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Third Quarter 2015 Semi-Annual Groundwater Monitoring Report

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

Stantec

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

Prepared by:
Stantec Consulting Services Inc.
15575 Los Gatos Blvd., Building C
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October 26, 2015

Carryl MacLeod
Project Manager
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Chevron Environmental Management Company
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October 26, 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 *Third Quarter 2015 Semi-Annual 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 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

October 26, 2015

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

Reference: **Third Quarter 2015 Semi-Annual 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 *Third Quarter 2015 Semi-Annual 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, Third Quarter 2015 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 of the Site.

Halogenated volatile organic compound (HVOC) analysis was added to the groundwater monitoring and sampling program in First Quarter 2015 to address Alameda County Environmental Health's (ACEH's) concern. HVOCs were not detected above method detection limits (MDLs) in any Site well except well MW-9, where concentrations were below their respective California Regional Water Quality Control Board – San Francisco Bay Region Environmental Screening Levels (ESLs). Based on these data, HVOC analysis was discontinued.

THIRD QUARTER 2015 GROUNDWATER MONITORING AND SAMPLING PROGRAM

Gettler-Ryan Inc. (G-R) performed the Third Quarter 2015 groundwater monitoring and sampling event on August 24, 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 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 this quarter.

Investigation-derived waste (IDW) generated during the Third 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 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 Third Quarter 2015 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 0.002 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.

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).

Groundwater Analytical Results

During Third Quarter 2015, 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 HVOCs are shown in **Table 3**. Historical monitored natural attenuation (MNA) data are presented in **Table 4**. 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 benzene isoconcentration map is shown on **Figure 6**.

Certified laboratory analysis reports and chain-of-custody documents are presented as **Attachment B**. Hydrographs based on groundwater elevations and analytical results from Third Quarter 2011 to present are included in **Attachment C**. A summary of Third Quarter 2015 groundwater analytical results follows:

- **TPH-GRO** was detected in two Site wells, at concentrations of 260 micrograms per liter (µg/L; well MW-5) and 2,700 µg/L (well MW-8). The concentration in well MW-8 is within historical limits, while the concentration in well MW-5 is equal to the historical high.

- **Benzene** was detected in one Site well, at a concentration of 39 µg/L (well MW-8), which is within historical limits for this well.

- **Toluene** was detected in one Site well, at a concentration of 2 µg/L (well MW-8), which is within historical limits for this well.

- **Ethylbenzene** was detected in one Site well, at a concentration of 5 µg/L (well MW-8), which is within historical limits for this well.

- **Total Xylenes** were detected in one Site well, at a concentration of 7 µg/L (well MW-8), which is within historical limits for this well.

CONCLUSIONS AND RECOMMENDATIONS

The maximum concentration of TPH-GRO and only detections of 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. TPH-GRO was also detected above the ESL in well MW-5, located near the former first-generation dispenser islands.

In a letter dated April 14, 2015, ACEH conditionally approved Stantec's *Revised Data Gap Work Plan Addendum*, dated February 20, 2015. Stantec oversaw the advancement of 11 on-Site soil borings from July 27 through 30, 2015, and resampling of permanent on-Site soil vapor wells VP-1 through VP-5 on July 31, 2015. ACEH requested a Site Investigation Report by July 17, 2015. Stantec requested extensions on the due date for the Site Investigation Report in letters dated July 6 and October 13, 2015. The latest extension was requested to allow additional technical peer review of the report, with a proposed due date of October 26, 2015. Results and conclusions of the Site investigation will be presented 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 Third 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 – Third Quarter 2015
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 – Third Quarter 2015
Figure 3 – Groundwater Flow Direction Rose Diagram – Third Quarter 2015
Figure 4 – Site Plan Showing Groundwater Concentrations – Third Quarter 2015
Figure 5 – TPH-GRO Isoconcentration Map – Third Quarter 2015
Figure 6 – Benzene Isoconcentration Map – Third Quarter 2015

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

cc:

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TABLES

Table 1
Well Details / Screen Interval Assessment
Third Quarter 2015
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	21.52	9.97	12-22	Depth-to-groundwater above screen interval.
MW-5	05/18/88	Monitoring	2	21.84	20.00	17.63	10.04	7-20	Depth-to-groundwater within screen interval.
MW-6	05/18/88	Monitoring	2	21.71	20.00	19.55	10.15	7-20	Depth-to-groundwater within screen interval.
MW-8	05/19/88	Monitoring	2	21.84	20.00	18.18	10.33	7-20	Depth-to-groundwater within screen interval.
MW-9	08/04/89	Monitoring	4	20.55	20.00	20.21	9.53	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 prior to groundwater sampling on August 24, 2015.

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-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
	Groundwater ESL			**100**	**1**	**40**	**30**	**20**	**5**
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**	**--**
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**	**--**
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
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	--

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-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
	Groundwater ESL			**100**	**1**	**40**	**30**	**20**	**5**
MW-6 (cont)									
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**	**--**
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**	**--**
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	--
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**	**--**
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

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-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)
	Groundwater ESL			**100**	**1**	**40**	**30**	**20**	**5**
QA (cont)									
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**	**--**

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
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes

MtBE = Methyl tertiary-butyl ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

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

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 (µg/L)	1,1-DCE (µg/L)	*cis* -1,2-DCE (µg/L)
Groundwater ESL	**5**	**6**	**6**
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

(µg/L) = Micrograms per liter

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

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.

(µg/L) = Micrograms per liter
(µg/L as $CaCO_3$) = Micrograms per liter as calcium carbonate

