RECEIVED
By Alameda County Environmental Health 2:32 pm, Aug 07, 2017

First Semi-Annual 2017
Groundwater Monitoring Report

Former Chevron-branded
Service Station 94612
3616 San Leandro Street
Oakland, California
Case #: RO0000233

Stantec

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

August 4, 2017

Carryl MacLeod
Project Manager, Marketing Business Unit

August 4, 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 94612, located at 3616 San Leandro Street in Oakland, California (**Case #:** RO0000233). 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,

Carryl MacLeod
Project Manager

Chevron Environmental Management Company
6001 Bollinger Canyon Road, San Ramon, CA 94583
Tel 925 842 3201
CarrylMacLeod@chevron.com

August 4, 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 94612
3616 San Leandro Street, Oakland, California
Case #: RO0000233

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 94612, which was located at 3616 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 northern corner at the intersection of San Leandro Street and 37th Avenue in Oakland, California. The Site is currently comprised of two parcels (Alameda County Assessor's Parcel Number [APN] 33-2178-9-1 and APN 33-2178-10) owned by separate private parties. A one-story commercial warehouse occupies the northwestern parcel, while the southeastern parcel is a paved parking lot. A Chevron-branded service station operated at the Site from approximately 1967 until 1976. Stantec reviewed Alameda County Environmental Health (ACEH) files, and specific dates of operational history are unclear.

Former Site features consisted of three gasoline underground storage tanks (USTs; two 10,000-gallon and one 5,000-gallon) located in the northwestern portion of the Site, a 1,000-gallon waste oil UST located in the northern portion of the Site, two fuel dispenser islands located in the southern portion of the Site, associated product piping, and a station building with two hydraulic hoists located in the center of the Site. In 1976, the service station was closed and all Site features were removed. The Site remained a vacant lot until the existing warehouse was constructed in approximately 1988.

Land use near the Site consists of a mixture of commercial and residential properties. The Site is bounded to the northwest by a residence, to the northeast by a Bay Area Rapid Transit (BART) parking lot and elevated rail tracks, on the southeast by 37th Avenue followed by a commercial building, and on the southwest by San Leandro Street followed by a mixed commercial and residential area.

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 Second Quarter 2017 on June 29, 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 four Site wells (VH-1, MW-2, MW-3, and MW-4) prior to collecting groundwater samples for laboratory analysis. All four Site wells were sampled. G-R indicated well VH-1 was inaccessible with the sampling truck; therefore, purging was not conducted at well VH-1 prior to sample collection.

Investigation-derived waste (IDW) generated during the Second 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-2, MW-3, and MW-4 are currently screened across the prevailing groundwater table, while the DTW measurement in well VH-1 is above the respective screen interval, and the screen interval is currently entirely submerged. Current and historical groundwater elevation data are presented in **Table 2**. A groundwater elevation contour map (based on Second Quarter 2017 data) is shown on **Figure 2**. The direction of groundwater flow at the time of sampling was generally towards the southwest at an average hydraulic gradient of approximately 0.011 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 First Quarter 1993 to present.

Schedule of Laboratory Analysis

Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline range organics (TPH-GRO) using United States Environmental Protection Agency (US EPA) Method 8015B (SW-846) and benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds) and methyl *tertiary*-butyl ether (MtBE) using US EPA Method 8260B (SW-846). In addition, the groundwater sample collected from well MW-3 was analyzed for total petroleum hydrocarbons as diesel range organics (TPH-DRO) with silica gel cleanup using US EPA Method 8015B (SW-846).

Groundwater Analytical Results

During Second Quarter 2017, groundwater samples were collected from four Site wells (VH-1, MW-2, MW-3, and MW-4). Current and historical groundwater analytical results and field parameters are included in **Table 2** through **Table 6**. 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**. An isoconcentration map was not developed for MtBE, because concentrations were below California Regional Water Quality Control Board – San Francisco Bay Region Environmental Screening Levels (ESLs) or method detection limits (MDLs). An isoconcentration map was not developed for TPH-DRO, because it was only analyzed at one well.

Certified laboratory analysis reports and chain-of-custody documents are presented as **Attachment B**. Hydrographs based on current and historical groundwater elevations and analytical results are included in **Attachment C**. A summary of Second Quarter 2017 groundwater analytical results 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)	MtBE (µg/L)
ESL	**100**	**100**	**1**	**40**	**13**	**20**	**5**
VH-1	3,000	NA	5	0.9	<0.5	2	2
MW-2	2,000	NA	<3	<3	<3	<3	<3
MW-3	1,400	140	<0.5	<0.5	<0.5	<0.5	1
MW-4	79	NA	<0.5	<0.5	<0.5	<0.5	<0.5

Table Notes:
µg/L = micrograms per liter
* = using silica gel cleanup
< = constituent was not detected at or above the noted MDL
NA = not analyzed

CONCLUSIONS AND RECOMMENDATIONS

Maximum concentrations of TPH-GRO and benzene are currently observed in well VH-1, located approximately 6 feet from the former gasoline USTs. TPH-GRO is also observed above the ESL in well MW-2, located approximately 3 feet from the former southernmost dispenser island, and well MW-3, located approximately 4 feet from the former waste oil UST. TPH-DRO (with silica gel cleanup) was detected above the ESL in the one well in which it was analyzed (well MW-3).

Hydrographs based on current and historical groundwater elevations and analytical results are included in **Attachment C**. Current and historical groundwater quality data indicate the dissolved-phase petroleum hydrocarbon plume associated with the Site is generally stable or decreasing in overall size and concentration. Concentrations appear to have an inverse relationship with changes in groundwater elevation; however, overall stable or decreasing concentration trends are still observed.

The plume is defined to the southeast by TPH-GRO and BTEX concentrations below LRLs or ESLs in well MW-4. The plume is also delineated to the southwest and west using historical TPH-GRO and BTEX concentrations below LRLs or ESLs in groundwater samples collected from borings HA-1, HA-2, HA-3, SB-3, and SB-4.

Based on a review of historical borings and well logs and hydrologic data, there is no evidence of multiple shallow aquifers (groundwater-bearing zones) at the Site. The previously collected off-site groundwater samples appear representative and adequately define the extent of the dissolved-phase plume.

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 First Semi-Annual 2017 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.

Prepared by for _____
(signature)

Erin O'Malley
Project Engineer

Reviewed by _____
(signature)

Marisa Kaffenberger
Senior Engineer

Reviewed by _____
(signature)

Travis L. Flora
Senior Project Manager

Reviewed by _____
(signature)

Dorota Runyan, P.E.
Senior Engineer

Attachments:

Table 1 – Well Details / Screen Interval Assessment – Second Quarter 2017
Table 2 – Groundwater Monitoring Data and Analytical Results
Table 3 – Groundwater Analytical Results – Oxygenate Compounds
Table 4 – Groundwater Analytical Results – Metals and Volatile Organic Compounds
Table 5 – Groundwater Analytical Results – PCBs
Table 6 – Dissolved Oxygen Levels

Figure 1 – Site Location Map
Figure 2 – Groundwater Elevation Contour Map – Second Quarter 2017
Figure 3 – Groundwater Flow Direction Rose Diagram – Second Quarter 2017
Figure 4 – Site Plan Showing Groundwater Concentrations – Second Quarter 2017
Figure 5 – TPH-GRO Isoconcentration Map – Second Quarter 2017
Figure 6 – Benzene Isoconcentration Map – Second Quarter 2017

Attachment A – Gettler-Ryan Inc. Field Data Sheets and Standard Operating Procedures – Second Quarter 2017
Attachment B – Certified Laboratory Analysis Reports and Chain-of-Custody Documents
Attachment C – Hydrographs

cc:

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

Mr. Terry McIlraith, Vivian McIlraith Trust, 407 Castello Road, Lafayette, CA 94549

Ms. Jana Ratto Armstrong, Ratto Land Company – Electronic Copy

TABLES

Table 1
Well Details / Screen Interval Assessment
Second Quarter 2017
Former Chevron-Branded Service Station 94612
3616 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
VH-1	08/09/88	Monitoring	4	27.91	30.00	28.97	8.88	10-30	Depth-to-groundwater above screen interval.
MW-2	02/01/93	Monitoring	2	28.05	20.00	19.46	9.06	5-20	Depth-to-groundwater within screen interval.
MW-3	02/01/93	Monitoring	2	29.04	20.00	17.96	9.16	5-20	Depth-to-groundwater within screen interval.
MW-4	08/15/95	Monitoring	2	27.27	20.00	17.84	8.42	7-20	Depth-to-groundwater within screen interval.

Notes:
bgs = below ground surface
msl = mean sea level
TOC = top of casing
[1] = As measured on June 29, 2017.

