEx <input checked="" type="checkbox"/> Other		Received by	Date	Time
				<i>[Signature]</i>	3-1-17	1200
Temperature Upon Receipt (1, 2, 2.0 °C)				Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

ATTACHMENT B
Historical Groundwater Data

Table 2. Summary of Chemical Results from Ground-water Samples

WELL NUMBER	SAMPLING DATE	TPH	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES, TOTAL	OTHER DETECTABLE VOLATILE COMPOUNDS			
		(GASOLINE) mg/l	ug/l	ug/l	ug/l	ug/l	1,1-DCE ug/l	1,1-DCA ug/l	1,1,1-TCA ug/l	1,2-DCA ug/l
MW-1	18-Apr-87	NT	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	61	9.5	93.1	0.5
	03-Jun-88	NT	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	8	40	ND(5)
	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	47	9	21	ND(1)
MW-2	18-Apr-87	NT	76.9	121	93.4	477	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
	03-Jun-88	NT	64	18	48	60	ND(5)	ND(5)	ND(5)	ND(5)
	08-Aug-89	1.1	48	9	33	55	ND(1)	ND(1)	ND(1)	ND(1)
MW-4	18-Apr-87	NT	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.2)	ND(0.5)	ND(0.5)	ND(0.5)
	03-Jun-88	NT	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
MW-5	03-Jun-88	NT	93	ND(5)	100	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
	08-Aug-89	ND(0.05)	49	8	15	63	ND(1)	ND(1)	ND(1)	ND(1)
MW-6	03-Jun-88	NT	110	140	35	210	ND(5)	ND(5)	ND(5)	ND(5)
	08-Aug-89	1.0	45	8	15	74	ND(1)	ND(1)	ND(1)	ND(1)
MW-7	03-Jun-88	NT	ND(5)	ND(5)	ND(5)	ND(5)	25	5	18	ND(5)
	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	39	8	13	ND(1)
MW-8	03-Jun-88	NT	2300	2000	950	4100	ND(5)	ND(5)	ND(5)	ND(5)
	08-Aug-89	77	1900	820	1000	3600	ND(1)	ND(1)	ND(1)	ND(1)
MW-9	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(1)	ND(1)
MW-10	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Field	03-Jun-88	NT	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Blank	08-Aug-89	ND(0.05)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

NOTES:

mg/l: milligrams per liter (equivalent to parts per million)

ug/l: micrograms per liter (equivalent to parts per billion)

NT: Not Tested

ND: Not detected; Limit of detection indicated in parenthesis

1,1-DCE: 1,1-Dichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1,1-TCA: 1,1,1-Trichloroethane

1,2-DCA: 1,2-Dichloroethane

Volatile Organics in Water by EPA Method 624
 Total Petroleum Hydrocarbons (TPH) as Gasoline
 in Aqueous Solutions by EPA Method 8015 (Modified)
 Extraction by EPA Method 5030, Purge and Trap

April 18, 1987 Results from Beta Associates (1987)

June 3, 1988 Results from Groundwater Technology (1988)

August 8, 1989 Results from Curtis & Tompkins, Ltd.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
------	-----------------	--------------------	----------------	-------	--------------	---------	---------	---------------	--------	------	------

MW-1

11/02/93	20.92	10.68	10.24	--	--	--	--	--	--	--	--
02/10/94	20.92	--	--	--	--	--	--	--	--	--	--
05/12/94	20.92	--	--	--	--	--	--	--	--	--	--
08/26/94	20.92	--	--	--	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

MW-2

11/02/93	21.31	10.83	10.48	--	--	--	--	--	--	--	--
02/10/94	21.31	--	--	--	--	--	--	--	--	--	--
05/12/94	21.31	11.94	9.37	--	390	6.8	2.0	6.3	14	--	--
08/26/94	21.31	--	--	Sampled biannually	--	--	--	--	--	--	--
02/01/95	21.31	13.76	7.55	--	78	10	1.2	<0.5	0.51	--	--
08/02/95	21.31	11.53	9.78	--	100	3.5	<0.5	2.6	4.1	--	--
01/31/96	21.31	14.38	6.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
08/01/96	21.31	11.49	9.82	--	73	<0.5	<0.5	<0.5	<0.5	--	610
12/17/96	21.31	12.75	8.56	--	--	--	--	--	--	--	--
02/20/97	21.31	12.30	9.01	--	280	6.7	0.56	1.5	2.9	--	11
05/02/97	21.31	11.78	9.53	--	--	--	--	--	--	--	--
07/23/97	21.31	11.23	10.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
02/04/98	21.31	16.06	5.25	--	<50	1.1	<0.5	<0.5	<0.5	--	5.6
07/17/98	21.31	11.71	9.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5