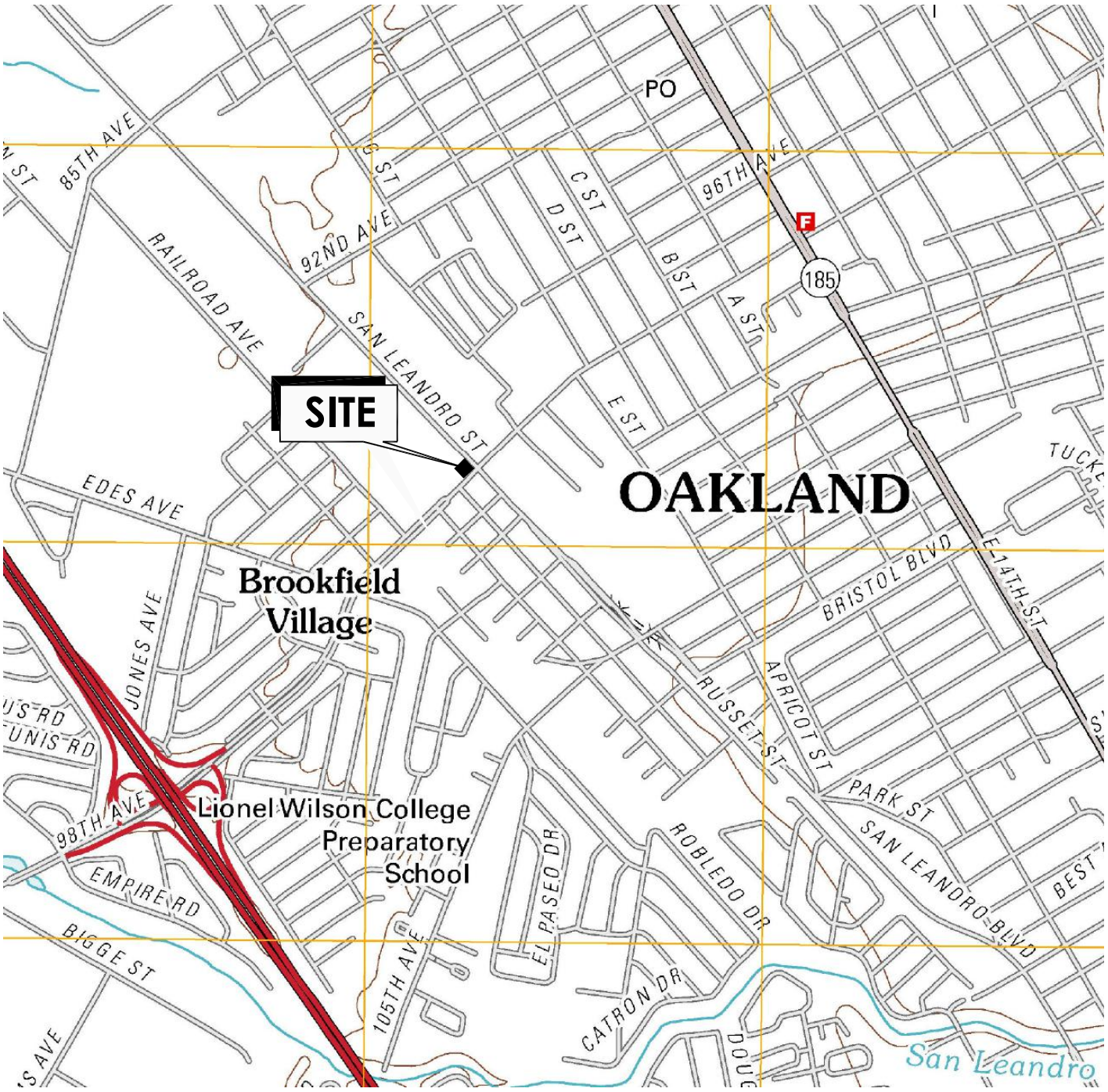
DO = Dissolved Oxygen

(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

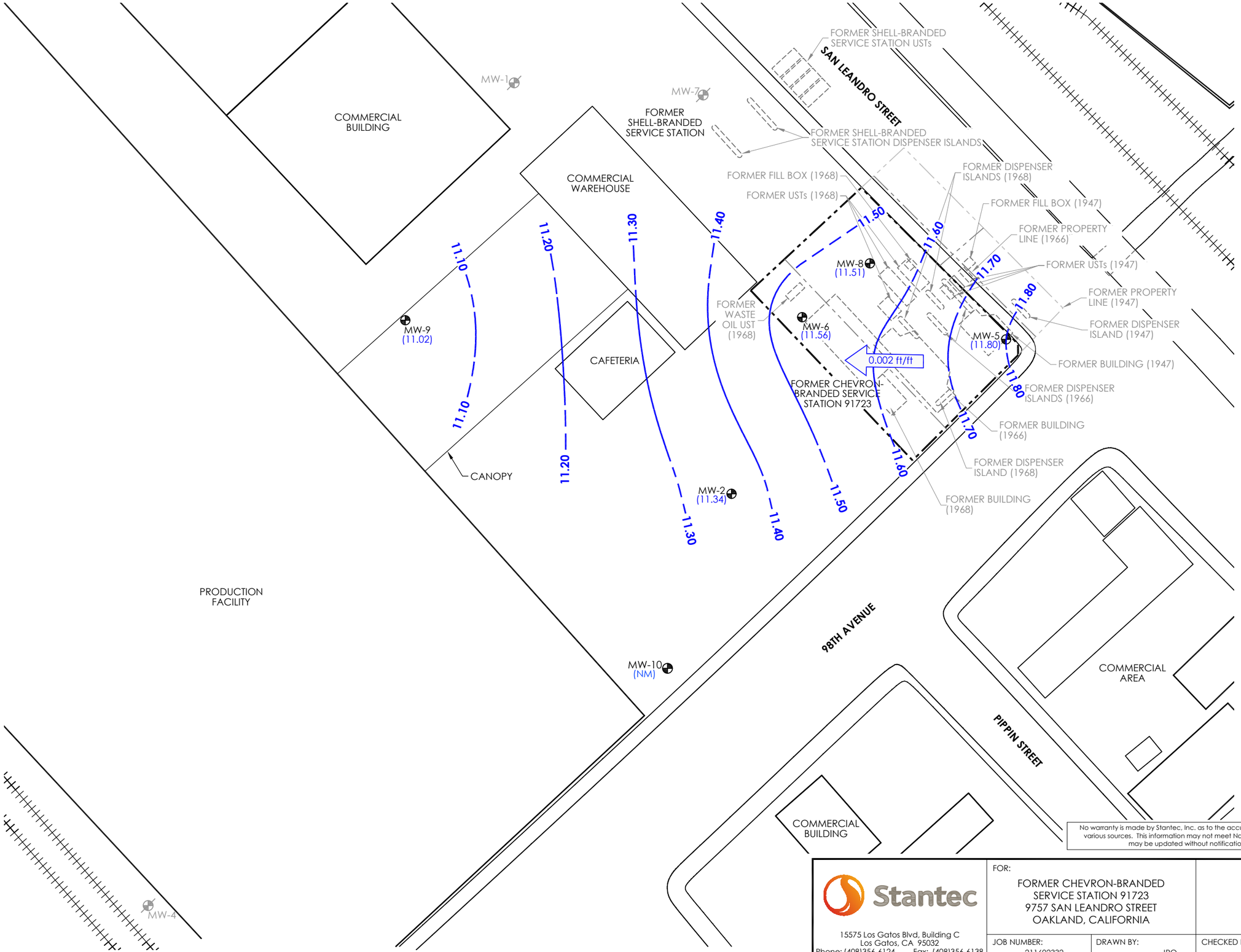


REFERENCE: USGS 7.5 MINUTE QUADRANGLE; SAN LEANDRO, CALIFORNIA; 2012

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

FOR:			FIGURE:
FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		SITE LOCATION MAP	1
JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: TLF	DATE: 09/10/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\91723\GWM\2015\3Q15\Figures\CAD\91723_3Q15.dwg | jopalekopsahl | Sep 10, 2015 at 10:25 | Layout: Fig 1_SLM



LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD LOCATION
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
- (11.34) — 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 0.002 FEET PER FOOT (ft/ft).