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
VH-1												
08/10/88	--	13.00	--	--	--	11,000	3,300	200	520	540	--	--
06/01/89	--	10.32	--	--	--	15,000	2,200	120	540	310	--	--
09/15/89	--	15.69	--	--	--	5,600	1,900	90	350	160	--	--
12/08/89	--	14.77	--	--	--	11,000	1,900	69	270	99	--	--
03/07/91	--	11.26	--	--	--	4,500	820	39	120	77	--	--
09/24/91	--	12.98	--	--	--	3,300	520	19	39	27	--	--
01/08/92	--	13.77	--	--	--	5,000	600	34	81	76	--	--
04/20/92	--	8.18	--	--	--	7,400	670	60	110	140	--	--
03/26/93	27.85	6.71	21.14	--	--	4,900	600	40	72	94	--	--
05/27/93	27.85	8.58	19.27	--	--	13,000	1,600	120	230	220	--	--
08/18/93	27.85	10.46	17.39	--	--	2,700	210	10	8.1	18	--	--
11/03/93	27.85	12.57	15.28	--	--	4,600	680	42	35	68	--	--
02/10/94	27.85	9.08	18.77	--	--	1,900	260	19	22	29	--	--
05/12/94	27.85	8.09	19.76	--	--	2,000	390	28	3.9	29	--	--
08/26/94	27.85	10.75	17.10	--	--	4,900	500	<5.0	23	31	--	--
11/14/94	27.85	9.45	18.40	--	--	760	69	<2.0	<2.0	2.2	--	--
02/01/95	27.85	5.97	21.88	--	--	1,300	120	5.9	<0.5	13	--	--
05/12/95	27.85	7.71	20.14	--	--	4,400	460	31	45	49	--	--
08/22/95	27.85	9.26	18.59	--	--	2,900	310	15	28	32	--	--
12/19/95	27.85	8.80	19.05	--	--	930	53	<2.5	<2.5	<2.5	39	--
01/31/96	27.85	5.50	22.35	--	--	3,700	320	<10	41	40	180	--
04/30/96	27.85	8.04	19.81	--	--	3,900	270	<20	<20	<20	120	--
08/01/96	27.85	9.18	18.67	--	--	2,700	140	11	18	28	200	--
10/30/96	27.85	10.76	17.09	--	--	2,700	140	<12	<12	<12	280	--
02/07/97	27.85	8.10	19.75	--	--	220	13	0.6	<0.5	1.6	15	--
05/07/97	27.85	9.52	18.33	--	--	5,200	33	12	21	26	330	--
07/22/97	27.85	10.42	17.43	--	--	4,200	80	<10	16	24	400	--
11/03/97	27.85	11.00	16.85	--	--	2,400	150	6.8	6.5	9.5	510	--
01/28/98	27.85	7.10	20.75	--	--	850	69	4.8	5.0	11	38/48[12]	--
05/08/98	27.85	7.71	20.14	--	--	4,200	200	30	40	42	310/200[12]	--
07/29/98	27.85	9.45	18.40	--	--	3,800	54	10	27	30	35/290[12]	--
11/06/98	27.85	10.70	17.15	--	--	4,800	100	20	12	23	360/210[12]	--
02/09/99[5]	27.85	5.98	21.87	--	--	2,950	79.5	<10	<10	<10	435/312[12]	--
05/13/99	27.85	8.14	19.71	--	--	4,180	147	12.8	16.5	20.3	433/245[12]	--
09/07/99	27.85	9.91	17.94	--	--	2,750	57.6	<5.0	6.53	<5.0	297/233[12]	--
11/24/99	27.85	10.49	17.36	--	--	2,550	38	3.18	2.54	5.21	216[1,12]	--
02/25/00	27.85	6.65	21.20	--	--	120	2.7	<0.5	<0.5	<0.5	20.5/11.9[12]	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
VH-1 (cont)													
05/10/00		27.85	8.09	19.76	--	--	1,400[8]	63	3.3	3.1	4.9	230/110[12]	--
7/31/00[11]		27.85	9.55	18.30	--	--	360[8]	22	2.7	1.6	3.1	100/88[12]	--
10/30/00[11]		27.85	9.94	17.91	--	--	987[10]	47.0	1.00	<0.500	1.80	153/130[12]	--
02/05/01		27.91	8.68	19.23	--	--	2,670	42.7	<5.00	<5.00	<5.00	225/160[12]	--
05/07/01[11]		27.91	8.30	19.61	--	--	1,800[6]	100	8.2	10	7.9	440/110[12]	--
08/06/01[11]		27.91	9.82	18.09	--	--	1,000[6]	67	6.1	2.1	7.1	270/140[12]	--
11/12/01[11]		27.91	10.62	17.29	--	--	220	1.2	<0.50	<0.50	<1.5	63/61[12]	--
02/11/02[11]		27.91	8.08	19.83	--	--	1,700	33	<5.0	6.3	3.8	64/52[12]	--
05/13/02[11]		27.91	8.70	19.21	--	--	2,700	54	4.1	5.6	6.2	100/80[12]	--
08/09/02[11]		27.91	9.41	18.50	--	--	2,400	37	2.4	1.2	3.4	86/89[12]	--
11/07/02[11]		27.91	10.57	17.34	--	--	150	1.3	<0.50	<0.50	<1.5	56/50[12]	--
02/04/03[11]		27.91	8.28	19.63	--	--	1,700	40	3.1	7.8	5.0	100/53[12]	--
05/05/03[11]		27.91	7.50	20.41	--	--	2,100	44	3.4	3.7	5.2	96/62[12]	--
09/06/03[11,14]		27.91	9.60	18.31	--	--	690	7	0.6	<0.5	0.6	59	--
11/14/03[11,14]		27.91	9.92	17.99	--	--	1,000	3	0.6	2	0.7	47	--
02/13/04[14,15]		27.91	7.93	19.98	--	--	2,400	30	2	4	3	47	--
05/13/04[14]		27.91	8.67	19.24	--	--	1,900	49	4	3	5	74	--
08/17/04[14]		27.91	9.65	18.26	--	--	1,800	11	1	0.9	2	58	--
11/10/04		27.91	INACCESSIBLE		--	--	--	--	--	--	--	--	--
02/08/05[14]		27.91	7.83	20.08	--	--	2,700	26	3	4	5	48	--
06/03/05[14]		27.91	8.20	19.71	--	--	3,100	40	5	6	9	45	--
08/05/05[14]		27.91	10.10	17.81	--	--	2,500	34	4	0.6	6	46	--
12/02/05[14]		27.91	8.98	18.93	--	--	3,500	69	7	2	8	57	--
03/03/06[14]	NP[18]	27.91	7.25	20.66	--	--	4,100	37	6	6	8	40	--
05/31/06[14]	NP[18]	27.91	8.17	19.74	--	--	4,100	33	5	3	8	34	--
08/18/06[14]		27.91	9.12	18.79	--	--	3,300	23	4	1	5	33	--
11/17/06[14]		27.91	9.27	18.64	--	--	3,200	18	3	0.6	3	33	--
02/09/07[14]	NP[18]	27.91	8.38	19.53	--	--	3,600	23	4	2	5	28	--
05/11/07[14]	NP[18]	27.91	8.38	19.53	--	--	3,200	14	3	1	5	26	--
08/10/07[14]	NP[18]	27.91	9.50	18.41	--	--	2,400	10	2	0.6	3	21	--
11/08/07[14]	NP[18]	27.91	9.66	18.25	--	--	3,000	10	2	0.5	2	18	--
02/07/08[14]	NP[18]	27.91	7.15	20.76	--	--	4,000	14	3	5	5	14	--
05/02/08[14]	NP[18]	27.91	8.95	18.96	--	--	3,000	14	3	2	4	17	--
07/31/08[14]	NP[18]	27.91	9.68	18.23	--	--	2,700	13	2	0.8	3	14	--
11/13/08[14]	NP[18]	27.91	10.18	17.73	--	--	2,500	6	1	<0.5	1	12	--
02/02/09[14]	NP[18]	27.91	9.91	18.00	--	--	4,000	7	1	<0.5	1	12	--
05/01/09[14]	NP[18]	27.91	9.16	18.75	--	--	3,900	20	3	3	6	15	--
08/10/09[14]	NP[18]	27.91	9.67	18.24	--	--	1,400	6	1	<0.5	1	11	--
01/29/10[14]	NP[18]	27.91	7.23	20.68	--	--	3,700	24	4	5	5	13	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE		TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
VH-1 (cont)													
08/23/10[14]	NP[18]	27.91	9.28	18.63	--	--	3,600	18	3	2	4	9	--
08/22/11[14]		27.91	9.28	18.63	--	--	3,400	12	2	0.8	3	7	--
05/10/12[14]	NP[18]	27.91	8.26	19.65	--	--	3,100	12	3	2	4	6	--
05/08/13[14]	NP[18]	27.91	8.98	18.93	--	--	3,500	12	2	1	5	5	--
05/13/14[14]	NP[18]	27.91	8.71	19.20	--	--	390	<0.5	<0.5	<0.5	<0.5	2	--
05/14/15[14]	NP[18]	27.91	9.15	18.76	--	--	290	<0.5	<0.5	<0.5	<0.5	2	--
05/02/16[14]	NP[18]	27.91	8.30	19.61	--	--	310	<0.5	<0.5	<0.5	<0.5	1	--
06/29/17[14]	**NP[18]**	**27.91**	**8.88**	**19.03**	**--**	**--**	**3,000**	**5**	**0.9**	**<0.5**	**2**	**2**	**--**
MW-2													
02/16/93		27.51	--	--	--	--	9,200	720	110	250	170	--	--
03/26/93		27.51	7.62	19.89	--	--	--	--	--	--	--	--	--
05/27/93		27.51	9.47	18.04	--	--	360	5.3	2.1	1.8	2.5	--	--
08/18/93		27.51	11.05	16.46	--	--	9,400	1,100	76	110	100	--	--
11/03/93		27.51	12.95	14.56	--	--	8,600	390	20	2.7	120	--	--
02/10/94		27.51	9.79	17.72	--	--	2,700	370	38	44	41	--	--
05/12/94		27.51	8.92	18.59	--	--	3,800	650	76	15	62	--	--
08/26/94		27.51	11.37	16.14	--	--	16,000	1,300	270	28	120	--	--
11/14/94		27.51	10.03	17.48	--	--	5,100	390	10	43	27	--	--
02/01/95		27.51	7.04	20.47	--	--	6,900	520	82	170	110	--	--
05/12/95		27.51	8.75	18.76	--	--	7,700	510	83	110	100	--	--
08/22/95		27.51	10.16	17.35	--	--	4,500	220	16	61	47	--	--
12/19/95		27.51	9.46	18.05	--	--	2,900	240	<10	19	18	220	--
01/31/96		27.51	5.60	21.91	--	--	3,900	320	18	72	39	<25	--
04/30/96		27.51	8.83	18.68	--	--	5,600	200	36	55	47	170	--
08/01/96		27.51	10.26	17.25	--	--	6,200	190	15	62	59	220	--
10/30/96		27.51	11.48	16.03	--	--	5,700	190	<25	67	36	260	--
02/07/97		27.51	9.40	18.11	--	--	8,300	210	34	70	59	330	--
05/07/97		27.51	9.94	17.57	--	--	6,900	190	12	38	37	530	--
07/22/97		27.51	11.15	16.36	--	--	10,000	18	25	62	41	630	--
11/03/97		27.51	11.58	15.93	--	--	6,500	260	8.5	26	14	590/9.6[4,12]	--
01/28/98		27.51	8.13	19.38	--	--	6,700	65	13	67	54	280/94[12]	--
05/08/98		27.51	8.62	18.89	--	--	5,500	91	38	43	61	220/62[12]	--
07/29/98		27.51	10.45	17.06	--	--	3,600	41	8.9	3.6	14	16/94[12]	--
11/06/98		27.51	11.62	15.89	--	--	6,900	77	<5.0	14	17	290/110[12]	--
02/09/99[5]		27.51	6.90	20.61	--	--	8,070	75.6	<10	<10	<10	397/144[12]	--
05/13/99		27.51	9.30	18.21	--	--	5,890	120	<5.0	12.5	26.6	401/69.4[12]	--
09/07/99		27.51	10.94	16.57	--	--	5,820	41.2	<5.0	14.6	<5.0	260/145[12]	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-2 (cont)												
11/24/99	27.51	11.53	15.98	--	--	5,940	40.9	<10	10.8	<10	120[1,12]	--
02/25/00	27.51	6.51	21.00	--	--	6,370	101	9.37	39.8	33.2	321/121[12]	--
05/10/00	27.51	9.02	18.49	--	--	6,100[8]	110	13	27	31	560/120[12]	--
07/31/00[11]	27.51	10.33	17.18	--	--	3,000[8]	75	14	28	28	200/130[12]	--
10/30/00[11]	27.51	10.56	16.95	--	--	6,810[10]	162	<5.00	8.05	<15.0	372/140[12]	--
02/05/01[11]	28.05	9.58	18.47	--	--	5,860	28.4	6.86	16.2	11.8	285/140[12]	--
05/07/01[11]	28.05	9.20	18.85	--	--	4,700[6]	120	15	30	42	540/88[12]	--
08/06/01[11]	28.05	10.74	17.31	--	--	3,700[6]	120	<20	28	33	490/110[12]	--
11/12/01[11]	28.05	11.45	16.60	--	--	7,000	29	<10	27	22	93/98[12]	--
02/11/02[11]	28.05	9.06	18.99	--	--	5,900	43	15	24	27	90/86[12]	--
05/13/02[11]	28.05	9.64	18.41	--	--	5,500	26	5.2	23	26	120/47[12]	--
08/09/02[11]	28.05	10.29	17.76	--	--	5,700	26	3.7	26	50	100/69[12]	--
11/07/02[11]	28.05	11.27	16.78	--	--	5,900	33	4.4	23	21	<100/69[12]	--
02/04/03[11]	28.05	9.13	18.92	--	--	5,400	22	4.7	13	14	<50/55[12]	--