MW-4

11/02/93	--	--	10.23	--	--	--	--	--	--	--	--
02/10/94	--	--	--	--	--	--	--	--	--	--	--
05/12/94	--	--	--	--	--	--	--	--	--	--	--
08/26/94	--	--	--	--	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
MW-5											
11/02/93	21.84	11.15	10.69	--	790	43	3.4	22	12	<400	--
02/10/94	21.84	13.10	8.74	--	1400	52	3.0	50	40	--	--
05/12/94	21.84	12.40	9.44	--	1800	87	6.2	77	66	--	--
08/26/94	21.84	--	--	--	--	--	--	--	--	--	--
11/11/94	21.84	13.50	8.34	--	380	18	<1.0	18	11	--	--
02/01/95	21.84	14.32	7.52	--	570	36	0.59	21	11	--	--
05/18/95	21.84	12.87	8.97	--	590	29	1.0	16	9.8	--	--
08/02/95	21.84	11.98	9.86	--	210	9.2	<0.5	4.0	1.2	--	--
11/01/95	21.84	11.58	10.26	--	210	5.6	<0.5	1.9	<0.5	--	<2.5
01/31/96	21.84	14.72	7.12	--	1200	50	<5.0	19	29	--	<25
05/16/96	21.84	14.22	7.62	--	440	14	<0.5	17	8.6	--	11
08/01/96	21.84	11.86	9.98	--	58	1.4	<0.5	<0.5	<0.5	--	2.5
12/17/96	21.84	13.13	8.71	--	300	9.7	<0.5	11	6.3	--	6.9
02/20/97	21.84	12.81	9.03	--	350	6.7	<0.5	4.3	1.9	--	5.0
05/02/97	21.84	12.50	9.34	--	270	4.8	<0.5	3.5	1.3	--	7.3
07/23/97	21.84	11.70	10.14	--	290	3.4	<0.5	<0.5	<0.5	--	3.1
11/04/97	21.84	11.69	10.15	--	180	3.8	<0.5	1.5	<0.5	--	8.6
02/04/98	21.84	16.54	5.30	--	140	4.3	<0.5	8.5	<0.5	--	<2.5
05/01/98	21.84	12.77	9.07	--	1200	19	<1.0	9.7	1.7	--	25
07/17/98	21.84	12.19	9.65	--	900	3.6	<2.0	12	2.6	--	11

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
MW-6											
11/02/93	21.71	10.93	10.78	--	300	19	1.8	2.5	5.0	<400	--
02/10/94	21.71	12.86	8.85	--	200	10	0.9	2.0	4.0	--	--
05/12/94	21.71	12.08	9.63	--	210	10	1.1	1.2	3.1	--	--
08/26/94	21.71	10.82	10.89	--	310	16	1.4	2.3	7.1	--	--
11/11/94	21.71	13.25	8.46	--	<50	1.3	<0.5	<0.5	1.0	--	--
02/01/95	21.71	14.02	7.69	--	<50	1.9	<0.5	<0.5	0.51	--	--
05/18/95	21.71	12.43	9.28	--	<50	8.2	<0.5	<0.5	<0.5	--	--
08/02/95	21.71	11.64	10.07	--	<50	2.3	<0.5	<0.5	<0.5	--	--
11/01/95	21.71	11.31	10.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
01/31/96	21.71	13.63	8.08	--	<50	0.98	<0.5	<0.5	<0.5	--	<2.5
05/16/96	21.71	13.91	7.80	--	<50	1.6	<0.5	<0.5	<0.5	--	<2.5
08/01/96	21.71	11.56	10.15	--	<50	0.82	<0.5	<0.5	<0.5	--	<2.5
12/17/96	21.71	13.26	8.45	--	63	2.6	<0.5	<0.5	<0.5	--	<2.5
02/20/97	21.71	--	--	Inaccessible	--	--	--	--	--	--	--
05/02/97	21.71	--	--	Inaccessible	--	--	--	--	--	--	--
05/29/97	21.71	11.72	9.99	--	120	1.8	<0.5	<0.5	<0.5	--	2.6
07/23/97	21.71	11.31	10.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
11/04/97	21.71	11.38	10.33	--	63	1.2	<0.5	<0.5	<0.5	--	<2.5
02/04/98	21.71	16.19	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
05/01/98	21.71	12.40	9.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
07/17/98	21.71	11.84	9.87	--	<50	1.0	<0.5	<0.5	<0.5	--	<2.5