NOTES

FORMER SITE FEATURES ARE IN APPROXIMATE LOCATIONS

GROUNDWATER ELEVATION DATA WERE COLLECTED ON AUGUST 24, 2015

GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 11.6

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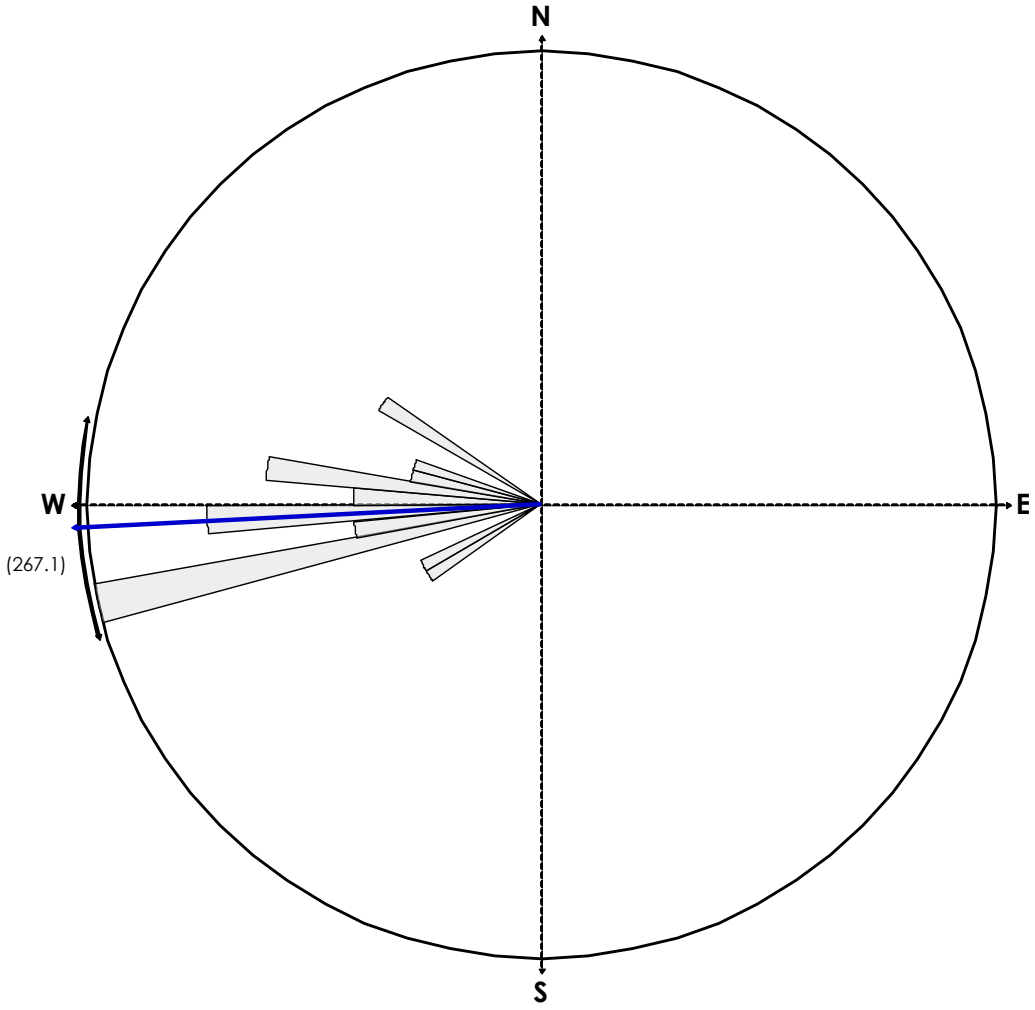
FOR:			FIGURE:
FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA	GROUNDWATER ELEVATION CONTOUR MAP - THIRD QUARTER 2015		2
JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: TLF	DATE: 09/10/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\91723\GWM\2015\3Q15\Figures\CAD\91723_3Q15.dwg | jopalekopsahl | Sep 11, 2015 at 15:06 | Layout: Fig 2_GWE



EQUAL AREA PLOT

Number of Points	31
Class Size	5
Vector Mean	267.13
Vector Magnitude	30.05
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.

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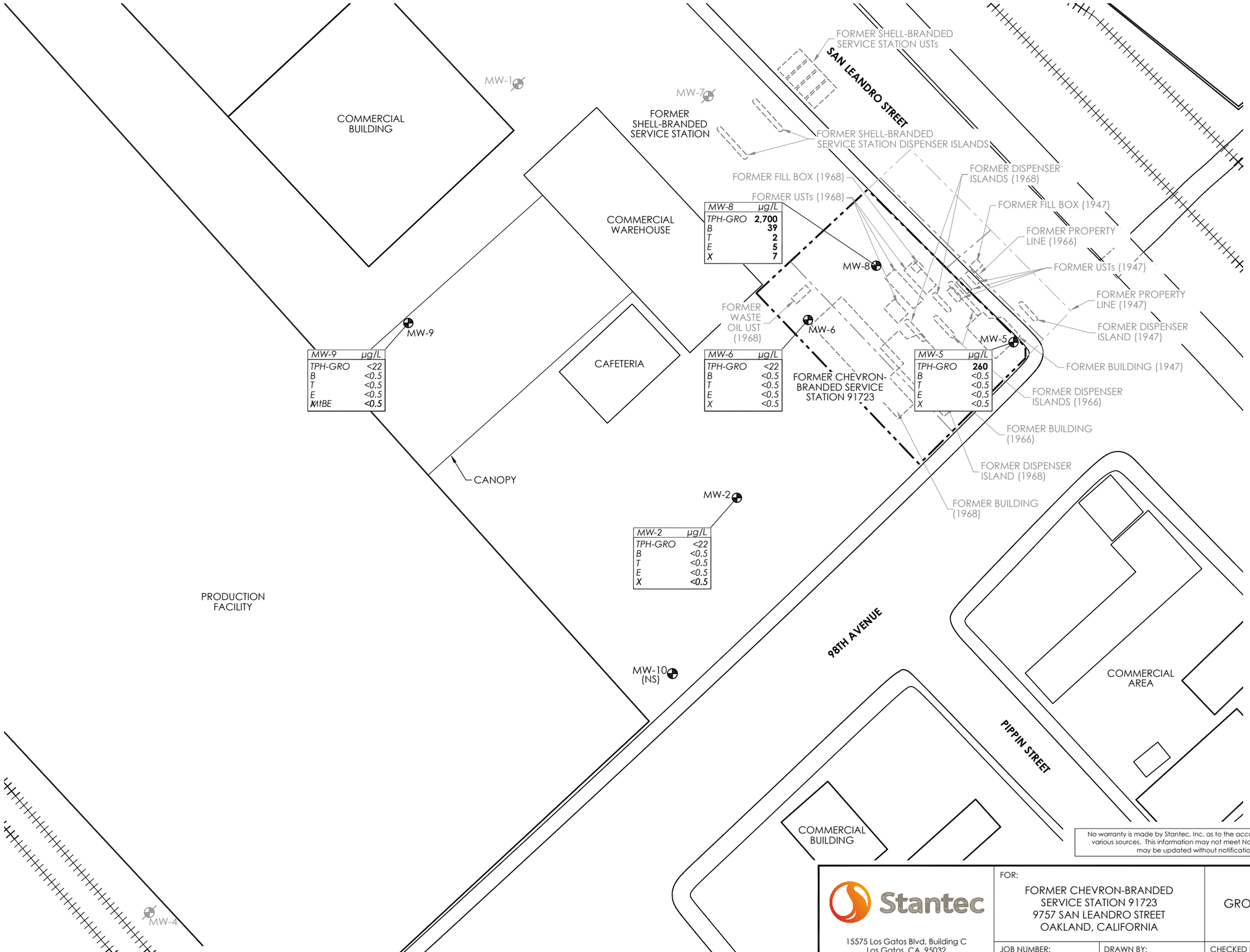
FOR:				FIGURE:
FORMER CHEVRON-BRANDED SERVICE STATION 91723 9757 SAN LEANDRO STREET OAKLAND, CALIFORNIA		GROUNDWATER FLOW DIRECTION ROSE DIAGRAM - THIRD QUARTER 2015		3
JOB NUMBER: 211602332	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: TLF	DATE: 09/10/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\91723\GWM\2015\3Q15\Figures\CAD\91723_3Q15.dwg | jopalekopsahl | Sep 10, 2015 at 10:56 | Layout: Fig 3_Rose