05/05/03[11]	28.05	8.38	19.67	--	--	4,500	23	4.7	12	15	<50/31[12]	--
09/06/03[11,14]	28.05	10.40	17.65	--	--	3,200	13	2	7	7	54	--
11/14/03[11,14]	28.05	10.62	17.43	--	--	4,000	11	2	7	6	55	--
02/13/04[14,15]	28.05	8.79	19.26	--	--	6,200	6	2	8	8	31	--
05/13/04[14]	28.05	9.56	18.49	--	--	3,200	6	3	13	11	34	--
08/17/04[14]	28.05	10.48	17.57	--	--	4,300	7	1	6	5	46	--
11/10/04[14]	28.05	9.53	18.52	--	--	3,000	5	1	6	7	37	--
02/08/05[14]	28.05	8.71	19.34	--	--	4,700	3	2	10	8	22	--
06/03/05[14]	28.05	9.01	19.04	--	--	4,100	4	3	15	11	23	--
08/05/05[14]	28.05	9.76	18.29	--	--	3,500	4	1	<0.5	8	23	--
12/02/05[14]	28.05	9.64	18.41	--	--	2,900	4	2	3	3	24	--
03/03/06[14]	28.05	8.04	20.01	--	--	3,800	5	6	4	5	9	--
05/31/06[14]	28.05	9.01	19.04	--	--	4,600	2	1	3	3	8	--
08/18/06[14]	28.05	9.91	18.14	--	--	4,300	2	1	11	7	14	--
11/17/06[14]	28.05	9.95	18.10	--	--	4,600	2	0.7	7	4	14	--
02/09/07[14]	28.05	9.10	18.95	--	--	3,600	1	0.6	3	3	9	--
05/11/07[14]	28.05	9.12	18.93	--	--	3,600	2	1	5	5	8	--
08/10/07[14]	28.05	10.20	17.85	--	--	3,600	1	1	7	4	9	--
11/08/07[14]	28.05	10.35	17.70	--	--	3,600	2	0.7	5	2	7	--
02/07/08[14]	28.05	7.92	20.13	--	--	5,000	1	1	5	3	5	--
05/02/08[14]	28.05	9.49	18.56	--	--	3,300	1	0.9	3	2	4	--
07/31/08[14]	28.05	10.35	17.70	--	--	3,000	2	0.6	2	1	5	--
11/13/08[14]	28.05	10.81	17.24	--	--	3,800	2	0.5	2	0.8	4	--
02/02/09[14]	28.05	9.97	18.08	--	--	3,500	2	0.6	2	1	5	--
05/01/09[14]	28.05	9.70	18.35	--	--	3,900	2	1	4	3	4	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-2 (cont)												
08/10/09[14]	28.05	10.38	17.67	--	--	3,100	2	0.8	2	1	4	--
01/29/10[14]	28.05	7.98	20.07	--	--	3,200	1	0.8	2	1	5	--
08/23/10[14]	28.05	10.03	18.02	--	--	3,500	1	0.6	1	0.7	3	--
08/22/11[14]	28.05	9.73	18.32	--	--	3,700	1	0.6	1	0.9	3	--
05/10/12[14]	28.05	8.95	19.10	--	--	2,600	0.8	0.8	1	1	2	--
05/08/13[14]	28.05	9.66	18.39	--	--	2,800	0.9	0.5	0.5	0.7	2	--
05/13/14[14]	28.05	9.41	18.64	--	--	2,400	0.8	<0.5	<0.5	<0.5	2	--
05/14/15[14]	28.05	9.85	18.20	--	--	2,400	0.7	<0.5	<0.5	<0.5	1	--
05/02/16[14]	28.05	9.01	19.04	--	--	3,000	0.5	<0.5	<0.5	<0.5	0.9	--
06/29/17[14]	**28.05**	**9.06**	**18.99**	**--**	**--**	**2,000**	**<3**	**<3**	**<3**	**<3**	**<3**	**--**
MW-3												
02/16/93	28.50	--	--	--	--	3,500	<0.5	8.1	4.6	7.7	--	--
03/26/93	28.50	7.18	21.32	--	--	--	--	--	--	--	--	--
05/27/93	28.50	9.33	19.17	--	--	4,200	580	84	150	100	--	--
08/18/93	28.50	12.00	16.50		1,400	910	12	3.7	6.2	3.8	--	<5,000
11/03/93	28.50	13.29	15.21	--	--	5,300	29	1.9	0.6	27	--	--
02/10/94	28.50	9.63	18.87	--	<50	63	<0.5	0.7	<0.5	<0.5	--	--
05/12/94	28.50	8.77	19.73	--	84	<50	<0.5	0.5	<0.5	<0.5	--	--
08/26/94	28.50	11.42	17.08	--	--	2,100	12	<0.5	5.0	0.5	--	--
11/14/94	28.50	10.07	18.43	--	--	140	0.78	<0.5	<0.5	<0.5	--	--
02/01/95	28.50	6.29	22.21	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	28.50	8.07	20.43	--	540[2]	330	13	1.1	1.9	0.69	--	--
08/22/95	28.50	9.95	18.55	--	550[2]	980	32	<1.0	<1.0	<1.0	--	--
12/19/95	28.50	9.40	19.10	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	28.50	5.05	23.45	--	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	28.50	8.40	20.10	--	240[2]	320	2.4	<0.5	0.75	<0.5	7.8	--
08/01/96	28.50	9.80	18.70	--	470[2]	980	9.6	<0.5	0.98	2.2	54	--
10/30/96	28.50	11.48	17.02	--	760[2]	2,000	14	<10	<10	<10	140	--
02/07/97	28.50	8.60	19.90	--	61[2]	200[2]	<0.5	<0.5	<0.5	<0.5	8.9	--
05/07/97	28.50	9.01	19.49	--	550[2]	3,500	14	3.9	3.6	8.0	160	--
07/22/97	28.50	11.12	17.38	--	800[2]	3,500	55	<10	<10	<10	150	--
11/03/97	28.50	11.51	16.99	--	910[2]	4,100	140	<5.0	<5.0	<5.0	380	--
01/28/98	28.50	7.34	21.16	--	--	1,100	24	<1.2	<1.2	2.8	33/6.1[12]	--
05/08/98	28.50	8.06	20.44	--	250[2]	990	3.6	7.7	0.7	2.2	37/7.5[12]	--
07/29/98	28.50	10.25	18.25	--	290[2]	1,200	13	<0.5	<0.5	1.4	11/28[12]	--
11/06/98	28.50	11.39	17.11	--	390[2]	2,600	5.3	<2.5	<2.5	3.0	91/41[12]	--
02/09/99[5]	28.50	6.10	22.40	--	184[2]	406	<1.0	4.03	<1.0	<1.0	17.7/1.97[12]	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-3 (cont)												
05/13/99	28.50	9.12	19.38	--	--	615	13.8	1.05	<0.5	<0.5	43.5/21.2[12]	--
09/07/99	28.50	10.73	17.77	--	528[2]	2,710	<5.0	<5.0	<5.0	<5.0	96.3/57.9[12]	--
11/24/99	28.50	11.13	17.37	--	1,070[2]	5,530	<5.0	<5.0	5.59	<5.0	66[1,12]	--
02/25/00	28.50	6.28	22.22	--	--	189	4.68	<0.5	<0.5	<0.5	11.9/<2.0[12]	--
03/01/00	28.50	6.70	21.80	--	380[2]	--	--	--	--	--	--	--
05/10/00	28.50	8.60	19.90	--	830[7]	1,600[6]	22	<10	<10	<10	100/51[12]	--
07/31/00[11]	28.50	10.07	18.43	--	490[7]	2,200[6]	76	10	<5.0	13	230/52[12]	--
10/30/00[11]	28.50	10.53	17.97	--	580[9]	3,320[10]	<5.00	<5.00	<5.00	<15.0	147/64[12]	--
02/05/01[11]	29.04	9.26	19.78	--	--	3,960	<5.00	6.02	<5.00	<5.00	159/70[12]	--
05/07/01[11]	29.04	8.75	20.29	--	--	2,800[6]	61	12	<10	20	230/49[12]	--
05/10/01[11]	29.04	8.83	20.21	--	390[13]	--	--	--	--	--	--	--
08/06/01[11]	29.04	10.45	18.59	--	870[7]	1,600[6]	39	14	1.3	5.6	130/43[12]	--
11/12/01[11]	29.04	11.22	17.82	--	1,400	3,100	3.6	23	2.3	5.6	40/46[12]	--
02/11/02[11]	29.04	8.38	20.66	--	700	4,000	10	<5.0	4.2	5.5	44/42[12]	--
05/13/02[11]	29.04	9.20	19.84	--	730	2,500	18	<5.0	<5.0	5.2	44/32[12]	--
08/09/02[11]	29.04	10.17	18.87	--	560	2,700	17	<5.0	<5.0	<10	45/33[12]	--
11/07/02[11]	29.04	11.13	17.91	--	660	2,600	24	<5.0	2.0	4.8	51/37[12]	--
02/04/03[11]	29.04	8.60	20.44	--	370	2,200	13	1.5	2.7	5.0	<50/24[12]	--
05/05/03[11]	29.04	7.82	21.22	--	580	2,100	14	1.8	2.0	3.9	<20/19[12]	--
09/06/03[11,14]	29.04	10.25	18.79	--	780	1,800	2	0.6	0.6	1	28	--
11/14/03[11,14]	29.04	10.52	18.52	--	860	2,000	1	0.6	0.6	0.9	30	--
02/13/04[14,15]	29.04	8.28	20.76	--	590	3,600	1	0.6	1	2	21	--
05/13/04[14]	29.04	9.17	19.87	--	670	1,600	1	<0.5	0.5	1	20	--
08/17/04[14]	29.04	10.25	18.79	--	900	2,500	1	<0.5	<0.5	0.7	25	--
11/10/04[14]	29.04	9.23	19.81	--	780	1,500	1	0.6	0.5	1	27	--
02/08/05[14]	29.04	8.12	20.92	--	530	2,500	1	0.6	2	3	11	--
06/03/05[14]	29.04	8.57	20.47	--	600	1,700	1	<0.5	0.7	1	9	--
08/05/05[14]	29.04	10.60	18.44	--	530[16]	980	0.6	<0.5	<0.5	0.8	9	--
12/02/05[14]	29.04	9.58	19.46	--	1,400[17]	2,400	1	2	0.8	1	7	--
03/03/06[14]	29.04	7.58	21.46	--	530	2,300	0.8	1	<0.5	1	4	--
05/31/06[14]	29.04	8.53	20.51	--	480	2,700	0.6	<0.5	<0.5	0.8	4	--
08/18/06[14]	29.04	9.71	19.33	--	410	2,700	<0.5	<0.5	<0.5	0.6	6	--
11/17/06[14]	29.04	9.81	19.23	--	390	2,600	<0.5	<0.5	<0.5	1	4	--
02/09/07[14]	29.04	8.88	20.16	--	640	2,100	<0.5	<0.5	<0.5	1	3	--
05/11/07[14]	29.04	8.71	20.33	--	350	1,400	<0.5	<0.5	<0.5	2	2	--
08/10/07[14]	29.04	9.98	19.06	--	340	1,300	<0.5	<0.5	<0.5	1	2	--
11/08/07[14]	29.04	10.11	18.93	--	440	1,400	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/08[14]	29.04	7.28	21.76	--	320	2,100	<0.5	0.7	1	2	0.7	--
05/02/08[14]	29.04	9.18	19.86	--	260	1,300	<0.5	<0.5	<0.5	<0.5	2	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-3 (cont)												
07/31/08[14]	29.04	10.13	18.91	--	500	2,900	<0.5	<0.5	<0.5	<0.5	1	--
11/13/08[14]	29.04	10.58	18.46	--	880	1,800	<0.5	<0.5	<0.5	<0.5	2	--
02/02/09[14]	29.04	9.58	19.46	--	310[19]	2,000	<0.5	<0.5	<0.5	<0.5	2	--
05/01/09[14]	29.04	9.40	19.64	--	51[20]	1,500	<0.5	<0.5	<0.5	<0.5	2	--
08/10/09[14]	29.04	10.21	18.83	--	470	1,300	<0.5	<0.5	<0.5	<0.5	3	--
01/29/10[14]	29.04	7.39	21.65	--	420	2,600	<0.5	<0.5	2	1	1	--
08/23/10[14]	29.04	9.70	19.34	--	410	2,000	<0.5	<0.5	<0.5	<0.5	2	--
08/22/11[14]	29.04	9.96	19.08	<41/<40[21]	500/250[21]	2,500	<0.5	<0.5	<0.5	<1	2	--
05/10/12[14]	29.04	8.50	20.54	--	350/160[21]	1,300	<0.5	<0.5	<0.5	<0.5	1	--
05/08/13[14]	29.04	9.40	19.64	--	460/140[21,22]	1,700	<0.5	<0.5	<0.5	<0.5	2	--
05/13/14[14]	29.04	9.03	20.01	--	200/140[21,22]	1,200	<0.5	<0.5	<0.5	<0.5	1	--
05/14/15[14]	29.04	9.53	19.51	--	260/120[21,22]	1,800	<0.5	<0.5	<0.5	<0.5	1	--
05/02/16[14]	29.04	8.55	20.49	--	160[21,22]	2,000	<0.5	<0.5	<0.5	<0.5	0.8	--
06/29/17[14]	**29.04**	**9.16**	**19.88**	**--**	**140[21,22]**	**1,400**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1**	**--**
MW-4												
08/22/95	27.27	9.11	18.16	--	--	9,600	100	<10	<10	<10	--	--
12/19/95	27.27	8.30	18.97	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	27.27	5.60	21.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	27.27	7.00	20.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/01/96	27.27	9.15	18.12	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/30/96	27.27	10.74	16.53	--	--	110	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	27.27	7.80	19.47	--	--	80	<0.5	<0.5	<0.5	<0.5	4.1	--
05/07/97	27.27	5.85	21.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/22/97	27.27	10.05	17.22	--	--	150	<0.5	<0.5	<0.5	<0.5	<2.5	--
11/03/97	27.27	10.72	16.55	--	--	52	0.9	<0.5	<0.5	<0.5	--[3]	--