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
MW-7											
11/02/93	20.95	10.88	10.07	--	--	--	--	--	--	--	--
02/10/94	20.95	--	--	--	--	--	--	--	--	--	--
05/12/94	20.95	--	--	--	--	--	--	--	--	--	--
08/26/94	20.95	--	--	--	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

MW-8

11/02/93	21.84	11.02	10.82	--	15,000	2000	440	420	1400	<400	--
02/10/94	21.84	12.97	8.87	--	6500	1200	380	250	7900	--	--
05/12/94	21.84	12.19	9.65	--	30,000	1400	2900	800	3800	--	--
08/26/94	21.84	10.90	10.94	--	17,000	720	200	330	930	--	--
11/11/94	21.84	13.38	8.46	--	6800	250	170	190	650	--	--
02/01/95	21.84	14.36	7.48	--	330	68	2.8	2.7	4.3	--	--
05/18/95	21.84	12.54	9.30	--	540	120	12	11	23	--	--
08/02/95	21.84	11.73	10.11	--	1100	150	9.7	20	40	--	--
11/01/95	21.84	11.36	10.48	--	1700	120	15	16	39	--	<5.0
01/31/96	21.84	14.64	7.20	--	57	5.3	<0.5	<0.5	<0.5	--	<2.5
05/16/96	21.84	13.99	7.85	--	2100	260	43	56	130	--	64
08/01/96	21.84	11.59	10.25	--	1100	45	0.92	8.9	25	--	7.4
12/17/96	21.84	12.95	8.89	--	2000	280	30	51	88	--	22
02/20/97	21.84	--	--	Inaccessible	--	--	--	--	--	--	--
05/02/97	21.84	--	--	Inaccessible	--	--	--	--	--	--	--
05/29/97	21.84	11.79	10.05	--	3400	280	31	53	120	--	<50
07/23/97	21.84	11.48	10.36	--	760	20	2.2	2.6	5.0	--	9.7
11/04/97	21.84	11.49	10.35	--	1100	150	13	22	39	--	49
02/04/98	21.84	16.29	5.55	--	270	6.8	<0.5	3.3	<0.5	--	<2.5
05/01/98	21.84	12.62	9.22	--	190	5.3	<0.5	<0.5	0.75	--	2.8
07/17/98	21.84	11.89	9.95	--	1400	210	20	24	54	--	<25

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
MW-9											
11/02/93	20.55	10.53	10.02	--	--	--	--	--	--	--	--
02/10/94	20.55	--	--	--	--	--	--	--	--	--	--
05/12/94	20.55	11.60	8.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	20.55	--	--	Sampled biannually	--	--	--	--	--	--	--
02/01/95	20.55	13.35	7.20	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/02/95	20.55	11.22	9.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/96	20.55	14.10	6.45	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
08/01/96	20.55	11.20	9.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
12/17/96	20.55	12.29	8.26	--	--	--	--	--	--	--	--
02/20/97	20.55	12.09	8.46	--	55*	1.1	<0.5	<0.5	<0.5	--	<2.5
05/02/97	20.55	11.45	9.10	--	--	--	--	--	--	--	--
07/23/97	20.55	10.95	9.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
02/04/98	20.55	15.51	5.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
07/17/98	20.55	11.37	9.18	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
MW-10											
11/02/93	21.25	10.93	10.32	--	--	--	--	--	--	--	--
02/10/94	21.25	--	--	--	--	--	--	--	--	--	--
05/12/94	21.25	--	--	--	--	--	--	--	--	--	--
08/26/94	21.25	--	--	--	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

* Chromatogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	Lead	MTBE
TRIP BLANK											
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/18/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/02/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
05/16/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
08/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
05/02/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
02/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
05/01/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
07/17/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
Earlier field data and analytical results are drawn from the September 14, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl t-Butyl Ether