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
- *B* — BENZENE
- *T* — TOLUENE
- *E* — ETHYLBENZENE
- *X* — TOTAL XYLENES

µg/L = MICROGRAMS PER LITER

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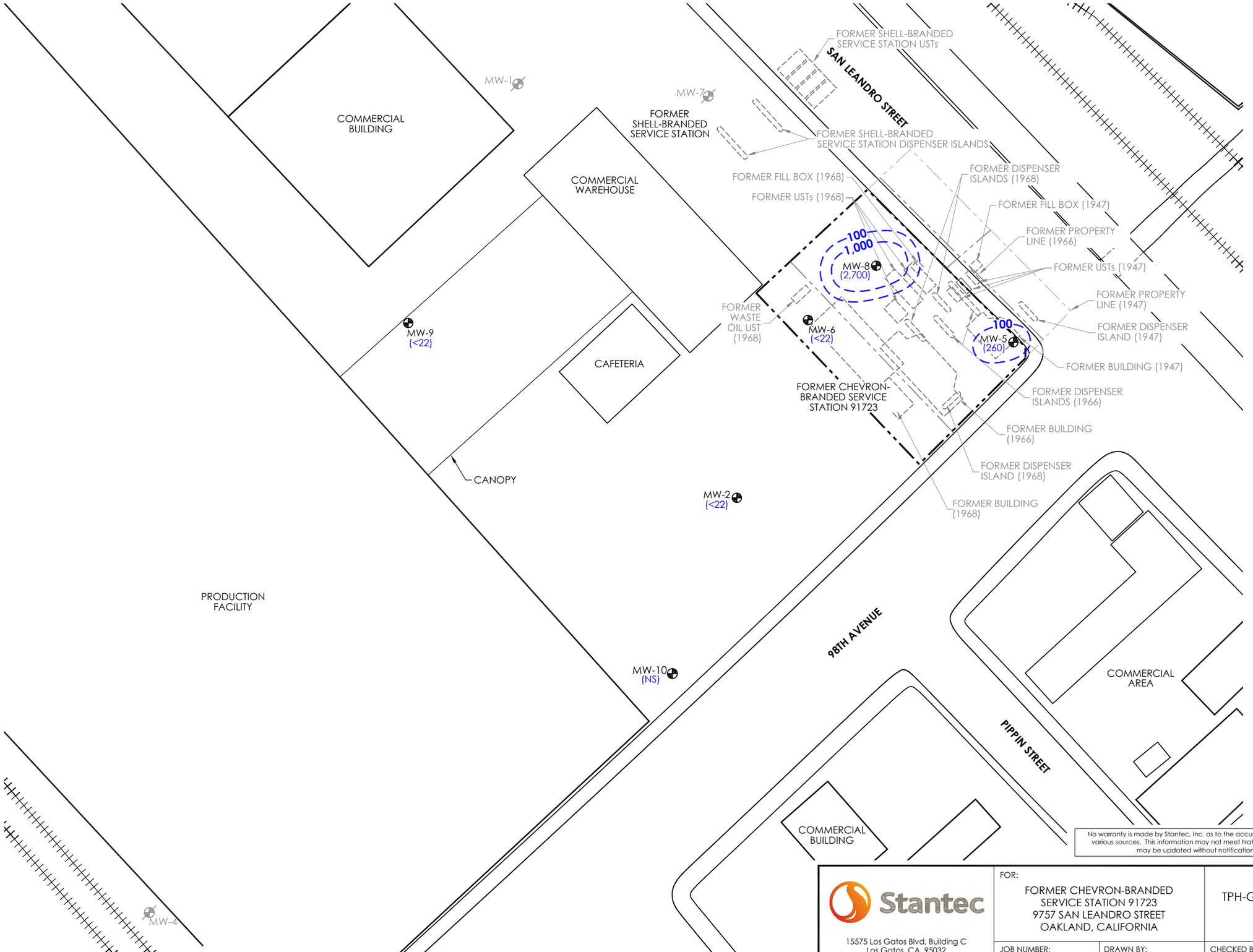
FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723
9757 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - THIRD QUARTER 2015

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602332	JRO	EEO/MRK	TLF	09/10/15



LEGEND

- APPROXIMATE SITE BOUNDARY
- RAILROAD LOCATION
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- ABANDONED/ DESTROYED GROUNDWATER MONITORING WELL
- (260) — TPH-GRO CONCENTRATION (µg/L)
- (NS) — NOT SAMPLED
- INFERRED TPH-GRO CONTOUR
- TPH-GRO — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- (µg/L) — MICROGRAMS PER LITER

N

0 60 120

APPROXIMATE SCALE IN FEET

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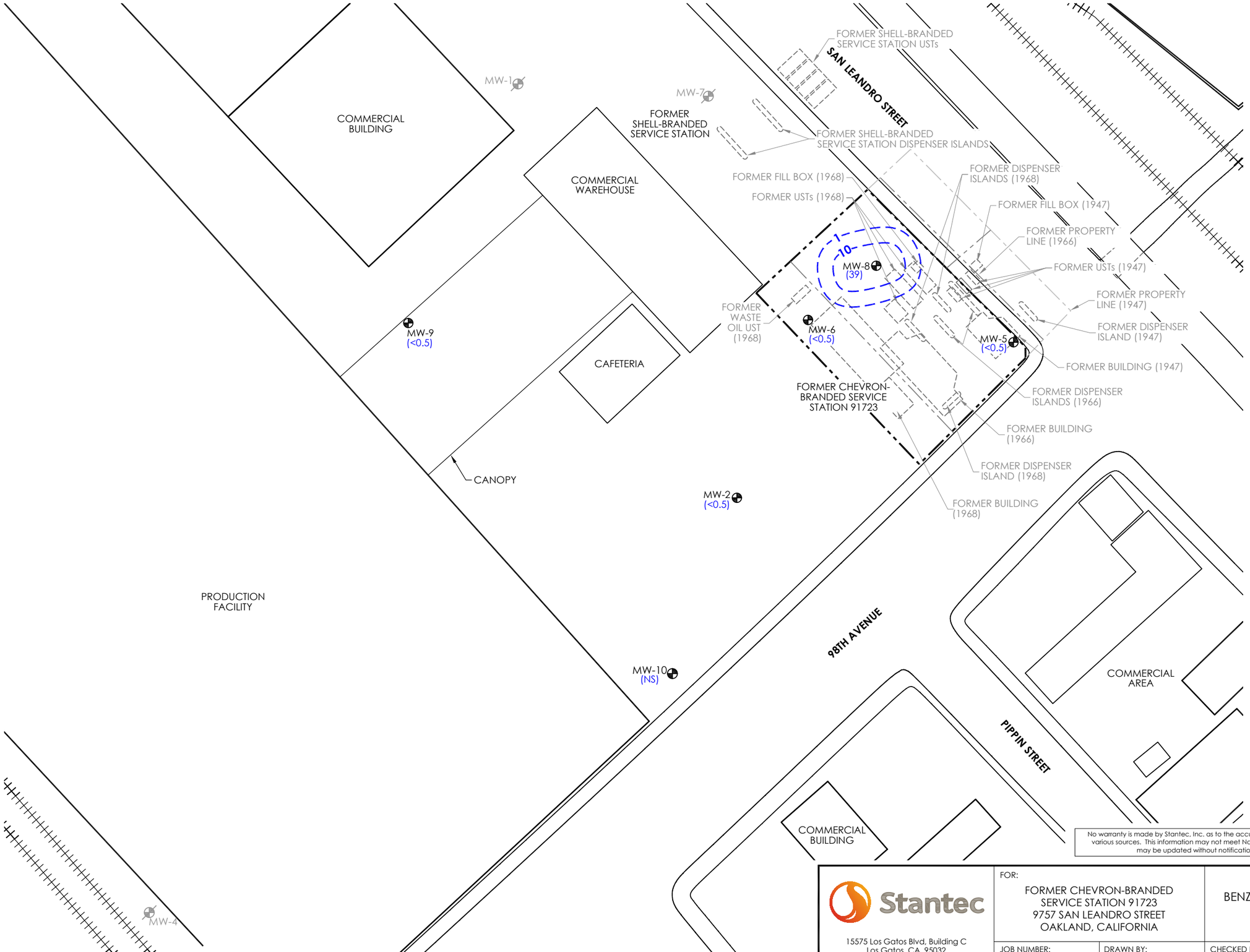
FOR: FORMER CHEVRON-BRANDED SERVICE STATION 91723
9757 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