01/28/98	27.27	6.51	20.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0[12]	--
05/08/98	27.27	7.02	20.25	--	--	56	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0[12]	--
07/29/98	27.27	8.95	18.32	--	--	<50	0.9	<0.5	<0.5	<0.5	<2.5/<2.0[12]	--
11/06/98	27.27	10.59	16.68	--	--	72	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0[12]	--
02/09/99	27.27	5.86	21.41	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0/<1.1[12]	--
05/13/99	27.27	7.95	19.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0[12]	--
09/07/99	27.27	9.48	17.79	--	--	70.2	<0.5	<0.5	<0.5	<0.5	<2.0/<1.0[12]	--
11/24/99	27.27	10.05	17.22	--	--	227	<0.5	<0.5	<0.5	<0.5	<0.5[12]	--
02/25/00	27.27	INACCESSIBLE		--	--	--	--	--	--	--	--	--
03/01/00	27.27	6.17	21.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5/<2.0[12]	--
05/10/00	27.27	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--
07/31/00	27.27	9.37	17.90	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0[12]	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-4 (cont)												
10/30/00	27.27	9.47	17.80	--	--	54.0[10]	<0.500	<0.500	<0.500	<1.50	<2.50/<2.0[12]	--
02/05/01	27.27	INACCESSIBLE - CAR PARKED OVER WELL				--	--	--	--	--	--	--
05/07/01	27.27	7.81	19.46	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0[12]	--
08/06/01	27.27	9.78	17.49	--	--	<50	1.1	0.52	<0.50	1.1	6.0/<2.0[12]	--
11/12/01	27.27	10.41	16.86	--	--	93	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]	--
02/11/02	27.27	7.64	19.63	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]	--
05/13/02	27.27	8.32	18.95	--	--	54	<0.50	0.84	<0.50	<1.5	<2.5/<2[12]	--
08/09/02	27.27	9.25	18.02	--	--	54	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]	--
11/07/02	27.27	10.42	16.85	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[12]	--
02/04/03	27.27	7.75	19.52	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[12]	--
05/05/03	27.27	6.90	20.37	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5/<0.5[12]	--
09/06/03[14]	27.27	9.50	17.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03[14]	27.27	9.80	17.47	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04[14]	27.27	7.36	19.91	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04[14]	27.27	8.28	18.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04[14]	27.27	9.63	17.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04[14]	27.27	8.46	18.81	--	--	52	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05[14]	27.27	7.20	20.07	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05[14]	27.27	7.61	19.66	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05[14]	27.27	9.44	17.83	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05[14]	27.27	8.35	18.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/06[14]	27.27	6.45	20.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/31/06[14]	27.27	7.51	19.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/18/06[14]	27.27	8.42	18.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/17/06[14]	27.27	8.96	18.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/09/07[14]	27.27	7.73	19.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/11/07[14]	27.27	7.60	19.67	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/07[14]	27.27	9.01	18.26	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/08/07[14]	27.27	9.26	18.01	--	--	<50	<0.5	<0.5	<0.5	1	1	--
02/07/08[14]	27.27	6.38	20.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08[14]	27.27	8.12	19.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08[14]	27.27	9.28	17.99	--	--	75	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08[14]	27.27	9.93	17.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/02/09[14]	27.27	9.02	18.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/01/09[14]	27.27	8.29	18.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/09[14]	27.27	9.50	17.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
01/29/10[14]	27.27	6.57	20.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/23/10[14]	27.27	8.96	18.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/22/11[14]	27.27	8.85	18.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
MW-4 (cont)												
05/10/12[14]	27.27	7.55	19.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/08/13[14]	27.27	8.58	18.69	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/14[14]	27.27	8.29	18.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/14/15[14]	27.27	8.81	18.46	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/16[14]	27.27	7.64	19.63	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/29/17[14]	**27.27**	**8.42**	**18.85**	**--**	**--**	**79**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**
TRIP BLANK												
05/27/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
08/18/93	--	--	--	--	1,400	<50	<0.5	<0.5	<0.5	<1.5	--	<5,000
11/03/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/10/94	--	--	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/94	--	--	--	--	84	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/14/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/01/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/31/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/30/96	--	--	--	--	--	<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	--
10/30/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/07/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/07/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/22/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0[12]	--
05/08/98	--	--	--	--	--	--	--	--	--	--	<2.0[12]	--
07/29/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0[12]	--
11/06/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/09/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/13/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0[12]	--
09/07/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
11/24/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/25/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/01/00	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/10/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/31/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
TRIP BLANK (cont)				--								
10/30/00	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.50	<2.50	--
02/05/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
05/07/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
05/10/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/06/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
QA				--								
11/12/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/13/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/09/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/07/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/04/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
09/06/03[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/14/03[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/04[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/13/04[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/17/04[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/10/04[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/05[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/05[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/05/05[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/02/05[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/03/06[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/31/06[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/18/06[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/17/06[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/09/07[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/11/07[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/07[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/08/07[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/07/08[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/02/09[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/01/09[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/10/09[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/08/13[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-MO (µg/L)	TPH-DRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	TOG (µg/L)
QA (cont)												
05/13/14[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/14/15[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/16[14]	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/29/17[14]	**--**	**--**	**--**	**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**