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

Report Date: March 17, 2017

Project: 91723

Submittal Date: 03/01/2017
Group Number: 1771273
PO Number: 0015235605
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description

	Lancaster Labs (LL) #
QA-T-170227 NA Water	8859835
MW-2-W-170227 Grab Groundwater	8859836
MW-5-W-170227 Grab Groundwater	8859837
MW-6-W-170227 Grab Groundwater	8859838
MW-8-W-170227 Grab Groundwater	8859839
MW-9-W-170227 Grab Groundwater	8859840

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 current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To	Stantec	Attn: Marisa Kaffenberger
Electronic Copy To	Stantec	Attn: Erin O'Malley
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-170227 NA Water
 Facility# 91723 Job# 17156496 GRD
 9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859835
 LL Group # 1771273
 Account # 10906

Project Name: 91723

Collected: 02/27/2017

Chevron

Submitted: 03/01/2017 12:00

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Reported: 03/17/2017 10:26

SLOQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles SW-846 8260B ug/l					
10945	Benzene	71-43-2	N.D.	0.5	1
10945	C6-C12-TPH-GRO	n.a.	N.D.	22	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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/07/2017 21:54	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/07/2017 21:54	Hu Yang	1

Sample Description: MW-2-W-170227 Grab Groundwater
Facility# 91723 Job# 17156496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859836
LL Group # 1771273
Account # 10906

Project Name: 91723

Collected: 02/27/2017 07:20 by GM

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/01/2017 12:00

Reported: 03/17/2017 10:26

SLO02

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	C6-C12-TPH-GRO	n.a.	37	22	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 Petroleum		SW-846 8015B	ug/l	ug/l	
Hydrocarbons w/Si					
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry		SM 2540 C-1997	ug/l	ug/l	
06649	Total Dissolved Solids	n.a.	521,000	19,400	1

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/08/2017 00:48	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/08/2017 00:48	Hu Yang	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	170630014A	03/10/2017 02:21	Amy Lehr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	170630014A	03/06/2017 09:00	Bradley W VanLeuven	1
06649	Total Dissolved Solids	SM 2540 C-1997	1	17061664901A	03/02/2017 14:32	Leroy C Poole	1

Sample Description: MW-5-W-170227 Grab Groundwater
 Facility# 91723 Job# 17156496 GRD
 9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859837
 LL Group # 1771273
 Account # 10906

Project Name: 91723

Collected: 02/27/2017 09:10 by GM

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2017 12:00

Reported: 03/17/2017 10:26

SLO05

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	C6-C12-TPH-GRO	n.a.	260	22	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 Petroleum		SW-846 8015B	ug/l	ug/l	
Hydrocarbons w/Si					
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
	The reverse surrogate, capric acid, is present at <1%.				
Wet Chemistry		SM 2540 C-1997	ug/l	ug/l	
06649	Total Dissolved Solids	n.a.	575,000	19,400	1

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/08/2017 01:10	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/08/2017 01:10	Hu Yang	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	170630014A	03/10/2017 02:42	Amy Lehr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	170630014A	03/06/2017 09:00	Bradley W VanLeuven	1
06649	Total Dissolved Solids	SM 2540 C-1997	1	17061664901A	03/02/2017 14:32	Leroy C Poole	1

Sample Description: MW-6-W-170227 Grab Groundwater
Facility# 91723 Job# 17156496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859838
LL Group # 1771273
Account # 10906

Project Name: 91723

Collected: 02/27/2017 08:15 by GM

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/01/2017 12:00

Reported: 03/17/2017 10:26

SLO06

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	C6-C12-TPH-GRO	n.a.	69	22	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 Petroleum		SW-846 8015B	ug/l	ug/l	
Hydrocarbons w/Si					
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry		SM 2540 C-1997	ug/l	ug/l	
06649	Total Dissolved Solids	n.a.	510,000	19,400	1

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/08/2017 01:32	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/08/2017 01:32	Hu Yang	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	170630014A	03/10/2017 03:04	Amy Lehr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	170630014A	03/06/2017 09:00	Bradley W VanLeuven	1
06649	Total Dissolved Solids	SM 2540 C-1997	1	17061664901A	03/02/2017 14:32	Leroy C Poole	1