TPH-GRO ISOCONCENTRATION MAP - THIRD QUARTER 2015

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602332	JRO	EEO/MRK	TLF	09/10/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\91723\GWM\2015\3Q15\Figures\CAD\91723_3Q15.dwg | jopalekopsahl | Sep 10, 2015 at 11:04 | Layout: Fig 5_TPHg



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

BENZENE ISOCONCENTRATION MAP - THIRD QUARTER 2015

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602332	JRO	EEO/MRK	TLF	09/10/15

FILEPATH:P:\Chevron\N. CA Marketing Sites\Carryl MacLeod Portfolio\91723\GWM\2015\3Q15\Figures\CAD\91723_3Q15.dwg | jopalekopsahl | Sep 11, 2015 at 15:07 | Layout: Fig 6_BNZ

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

GETTLER-RYAN INC.

TRANSMITTAL

September 3, 2015
G-R # 385899

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 **Second Semi Annual Event of August 24, 2015**

COMMENTS:

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

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

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

WELL CONDITION STATUS SHEET

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

Job #: **386496**
Event Date: 8.24.15
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y/(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-2	OK									MORRISON/12"/2	
MW-5	OK	N/A			OK					CHRISTY BOX	
MW-6	OK	N/A			B	OK	OK			CHRISTY BOX W/O PLATE COVER	
MW-8	OK									EMCO/12"/2	
MW-9	OK	M	M	S=2	C					12" BOX IS AN MORRISON BOX	

Comments MW-9: WELL BOX IS A 12" MORRISON, NEEDS A 12" MORRISON COVER. CURRENTLY HAS A METAL PLATE COVER. BOTH FLANGES ARE STRIPPED

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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

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

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

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

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #9-1723** Job Number: **386496**

Site Address: **9757 San Leandro Street** Event Date: 8.24.15 (inclusive)

City: **Oakland, CA** Sampler: FT

Well ID **MW- 2** Date Monitored: 8.24.15

Well Diameter (2) 4 in.

Total Depth 21.52 ft.

Depth to Water 9.97 ft.

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

☐ Check if water column is less then 0.50 ft.

11.55 xVF .17 = 1.96 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.28

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): 1105 Weather Conditions: Sunny

Sample Time/Date: 1127 / 8.24.15 Water Color: Grey Odor: Y / (N)

Approx. Flow Rate: ~ gpm. Sediment Description: S. Silty

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.02

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1109	2.0	6.84	795	21.9		
1113	4.0	6.81	789	21.4		
1117	6.0	6.79	782	21.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 2	3 x voa vial	YES	HCL	LANCASTER	TPH-GRO GC/MS/BTEX(8260B)

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** Job Number: **386496**

Site Address: **9757 San Leandro Street** Event Date: 8.24.15 (inclusive)

City: **Oakland, CA** Sampler: FT

Well ID MW- 5 Date Monitored: 8.24.15

Well Diameter (2)/4 in.

Total Depth 17.63 ft.

Depth to Water 10.04 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

7.59 xVF .17 = 1.29 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.55

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): 1145 Weather Conditions: SUNNY

Sample Time/Date: 1205 / 8.24.15 Water Color: GRY. Odor: Ⓨ / N SLIGHT

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

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.03

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)
1148	1.5	6.89	767	21.6		
1151	3.0	6.86	761	21.2		
1155	4.0	6.84	757	19.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 5	3 x voa vial	YES	HCL	LANCASTER	TPH-GRO GC/MS/BTEX(8260B)

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** Job Number: **386496**

Site Address: **9757 San Leandro Street** Event Date: 8.24.15 (inclusive)

City: **Oakland, CA** Sampler: FT

Well ID **MW- 6** Date Monitored: 8.24.15

Well Diameter 2 / 4 in.

Total Depth 19.55 ft.

Depth to Water 10.15 ft.

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

☐ Check if water column is less then 0.50 ft.

9.40 xVF .17 = 1.59 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.03

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

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

Start Time (purge): 1030 Weather Conditions: Sunny / Cloudy

Sample Time/Date: 1050 / 8.24.15 Water Color: Grey Odor: Y / (N)

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

Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 10.18

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1033	1.5	6.79	784	22.0		
1036	3.0	6.77	779	21.9		
1040	5.0	6.75	772	21.2		

LABORATORY INFORMATION

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

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** Job Number: **386496**

Site Address: **9757 San Leandro Street** Event Date: 8.24.15 (inclusive)

City: **Oakland, CA** Sampler: FT

Well ID **MW-8** Date Monitored: 8.24.15

Well Diameter 2/4 in.

Total Depth 18.18 ft.

Depth to Water 10.33 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.

7.85 xVF .17 = 1.33 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.90

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: SUNNY

Sample Time/Date: 1240 / 8.24.15 Water Color: Gray Odor: Y / N STRONG

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

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.37

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1223	1.5	6.78	810	21.7		
1226	3.0	6.75	801	21.3		
1229	4.0	6.73	796	21.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 8	3 x voa vial	YES	HCL	LANCASTER	TPH-GRO GC/MS/BTEX(8260B)

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** Job Number: **386496**

Site Address: **9757 San Leandro Street** Event Date: 8.24.15 (inclusive)

City: **Oakland, CA** Sampler: FT

Well ID MW-9 Date Monitored: 8.24.15

Well Diameter 2/④ in.

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

Total Depth 20.21 ft.

Depth to Water 9.53 ft. ☐ Check if water column is less then 0.50 ft.