Table 2
Groundwater Monitoring Data and Analytical Results
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to May 10, 2000 were compiled from reports prepared by Blaine Tech Services, Inc.
Groundwater monitoring data and laboratory analytical results from May 10, 2000 to May 10, 2012 were provided by Gettler-Ryan Inc.
Current groundwater monitoring data was provided by Gettler-Ryan Inc. Current laboratory analytical results were provided by Eurofins Lancaster Laboratories.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH = Total Petroleum Hydrocarbons
MO = Motor Oil
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MtBE = Methyl tertiary-butyl ether
TOG = Total Oil and Grease
(µg/L) = Micrograms per liter
NP = No purge
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations were re-surveyed on March 8, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was a City of Oakland benchmark, being a cut square top of curb at the centerline return at the northwest corner of East 14th and 37th Avenue, (Benchmark Elevation = 38.21 feet, NGVD 29).

[1] Lab could not get a good ion chromatogram match for MtBE. See laboratory report.

[2] Chromatogram pattern indicates an unidentified hydrocarbon.

[3] No value for MtBE could be determined; see lab report for analyses.

[4] Confirmation run.

[5] ORC was installed.

[6] Laboratory report indicates gasoline C6-C12.

[7] Laboratory report indicates unidentified hydrocarbons <C16.

[8] Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

[9] Laboratory report indicates unidentified hydrocarbons >C16.

[10] Laboratory report indicates hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

[11] ORC in well.

[12] MtBE by EPA Method 8260.

[13] Laboratory report indicates unidentified hydrocarbons C9-C17.

[14] BTEX and MtBE by EPA Method 8260.

[15] ORC removed from well.

[16] Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It eludes in the TPH-DRO range earlier and later than #2 fuel.

[17] Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It eludes in the TPH-DRO range earlier than #2 fuel.

[18] No purge; unable to access well with truck.

[19] Laboratory report indicates the LCS/LCSD recovery for the TPH-DRO analysis is outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction so all results are reported from the original extract. Similar results were obtained in both extracts.

[20] Laboratory report indicates the surrogate data is outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction. Therefore, all results are reported from the original extract. The TPH-DRO result for the reextraction was 190 ug/L.

[21] Analyzed with silica gel cleanup.

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

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)
VH-1	02/05/01	<500	<50	<2.0	<2.0	<2.0
MW-2	02/05/01	<500	<50	<2.0	<2.0	<2.0
MW-3	02/05/01	<500	<50	<2.0	<2.0	<2.0
	08/22/11	<50	<5	<0.5	<0.5	<0.5

Table 3
Groundwater Analytical Results - Oxygenate Compounds
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

EXPLANATIONS:

TBA = Tertiary-Butyl Alcohol
DIPE = Di-Isopropyl Ether
EtBE = Ethyl Tertiary-Butyl Ether
TAME = Tertiary-Amyl Methyl Ether
(µg/L) = Micrograms per liter
-- = Not Analyzed

ANALYTICAL METHOD:
EPA Method 8260 for Oxygenate Compounds

Table 4
Groundwater Analytical Results - Metals and PPL Volatiles
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)	n-Butylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	Naphthalene (µg/L)
MW-3									
08/22/11	2.6	173	8.3	308	123	3	3	4	2

EXPLANATIONS:

(µg/L) = Micrograms per liter
PPL = priority pollutant list
Only metals and PPL volatiles with historically detected concentrations are shown.

ANALYTICAL METHODS:

PPL volatiles by EPA Method 8260B
Wear metals by EPA Method 6010B

Table 5
Groundwater Analytical Results - PCBs
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID/ DATE	PCB- 1016 (µg/L)	PCB- 1221 (µg/L)	PCB- 1232 (µg/L)	PCB- 1242 (µg/L)	PCB- 1248 (µg/L)	PCB- 1254 (µg/L)	PCB- 1260 (µg/L)
MW-3							
08/22/11	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.15

EXPLANATIONS:

(µg/L) = Micrograms per liter
PCBs = Polychlorinated Biphenyls

ANALYTICAL METHODS:

PCBs by EPA Method 8082

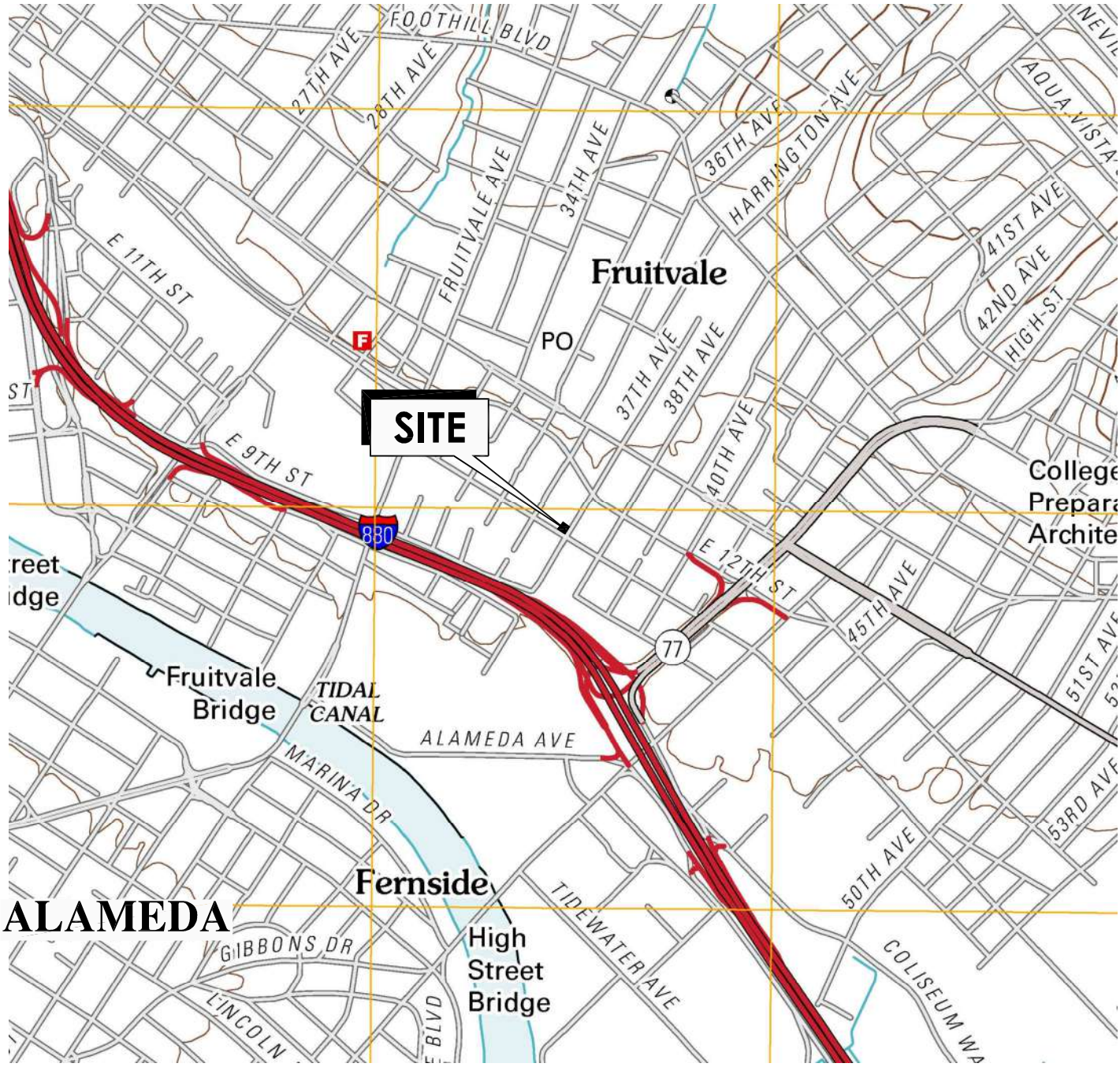
Table 6
Dissolved Oxygen Levels
Former Chevron-branded Service Station 94612
3616 San Leandro Street
Oakland, California

WELL ID	DATE	PRE-PURGE D.O. *(mg/L)*
VH-1	05/10/00	0.90
	07/31/00	1.25
	10/30/00	1.97
	05/07/01	1.10
	08/06/01	1.40
	11/12/01	0.90
	02/11/02	1.10
	05/13/02	0.70
MW-2	05/10/00	0.57
	07/31/00	1.26
	10/30/00	1.25
	05/07/01	0.90
	08/06/01	1.10
	11/12/01	0.80
	02/11/02	0.60
	05/13/02	0.80
MW-3	05/10/00	1.56
	07/31/00	1.46
	10/30/00	1.18
	05/07/01	0.70
	08/06/01	0.90
	11/12/01	0.50
	02/11/02	0.80
	05/13/02	1.80
MW-4	07/31/00	0.64
	10/30/00	0.97
	05/07/01	0.50
	08/06/01	0.70
	11/12/01	1.00
	02/11/02	1.00
	05/13/02	2.90

EXPLANATIONS:

D.O. = Dissolved Oxygen
(mg/L) = Milligrams per liter
-- = Not Measured

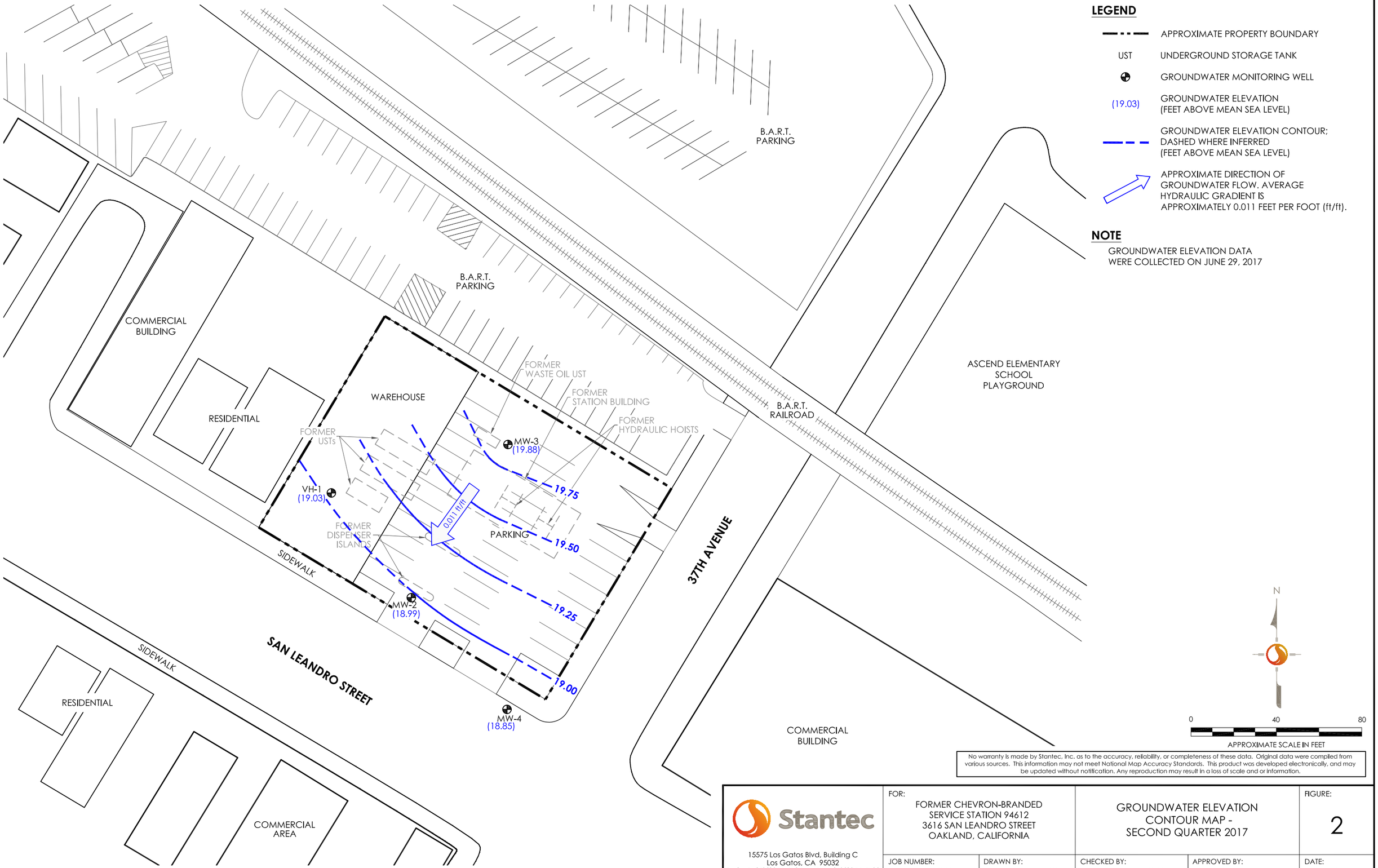
FIGURES



REFERENCE: USGS 7.5 MINUTE QUADRANGLE; OAKLAND EAST, CALIFORNIA; 2012

Stantec 15575 Los Gatos Blvd, Building C Los Gatos, CA 95032 PHONE: (408)356-6124 FAX: (408)356-6138	FOR: FORMER CHEVRON-BRANDED SERVICE STATION 94612 3616 SAN LEANDRO STREET OAKLAND, CALIFORNIA	SITE LOCATION MAP		FIGURE: 1
	JOB NUMBER: 211602402	DRAWN BY: JRO	CHECKED BY: EEO/MRK	APPROVED BY: TLF	DATE: 07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 17, 2017 at 9:47 | Layout: fig1_slm



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

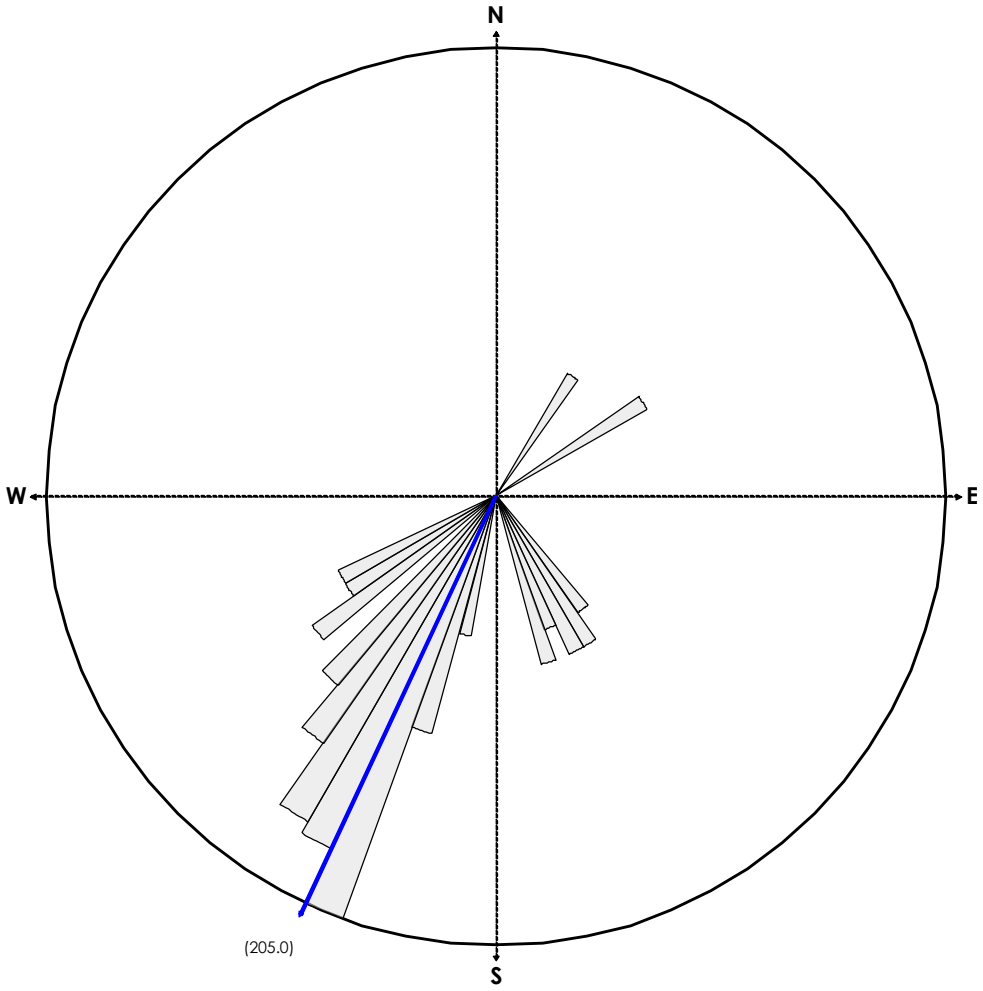
FOR:
FORMER CHEVRON-BRANDED SERVICE STATION 94612
3616 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP - SECOND QUARTER 2017

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602402	JRO	EEO/MRK	TLF	07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 18, 2017 at 14:25 | Layout: fig2_gwe



EQUAL AREA PLOT

Number of Points	65
Class Size	5
Vector Mean	205.02
Vector Magnitude	54.61
Consistency Ratio	0.84

NOTE: ROSE DIAGRAM IS BASED ON THE DIRECTION OF GROUNDWATER FLOW BEGINNING FIRST QUARTER 1993.

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

FOR:
FORMER CHEVRON-BRANDED
SERVICE STATION 94612
3616 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

GROUNDWATER FLOW DIRECTION
ROSE DIAGRAM -
SECOND QUARTER 2017

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602402	JRO	EEO/MRK	TLF	07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 17, 2017 at 10:10 | Layout: fig3_rose

LEGEND

——·——	APPROXIMATE PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK
⊕	GROUNDWATER MONITORING WELL

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
MtBE	METHYL TERTIARY-BUTYL ETHER

µg/L = MICROGRAMS PER LITER

NA = NOT ANALYZED

MW-3	*µg/L*
TPH-GRO	**1,400**
TPH-DRO	**140**
B	*<0.5*
T	*<0.5*
E	*<0.5*
X	*<0.5*
MtBE	**1**

VH-1	*µg/L*
TPH-GRO	**3,000**
TPH-DRO	*NA*
B	**5**
T	**0.9**
E	*<0.5*
X	**2**
MtBE	**2**

MW-2	*µg/L*
TPH-GRO	**2,000**
TPH-DRO	*NA*
B	*<3*
T	*<3*
E	*<3*
X	*<3*
MtBE	*<3*

MW-4	*µg/L*
TPH-GRO	**79**
TPH-DRO	*NA*
B	*<0.5*
T	*<0.5*
E	*<0.5*
X	*<0.5*
MtBE	*<0.5*

B.A.R.T. PARKING
COMMERCIAL BUILDING
RESIDENTIAL
WAREHOUSE
FORMER WASTE OIL UST
FORMER STATION BUILDING
FORMER HYDRAULIC HOISTS
FORMER USTs
FORMER DISPENSER ISLANDS
PARKING
B.A.R.T. RAILROAD
ASCEND ELEMENTARY SCHOOL PLAYGROUND
37TH AVENUE
SIDEWALK
SAN LEANDRO STREET
RESIDENTIAL
COMMERCIAL AREA
COMMERCIAL BUILDING
MW-3
VH-1
MW-2
MW-4

N

0 40 80

APPROXIMATE SCALE IN FEET

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

FOR:
FORMER CHEVRON-BRANDED SERVICE STATION 94612
3616 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

SITE PLAN SHOWING GROUNDWATER CONCENTRATIONS - SECOND QUARTER 2017

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602402	JRO	EEO/MRK	TLF	07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 17, 2017 at 11:51 | Layout: fig4_gwc