Sample Description: MW-8-W-170227 Grab Groundwater
Facility# 91723 Job# 17156496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859839
LL Group # 1771273
Account # 10906

Project Name: 91723

Collected: 02/27/2017 10:50 by GM

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/01/2017 12:00

Reported: 03/17/2017 10:26

SLO08

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	28	0.5	1
10945	C6-C12-TPH-GRO	n.a.	3,300	22	1
10945	Ethylbenzene	100-41-4	7	0.5	1
10945	Toluene	108-88-3	2	0.5	1
10945	Xylene (Total)	1330-20-7	7	0.5	1
GC Petroleum Hydrocarbons w/Si		SW-846 8015B	ug/l	ug/l	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	320	50	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry		SM 2540 C-1997	ug/l	ug/l	
06649	Total Dissolved Solids	n.a.	492,000	19,400	1

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/08/2017 01:54	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/08/2017 01:54	Hu Yang	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	170630014A	03/10/2017 03:25	Amy Lehr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	170630014A	03/06/2017 09:00	Bradley W VanLeuven	1
06649	Total Dissolved Solids	SM 2540 C-1997	1	17061664901A	03/02/2017 14:32	Leroy C Poole	1

Sample Description: MW-9-W-170227 Grab Groundwater
 Facility# 91723 Job# 17156496 GRD
 9757 San Leandro-Oakland T0600101789

LL Sample # WW 8859840
 LL Group # 1771273
 Account # 10906

Project Name: 91723

Collected: 02/27/2017 06:25 by GM

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2017 12:00

Reported: 03/17/2017 10:26

SLO09

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	C6-C12-TPH-GRO	n.a.	N.D.	22	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 Petroleum		SW-846 8015B	ug/l	ug/l	
Hydrocarbons w/Si					
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	1
The reverse surrogate, capric acid, is present at <1%.					
Wet Chemistry		SM 2540 C-1997	ug/l	ug/l	
06649	Total Dissolved Solids	n.a.	545,000	19,400	1

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F170661AA	03/08/2017 02:16	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F170661AA	03/08/2017 02:16	Hu Yang	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	170630014A	03/10/2017 03:46	Amy Lehr	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	170630014A	03/06/2017 09:00	Bradley W VanLeuven	1
06649	Total Dissolved Solids	SM 2540 C-1997	1	17061664901A	03/02/2017 14:32	Leroy C Poole	1

Quality Control Summary

Client Name: Chevron
Reported: 03/17/2017 10:26

Group Number: 1771273

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.

Method Blank

Analysis Name	Result	MDL
	ug/l	ug/l
Batch number: F170661AA	Sample number(s): 8859835-8859840	
Benzene	N.D.	0.5
C6-C12-TPH-GRO	N.D.	22
Ethylbenzene	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 170630014A	Sample number(s): 8859836-8859840	
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32
Batch number: 17061664901A	Sample number(s): 8859836-8859840	
Total Dissolved Solids	10,000	9,700

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F170661AA	Sample number(s): 8859835-8859840								
Benzene	20	18.73	20	18.86	94	94	78-120	1	30
C6-C12-TPH-GRO	1000	1070.11	1000	1021.36	107	102	77-120	5	30
Ethylbenzene	20	18.29	20	18.62	91	93	78-120	2	30
Toluene	20	18.5	20	18.65	92	93	80-120	1	30
Xylene (Total)	60	55.06	60	55.2	92	92	80-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 170630014A	Sample number(s): 8859836-8859840								
TPH-DRO CA C10-C28 w/ Si Gel	1600	1065.22	1600	892.23	67	56	40-105	18	20
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17061664901A	Sample number(s): 8859836-8859840								
Total Dissolved Solids	200000	212000			106		62-127		

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/17/2017 10:26

Group Number: 1771273

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 17061664901A	Sample number(s): 8859836-8859840 UNSPK: P851863									
Total Dissolved Solids	184500	242400	453939.4			111		62-127		

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc ug/l	DUP Conc ug/l	DUP RPD	DUP RPD Max
Batch number: 17061664901A	Sample number(s): 8859836-8859840 BKG: P851863			
Total Dissolved Solids	184500	177000	4	5