10.68 xVF .66 = 7.04 x3 case volume = Estimated Purge Volume: 21.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.66

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1300 Weather Conditions: SUNNY

Sample Time/Date: 1325 / 8.24.15 Water Color: CLEAR Odor: Y / (N)

Approx. Flow Rate: ~2.5 gpm. Sediment Description: NONE

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 9.56

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1303	7.0	7.02	772	19.5		
1306	14.0	6.99	765	19.2		
1309	21.0	6.95	758	19.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x voa vial	YES	HCL	LANCASTER	TPH-GRO GC/MS/BTEX(8260B)

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories

Ø82415-04

For Eurofins Lancaster Laboratories use only

Acct. # _____ Group # _____ Sample # _____

Instructions on reverse side correspond with circled numbers.

SCR-#: _____

1 Client Information

Facility # SS#9-1723-OML G-R#386496 Global ID#T0600101789 WBS

Site Address 9757 SAN LEANDRO STREET, OAKLAND, CA

Chevron PM CM Lead Consultant STANTECTF 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 FRANK TENNINONI

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

2 Sample Identification	Soil Depth	Collected Date	Collected Time	3 Grab	3 Composite	4 Matrix: Soil	Water	Oil	Sediment	Ground	Potable	Surface	NPDES	Air	Total Number of Containers	5 Analyses Requested: BTEX 8260 B	TPH-GRO 8260 B	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method	6 Remarks
QA		8.24.15					W								2	X	X							
MW-2			1127	X											3	X	X							
MW-5			1205	X																				
MW-6			1050	X																				
MW-8			1240	X																				
MW-9		↓	1325	X			↓								↓	↓	↓							

7 Turnaround Time Requested (TAT) (please circle)

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

Relinquished by	Date	Time	Received by	Date	Time
[signature]	8.24.15		A. Gelson	24AUG15	1516
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____			Received by	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 _____ °C

Custody Seals Intact? Yes No

9

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

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

September 01, 2015

Project: 91723

Submittal Date: 08/25/2015
Group Number: 1587398
PO Number: 0015167993
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-150824 NA Water	8020498
MW-2-W-150824 Grab Groundwater	8020499
MW-5-W-150824 Grab Groundwater	8020500
MW-6-W-150824 Grab Groundwater	8020501
MW-8-W-150824 Grab Groundwater	8020502
MW-9-W-150824 Grab Groundwater	8020503

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 COPY TO	Gettler-Ryan Inc.	Attn: Gettler Ryan

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-150824 NA Water
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020498
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOQA

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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 12:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 12:59	Daniel H Heller	1

Sample Description: MW-2-W-150824 Grab Groundwater
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020499
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015 11:27 by FT

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM2

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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 14:26	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 14:26	Daniel H Heller	1

Sample Description: MW-5-W-150824 Grab Groundwater
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020500
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015 12:05 by FT

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM5

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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 14:48	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 14:48	Daniel H Heller	1

Sample Description: MW-6-W-150824 Grab Groundwater
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020501
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015 10:50 by FT

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM6

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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 15:10	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 15:10	Daniel H Heller	1

Sample Description: MW-8-W-150824 Grab Groundwater
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020502
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015 12:40 by FT

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM8

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	39	0.5	1
10945	C6-C12-TPH-GRO	n.a.	2,700	22	1
10945	Ethylbenzene	100-41-4	5	0.5	1
10945	Toluene	108-88-3	2	0.5	1
10945	Xylene (Total)	1330-20-7	7	0.5	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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 15:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 15:32	Daniel H Heller	1

Sample Description: MW-9-W-150824 Grab Groundwater
Facility# 91723 Job# 386496 GRD
9757 San Leandro-Oakland T0600101789

LL Sample # WW 8020503
LL Group # 1587398
Account # 10906

Project Name: 91723

Collected: 08/24/2015 13:25 by FT

Submitted: 08/25/2015 09:40
Reported: 09/01/2015 21:26

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM9

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

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	8260 BTEX+ GRO C6-C12	SW-846 8260B	1	F152401AA	08/28/2015 15:54	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F152401AA	08/28/2015 15:54	Daniel H Heller	1

Quality Control Summary

Client Name: Chevron Group Number: 1587398
Reported: 09/01/2015 21:26

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: F152401AA	Sample number(s): 8020498-8020503							
Benzene	N.D.	0.5	ug/l	95		78-120		
C6-C12-TPH-GRO	N.D.	22.	ug/l	98	98	52-154	1	30
Ethylbenzene	N.D.	0.5	ug/l	90		78-120		
Toluene	N.D.	0.5	ug/l	92		80-120		
Xylene (Total)	N.D.	0.5	ug/l	91		80-120		

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: F152401AA	Sample number(s): 8020498-8020503 UNSPK: P019872								
Benzene	103	106	78-120	3	30				
Ethylbenzene	100	104	78-120	3	30				
Toluene	102	107	80-120	5	30				
Xylene (Total)	100	104	80-120	4	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: 8260 BTEX+ GRO C6-C12
Batch number: F152401AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8020498	98	100	101	93
8020499	98	99	99	94
8020500	96	99	101	95
8020501	98	98	100	95
8020502	96	97	101	101
8020503	98	98	100	94
Blank	97	100	101	94
LCS	98	102	102	96
LCSD	97	100	104	97
MS	97	101	100	97

*- 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: 1587398
Reported: 09/01/2015 21:26

Surrogate Quality Control

MSD	97	100	102	98
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.

Chevron California Region Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories use only
Acct. # 10906 Group # 1587398 Sample # 8020498-503
Instructions on reverse side correspond with circled numbers.

1 of 1

SCR #: ______

① Client Information

Facility # / WBS: SS#9-1723-OML G-R#386496 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: Frank Terminni

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

⑤ Analyses Requested: BTEX ☒ 8260 B ☐ 8021 [redacted]; TPH-GRO ☒ 8260 B ☐ 8015 G-C/MS; ☐ TPH-DRO 8015 without Silica Gel Cleanup; ☐ TPH-DRO 8015 with Silica Gel Cleanup; 8260 Full Scan; ____ Oxygenates; Total Lead Method ____; Dissolved Lead Method ____

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

② Sample Identification	Soil Depth	Collected Date	Collected Time	③ Grab	Composite	Soil	Water	Oil	Total Number of Containers	BTEX	TPH-GRO	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead	Dissolved Lead	⑥ Remarks
QA		8.24.15					W		2	X	X							
MW-2		↓	1127	X			↓		3	X	X							
MW-5		↓	1205	X			↓		↓	↓	↓							
MW-6		↓	1050	X			↓		↓	↓	↓							
MW-8		↓	1240	X			↓		↓	↓	↓							
MW-9		↓	1325	X			↓		↓	↓	↓							

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]	8.24.15		A. Salyer	24AUG15	1514
A. Salyer	24AUG15	1630	FX		
Relinquished by Commercial Carrier: UPS ____ FedEx ✓ Other ____			Received by [signature]	82515	940

⑨

Temperature Upon Receipt 0.3-2.3 °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

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.