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- UST — UNDERGROUND STORAGE TANK
- GROUNDWATER MONITORING WELL
- (3,000) — TPH-GRO CONCENTRATION (µg/L)
- INFERRED TPH-GRO CONTOUR
- TPH-GRO — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE ORGANICS
- (µg/L) — MICROGRAMS PER LITER

B.A.R.T. PARKING

B.A.R.T. PARKING

COMMERCIAL BUILDING

RESIDENTIAL

WAREHOUSE

FORMER WASTE OIL UST

FORMER STATION BUILDING

FORMER HYDRAULIC HOISTS

FORMER USTs

MW-3 (1,400)

VH-1 (3,000)

FORMER DISPENSER ISLANDS

PARKING

SIDEWALK

1,000

100

MW-2 (2,000)

SAN LEANDRO STREET

MW-4 (79)

B.A.R.T. RAILROAD

37TH AVENUE

ASCEND ELEMENTARY SCHOOL PLAYGROUND

SIDEWALK

RESIDENTIAL

COMMERCIAL AREA

COMMERCIAL BUILDING

N

0 40 80

APPROXIMATE SCALE IN FEET

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

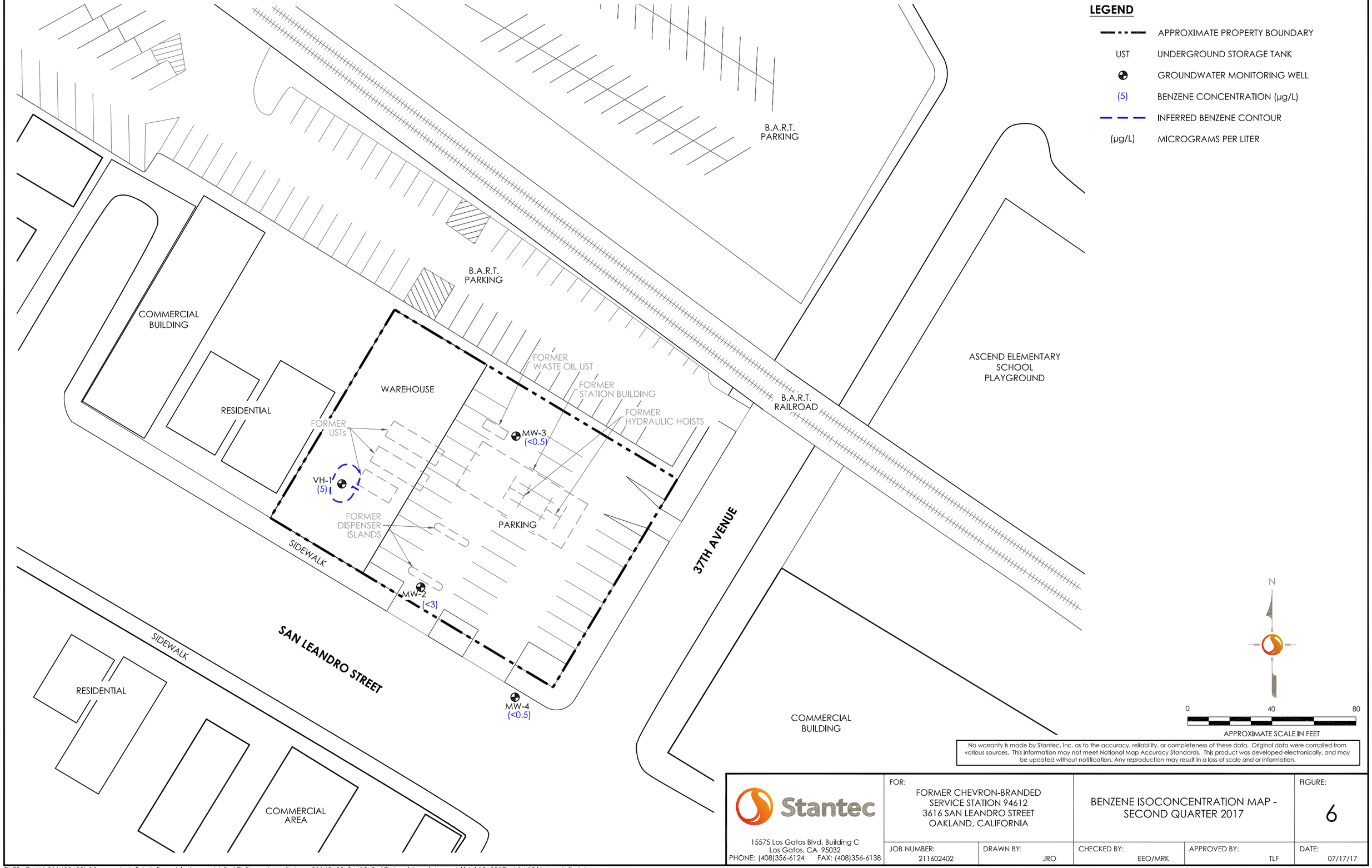
FOR: FORMER CHEVRON-BRANDED SERVICE STATION 94612
3616 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

TPH-GRO ISOCONCENTRATION MAP - SECOND QUARTER 2017

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602402	JRO	EEO/MRK	TLF	07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 18, 2017 at 14:29 | Layout: fig5_tphg



No warranty is made by Stantec, Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

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 94612 3616 SAN LEANDRO STREET OAKLAND, CALIFORNIA	BENZENE ISOCONCENTRATION MAP - SECOND QUARTER 2017		6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211602402	JRO	EEO/MRK	TLF	07/17/17

FILEPATH:U:\211602402\05_report_deliv\deliverables\reports\2q17\figures\cad\dwg_21162402_94612_2q17.dwg | Jopalekopsahl | Jul 18, 2017 at 14:19 | Layout: fig6_benz

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

GETTLER-RYAN INC.

TRANSMITTAL

July 10, 2017
G-R #17156473

TO: Mr. Travis Flora
Stantec
15575 Los Gatos Boulevard
Los Gatos, CA 95032

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

RE: Former Chevron Service Station #9-4612
3616 San Leandro Street
Oakland, California
RO 0000233

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Annual Event of June 29, 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.

trans/9-4612

WELL CONDITION STATUS SHEET

Client/ Facility #: Chevron #9-4612
Site Address: 3616 San Leandro Street
City: Oakland, CA

Job #: 17156473
Event Date: 6.29.17
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)
VH-1	OK	NA	→	→	OK	→	→	↓	↓	10"x8" UTILITY BOX	
MW-2	OK	→	→	S=2	OK	→	→			MORRISON/8"/2	
MW-3	OK	→	→	S=2	OK	→	→			" " "	
MW-4	OK	→	→	→	→	→	→			EMCO/8"/2	

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 #9-4612 Job Number: 17156473
Site Address: 3616 San Leandro Street Event Date: 6.29.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID VH-1 Date Monitored: 6.29.17
Well Diameter 2 (4) in.
Total Depth 28.97 ft.
Depth to Water 8.88 ft. ☐ Check if water column is less then 0.50 ft.

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

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

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

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

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

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

Start Time (purge): — Weather Conditions: Sunny
Sample Time/Date: 1645 / 6.29.17 Water Color: CLEAR Odor: Ⓨ / N MODERATE
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? — If yes, Time: Volume: gal. DTW @ Sampling:

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

LABORATORY INFORMATION

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

COMMENTS: NO PURGE SAMPLE TAKEN, WELL IS LOCATED IN BUILDING RESTROOM.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 17156473
Site Address: 3616 San Leandro Street Event Date: 6.29.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-2 Date Monitored: 6.29.17
Well Diameter 2 1/4 in.
Total Depth 19.46 ft.
Depth to Water 9.06 ft.

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

☐ Check if water column is less then 0.50 ft.

10.40 xVF .17 = 1.76 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.14

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

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

Start Time (purge): 1500 Weather Conditions: SUNNY
Sample Time/Date: 1520 / 6.29.17 Water Color: LT. GRAY Odor: (Y) / N SLIGHT
Approx. Flow Rate: ✓ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 9.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1503	1.5	7.18	700	21.4		
1506	3.0	7.21	709	21.2		
1509	4.0	7.22	715	21.1	✓	✓

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 17156473
Site Address: 3616 San Leandro Street Event Date: 6.29.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-3 Date Monitored: 6.29.17
Well Diameter 2 4 in.
Total Depth 17.96 ft.
Depth to Water 9.16 ft.

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

☐ Check if water column is less then 0.50 ft.

8.80 xVF .17 = 1.49 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.92

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

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

Start Time (purge): 1535 Weather Conditions: SUNNY
Sample Time/Date: 1554 6.29.17 Water Color: LT. GRAY Odor: (Y) / N SLIGHT
Approx. Flow Rate: ✓ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 9.35

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
1538	1.5	7.23	678	21.3		
1541	3.0	7.24	685	21.1		
1544	4.0	7.28	690	20.9		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-4612 Job Number: 17156473
Site Address: 3616 San Leandro Street Event Date: 6.29.17 (inclusive)
City: Oakland, CA Sampler: PT

Well ID MW-4 Date Monitored: 6.29.17
Well Diameter 2 4 in.
Total Depth 17.84 ft.
Depth to Water 8.42 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.

9.42 xVF .17 = 1.60 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.30

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): 1610 Weather Conditions: SUNNY
Sample Time/Date: 1630 6.29.17 Water Color: BRN Odor: Y / (N)
Approx. Flow Rate: / gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 8.54

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1613	1.5	7.49	530	21.5		
1616	3.0	7.51	537	21.2		
1620	5.0	7.53	545	21.0		

LABORATORY INFORMATION

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

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # _____ Group # _____ Sample # _____

Instructions on reverse side correspond with circled numbers.

1 of 1

SCR #: _____

Client Information

Facility # SS#9-4612-OML G-R#17156473 Global ID#T0600100333 WBS

Site Address 3616 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 T.