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: 8260 BTEX+ GRO C6-C12
Batch number: F170661AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8859835	100	97	99	98
8859836	100	99	100	98
8859837	99	99	100	99
8859838	100	101	99	97
8859839	99	98	100	103
8859840	102	101	99	97
Blank	100	100	100	98
LCS	99	103	100	99
LCSD	100	102	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 170630014A

	Orthoterphenyl
8859836	67
8859837	65
8859838	67
8859839	68
8859840	69

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Reported: 03/17/2017 10:26

Group Number: 1771273

Surrogate Quality Control (continued)

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

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 170630014A

	Orthoterphenyl
Blank	60
LCS	79
LCSD	66

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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Chevron California Region Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

Acct. # 10906
022817-01

For Eurofins Lancaster Laboratories Environmental use only
Group # 1771273 Sample # 8859835-40
Instructions on reverse side correspond with circled numbers.

Client Information				Matrix			Analyses Requested										Remarks					
Facility # <u>SS#9-1723-OML G-R#17156496 Global ID#T0600101789</u>				<input type="checkbox"/> Sediment <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Air			Total Number of Containers BTEX 8021 8021 <input type="checkbox"/> 8260 TPH-GRO 8015 <input type="checkbox"/> 8260 TPH-DRO 8015 without Silica Gel Cleanup <input type="checkbox"/> TPH-DRO 8015 with Silica Gel Cleanup <input checked="" type="checkbox"/> <u>COLUMN</u> 8260 Full Scan Oxygenates Total Lead Method Dissolved Lead Method TPH-GRO GC/MS/BTEX 8260 TOTAL DISSOLVED SOLIDS										SCR #: _____					
Site Address <u>9757 SAN LEANDRO STREET, OAKLAND, CA</u>																						
Chevron PM <u>CM</u> STANTECTF Lead Consultant <u>Flora</u>																						
Consultant/Office <u>Getter-Ryan Inc., 6805 Sierra Court, Suite G, Dublin, CA 94568</u>																						
Consultant Project Mgr. <u>Deanna L. Harding, deanna@grinc.com</u>																						
Consultant Phone # <u>(925) 551-7444 x180</u>																						
Sampler <u>G. Medina</u>																						
Sample Identification		Soil Depth	Collected		Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX 8021 8021	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	TPH-GRO GC/MS/BTEX 8260	TOTAL DISSOLVED SOLIDS	Remarks	
			Date	Time																		
<u>QA</u>			<u>170227</u>	<u>---</u>	<u>X</u>				<u>2</u>													
<u>MW-2</u>				<u>0720</u>					<u>6</u>					<u>X</u>								
<u>MW-5</u>				<u>0910</u>																		
<u>MW-6</u>				<u>0815</u>																		
<u>MW-8</u>				<u>1050</u>																		
<u>MW-9</u>				<u>0625</u>																		
Turnaround Time Requested (TAT) (please circle)				Relinquished by			Date	Time	Received by		Date	Time										
<input checked="" type="radio"/> Standard 5 day 4 day				<u>[Signature]</u>			<u>2/25/17</u>	<u>0600</u>	<u>GR Fridge</u>													
72 hour 48 hour 24 hour				<u>[Signature]</u>			<u>2/28/17</u>	<u>1213</u>	<u>[Signature]</u>		<u>2/28/17</u>	<u>1215</u>										
Data Package (circle if required) EDF/EDD				Relinquished by			Date	Time	Received by		Date	Time										
Type I - Full Type VI (Raw Data)				<u>[Signature]</u>			<u>28 FEB 17</u>	<u>1638</u>	<u>FX</u>													
EDD (circle if required)				Relinquished by Commercial Carrier:			UPS _____ FedEx <input checked="" type="checkbox"/> Other _____		Received by		Date	Time										
EDFFLAT (default) Other: _____									<u>[Signature]</u>		<u>3-1-17</u>	<u>1200</u>										
Temperature Upon Receipt <u>(12-20)</u> °C										Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No												

Client: CA Office

Delivery and Receipt Information

Delivery Method:	<u>BASC</u>	Arrival Timestamp:	<u>03/01/2017 12:00</u>
Number of Packages:	<u>3</u>	Number of Projects:	<u>5</u>
State/Province of Origin:	<u>CA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Timothy Cubberley (6520) at 13:00 on 03/01/2017

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	2.0	DT	Wet	Y	Bagged	N
2	DT131	1.3	DT	Wet	Y	Bagged	N
3	DT131	1.2	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

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

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

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq 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...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

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, and ISO 17025) unless otherwise noted under the individual analysis.