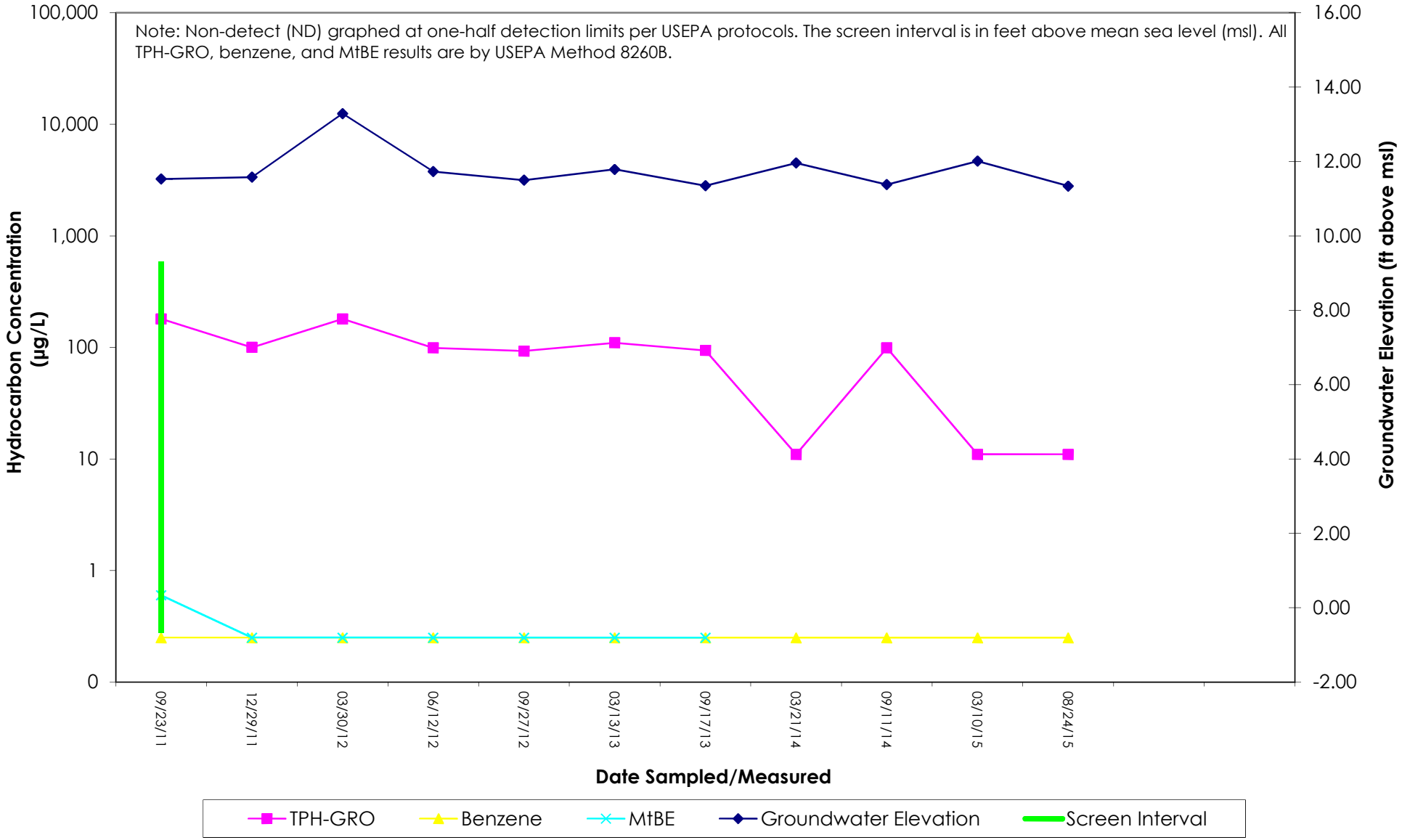
Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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

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

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

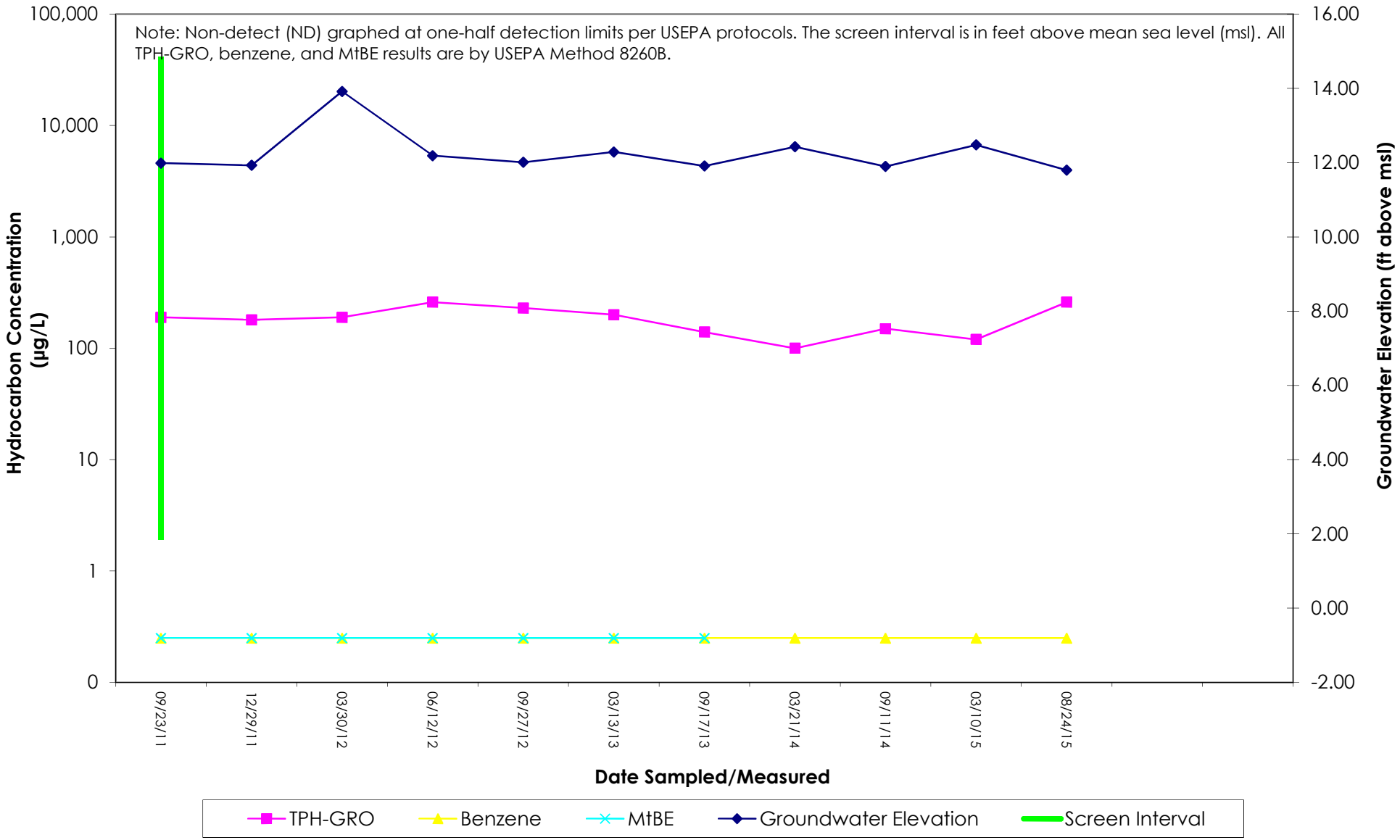


MW-5 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Former Chevron-branded Service Station 91723