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

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

This report shall not be reproduced except in full, without the written approval of the laboratory.

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

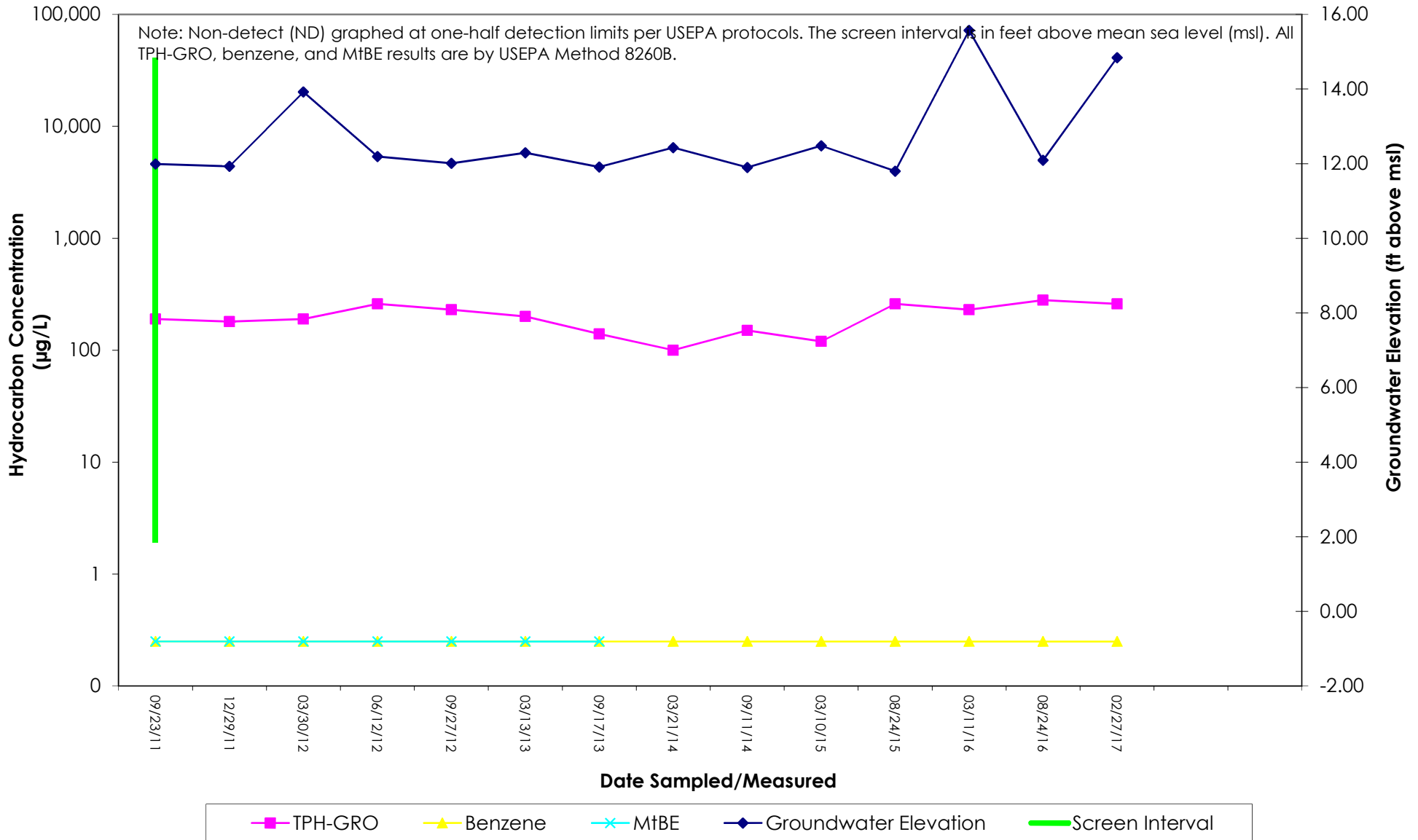
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ATTACHMENT D
Hydrographs

MW-2 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time
 Former Chevron-branded Service Station 91723
 9757 San Leandro Street
 Oakland, California