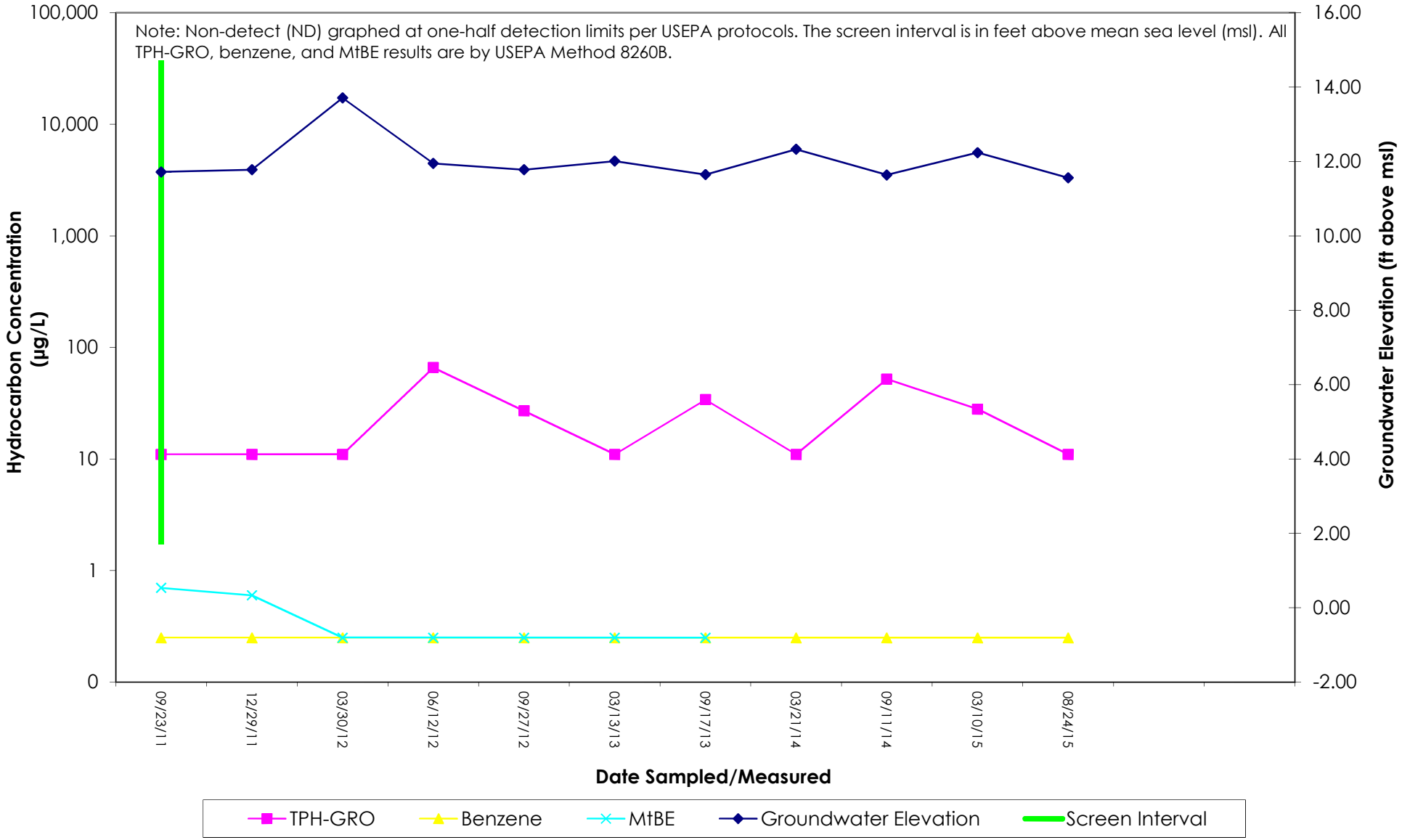
9757 San Leandro Street

Oakland, California



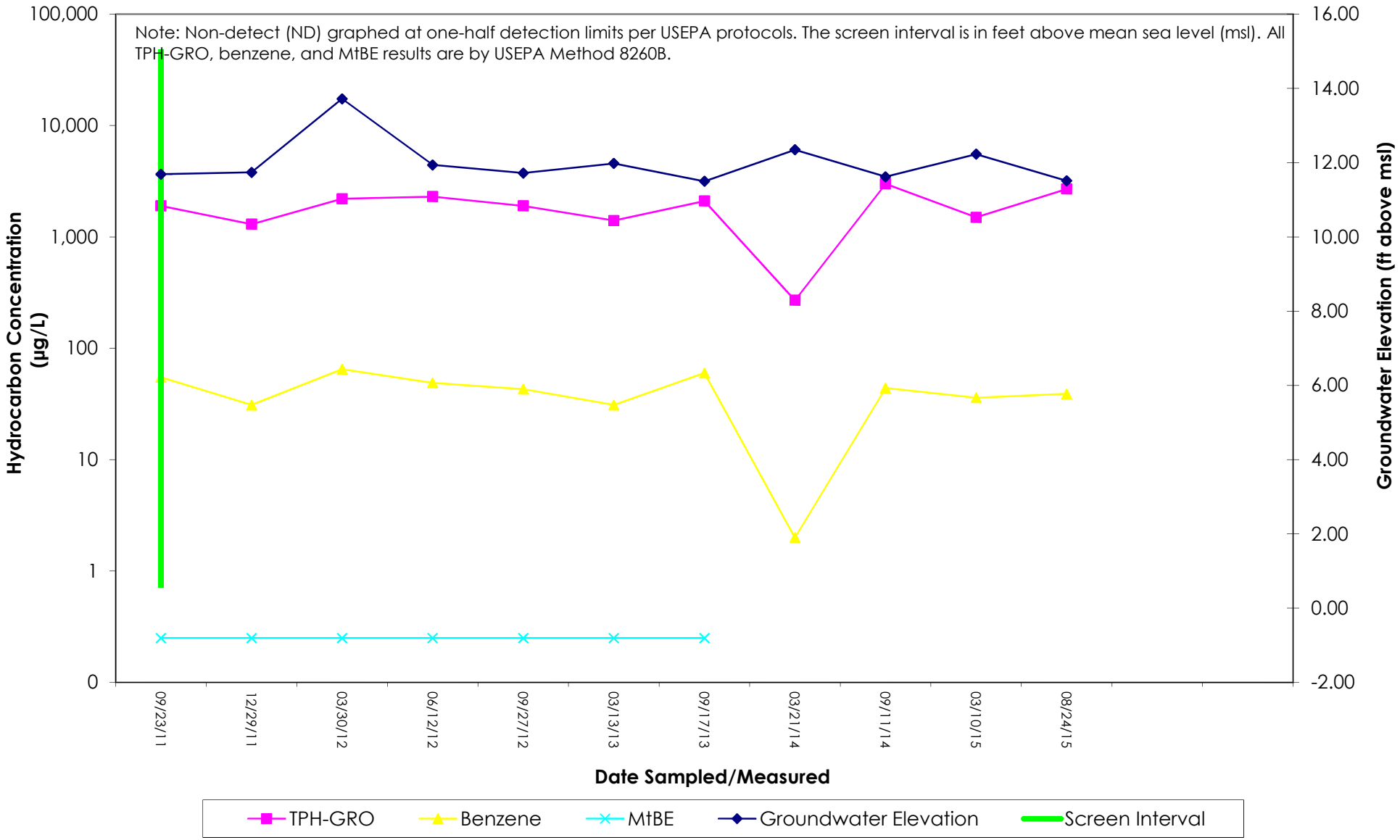
MW-6 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

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