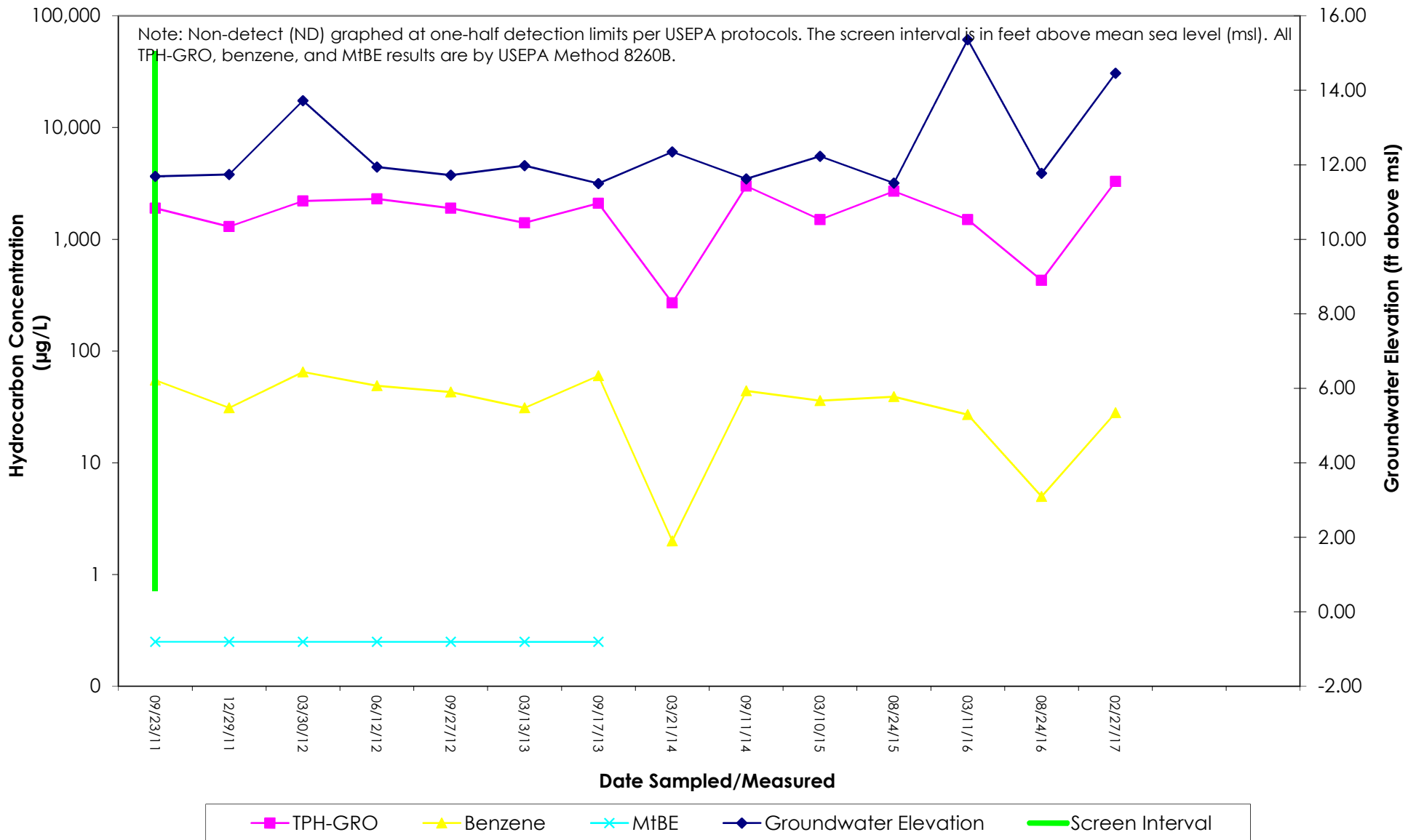
MW-5 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time
 Former Chevron-branded Service Station 91723
 9757 San Leandro Street
 Oakland, California



MW-6 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time
 Former Chevron-branded Service Station 91723
 9757 San Leandro Street
 Oakland, California



MW-8 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time
 Former Chevron-branded Service Station 91723
 9757 San Leandro Street
 Oakland, California



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

Former Chevron-branded Service Station 91723

9757 San Leandro Street

Oakland, California