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Matrix: Soil	Matrix: Sediment	Matrix: Water (Potable / Ground / NPDES / Surface)	Matrix: Oil	Matrix: Air	Total Number of Containers	BTEX + MTBE 8260	BTEX + MTBE 8021	TPH-GRO 8260	TPH-GRO 8015	TPH-DRO 8015 without Silica Gel Cleanup	TPH-DRO 8015 with Silica Gel Cleanup	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		17.6.29						W			2	X		X							
VH-1			1645	X							6	X		X							
MW-2			1520	X							6	X		X							
MW-3			1554	X							8	X		X			X				
MW-4			1630	X							6	X		X							

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

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

- ☐ 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

Remarks

TPH-DRO WITH SILICA GEL REQUESTING 10 GRAM COLUMN CLEAN-UP WITH CAPRIC ACID REVERSE SURROGATE

Turnaround Time Requested (TAT) (please circle)

Standard | 5 day | 4 day | 72 hour | 48 hour | 24 hour

Data Package (circle if required) **EDF/EDD**

Type I - Full | Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) | Other: _____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	17.6.30		[signature]	6/30/17	1130
[signature]					

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature Upon Receipt _____ °C

Custody Seals Intact? Yes No

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

eurofins | Lancaster Laboratories Environmental

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

Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Report Date: July 14, 2017

Project: 94612

Submittal Date: 07/01/2017
Group Number: 1820664
PO Number: 0015235605
Release Number: CMACLEOD
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
QA-T-170629 NA Water	9083350
VH-1-W-170629 Grab Groundwater	9083351
MW-2-W-170629 Grab Groundwater	9083352
MW-3-W-170629 Grab Groundwater	9083353
MW-4-W-170629 Grab Groundwater	9083354

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: Erin O'Malley
Electronic Copy To	Stantec	Attn: Marisa Kaffenberger
Electronic Copy To	Stantec	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-170629 NA Water
Facility# 94612 Job# 17156473 GRD
3616 San Leandro-Oakland T0600100333

LL Sample # WW 9083350
LL Group # 1820664
Account # 10906

Project Name: 94612

Collected: 06/29/2017

Submitted: 07/01/2017 09:50
Reported: 07/14/2017 19:40

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	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	D171911AA	07/10/2017 14:35	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171911AA	07/10/2017 14:35	Anthony H Downey	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17187A20A	07/06/2017 12:18	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17187A20A	07/06/2017 12:18	Brett W Kenyon	1

Sample Description: VH-1-W-170629 Grab Groundwater
Facility# 94612 Job# 17156473 GRD
3616 San Leandro-Oakland T0600100333

LL Sample # WW 9083351
LL Group # 1820664
Account # 10906

Project Name: 94612

Collected: 06/29/2017 16:45 by FT

Submitted: 07/01/2017 09:50
Reported: 07/14/2017 19:40

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOV1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	5	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1
10945	Toluene	108-88-3	0.9	0.5	1
10945	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,000	50	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	BTEX/MTBE	SW-846 8260B	1	D171911AA	07/10/2017 14:59	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171911AA	07/10/2017 14:59	Anthony H Downey	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17187A20A	07/06/2017 14:36	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17187A20A	07/06/2017 14:36	Brett W Kenyon	1

Sample Description: MW-2-W-170629 Grab Groundwater
Facility# 94612 Job# 17156473 GRD
3616 San Leandro-Oakland T0600100333

LL Sample # WW 9083352
LL Group # 1820664
Account # 10906

Project Name: 94612

Collected: 06/29/2017 15:20 by FT

Submitted: 07/01/2017 09:50
Reported: 07/14/2017 19:40

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.	3	5
10945	Ethylbenzene	100-41-4	N.D.	3	5
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5
10945	Toluene	108-88-3	N.D.	3	5
10945	Xylene (Total)	1330-20-7	N.D.	3	5
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	2,000	250	5

Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	D171911AA	07/10/2017 15:23	Anthony H Downey	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171911AA	07/10/2017 15:23	Anthony H Downey	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17187A20A	07/06/2017 20:34	Brett W Kenyon	5
01146	GC VOA Water Prep	SW-846 5030B	1	17187A20A	07/06/2017 20:34	Brett W Kenyon	5

Sample Description: MW-3-W-170629 Grab Groundwater
Facility# 94612 Job# 17156473 GRD
3616 San Leandro-Oakland T0600100333

LL Sample # WW 9083353
LL Group # 1820664
Account # 10906

Project Name: 94612

Collected: 06/29/2017 15:54 by FT

Submitted: 07/01/2017 09:50
Reported: 07/14/2017 19:40

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,400	50	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	140	50	1
	The reverse surrogate, capric acid, is present at <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	BTEX/MTBE	SW-846 8260B	1	D171911AA	07/10/2017 15:47	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171911AA	07/10/2017 15:47	Anthony H Downey	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17187A20A	07/06/2017 15:04	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17187A20A	07/06/2017 15:04	Brett W Kenyon	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	171870014A	07/12/2017 15:52	Thomas C Wildermuth	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	171870014A	07/06/2017 23:45	Sherry L Morrow	1

Sample Description: MW-4-W-170629 Grab Groundwater
Facility# 94612 Job# 17156473 GRD
3616 San Leandro-Oakland T0600100333

LL Sample # WW 9083354
LL Group # 1820664
Account # 10906

Project Name: 94612

Collected: 06/29/2017 16:30 by FT

Submitted: 07/01/2017 09:50
Reported: 07/14/2017 19:40

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

SLOM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10945	Toluene	108-88-3	N.D.	0.5	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	79	50	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	BTEX/MTBE	SW-846 8260B	1	D171911AA	07/10/2017 16:11	Anthony H Downey	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D171911AA	07/10/2017 16:11	Anthony H Downey	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17187A20A	07/06/2017 15:31	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17187A20A	07/06/2017 15:31	Brett W Kenyon	1

Quality Control Summary

Client Name: Chevron
Reported: 07/14/2017 19:40

Group Number: 1820664

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: D171911AA	Sample number(s): 9083350-9083354	
Benzene	N.D.	0.5
Ethylbenzene	N.D.	0.5
Methyl Tertiary Butyl Ether	N.D.	0.5
Toluene	N.D.	0.5
Xylene (Total)	N.D.	0.5
Batch number: 17187A20A	Sample number(s): 9083350-9083354	
TPH-GRO N. CA water C6-C12	N.D.	50
Batch number: 171870014A	Sample number(s): 9083353	
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32

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: D171911AA	Sample number(s): 9083350-9083354								
Benzene	20	17.4			87		78-120		
Ethylbenzene	20	17.47			87		78-120		
Methyl Tertiary Butyl Ether	20	19.35			97		75-120		
Toluene	20	17.94			90		80-120		
Xylene (Total)	60	55.12			92		80-120		
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17187A20A	Sample number(s): 9083350-9083354								
TPH-GRO N. CA water C6-C12	1100	991.96	1100	989.13	90	90	80-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 171870014A	Sample number(s): 9083353								
TPH-DRO CA C10-C28 w/ Si Gel	1600	1159.2	1600	1235.71	72	77	40-105	6	20

*- 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: 07/14/2017 19:40

Group Number: 1820664

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: D171911AA	Sample number(s): 9083350-9083354 UNSPK: P083335									
Benzene	0.524	20	21.3	20	20.93	104	102	78-120	2	30
Ethylbenzene	N.D.	20	21.92	20	21.49	110	107	78-120	2	30
Methyl Tertiary Butyl Ether	N.D.	20	21.7	20	21.61	109	108	75-120	0	30
Toluene	N.D.	20	20.66	20	20.89	103	104	80-120	1	30
Xylene (Total)	N.D.	60	64.52	60	64.27	108	107	80-120	0	30

Surrogate Quality Control

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

Analysis Name: BTEX/MTBE
Batch number: D171911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
9083350	105	98	97	93
9083351	100	95	99	103
9083352	102	96	99	98
9083353	102	95	98	102
9083354	105	98	97	96
Blank	105	102	97	96
LCS	102	97	98	100
MS	102	99	98	107
MSD	101	98	100	110
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 17187A20A

	Trifluorotoluene-F
9083350	92
9083351	132
9083352	95
9083353	96
9083354	90
Blank	86
LCS	97
LCSD	97
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 171870014A

*- 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: 07/14/2017 19:40

Group Number: 1820664

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: 171870014A

	Orthoterphenyl
9083353	84
Blank	86
LCS	86
LCSD	95
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

eurofins | Lancaster Laboratories Environmental

Acct. # 10906 063017-03

For Eurofins Lancaster Laboratories Environmental use only
Group # 1820664 Sample # 908350-54
Instructions on reverse side correspond with circled numbers.

1 of 1

SCR #: _____

Client Information

Facility # SS#9-4612-OML WBS G-R#17156473 Global ID#T0600100333

Site Address: 3616 SAN LEANDRO STREET, OAKLAND, CA

Chevron PM: CM

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 T.

Matrix

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

Analyses Requested

Sample Identification	Soil Depth	Collected Date	Collected Time	Grab	Composite	Total Number of Containers	BTEX + MTBE 8260 ☒ / 8021 ☐	TPH-GRO 8260 ☐ / 8015 ☒	TPH-DRO 8015 without Silica Gel Cleanup ☐	TPH-DRO 8015 with Silica Gel Cleanup ☒ (Column)	8260 Full Scan	Oxygenates	Total Lead Method	Dissolved Lead Method
QA		17.6.29				2	X	X						
VH-1			1645	X		6	X	X						
MW-2			1520	X		6	X	X						
MW-3			1554	X		8	X	X		X				
MW-4		↓	1630	X		6	X	X						

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

Remarks

TPH-DRO WITH SILICA GEL REQUESTING 10 GRAM COLUMN CLEAN-UP WITH CAPRIC ACID REVERSE SURROGATE

Turnaround Time Requested (TAT) (please circle)

(Standard) 5 day 4 day
72 hour 48 hour 24 hour

Data Package (circle if required) EDF/EDD

Type I - Full Type VI (Raw Data)

EDD (circle if required)

EDFFLAT (default) Other: _____

Relinquished by	Date	Time	Received by	Date	Time
	17.6.30			6/30/17	1130
	6/30/17	1610	FE		

Relinquished by Commercial Carrier: UPS ____ FedEx ✓ Other ____

Received by: Date 7/1/17 Time 9:50

Temperature Upon Receipt 0.8 - 5.4 °C

Custody Seals Intact? (Yes) No

Client: CALIFORNIA OFFICE

Delivery and Receipt Information

Delivery Method:	BASC	Arrival Timestamp:	07/01/2017 9:50
Number of Packages:	4	Number of Projects:	5
State/Province of Origin:	CA		

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:	No
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 Nicole Reiff (25684) at 12:06 on 07/01/2017

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	DT146	5.4	DT	Wet	Y	Bagged	N
2	DT146	2.4	DT	Wet	Y	Bagged	N
3	DT146	4.3	DT	Wet	Y	Bagged	N
4	DT146	0.8	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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 ≥ 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.

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.

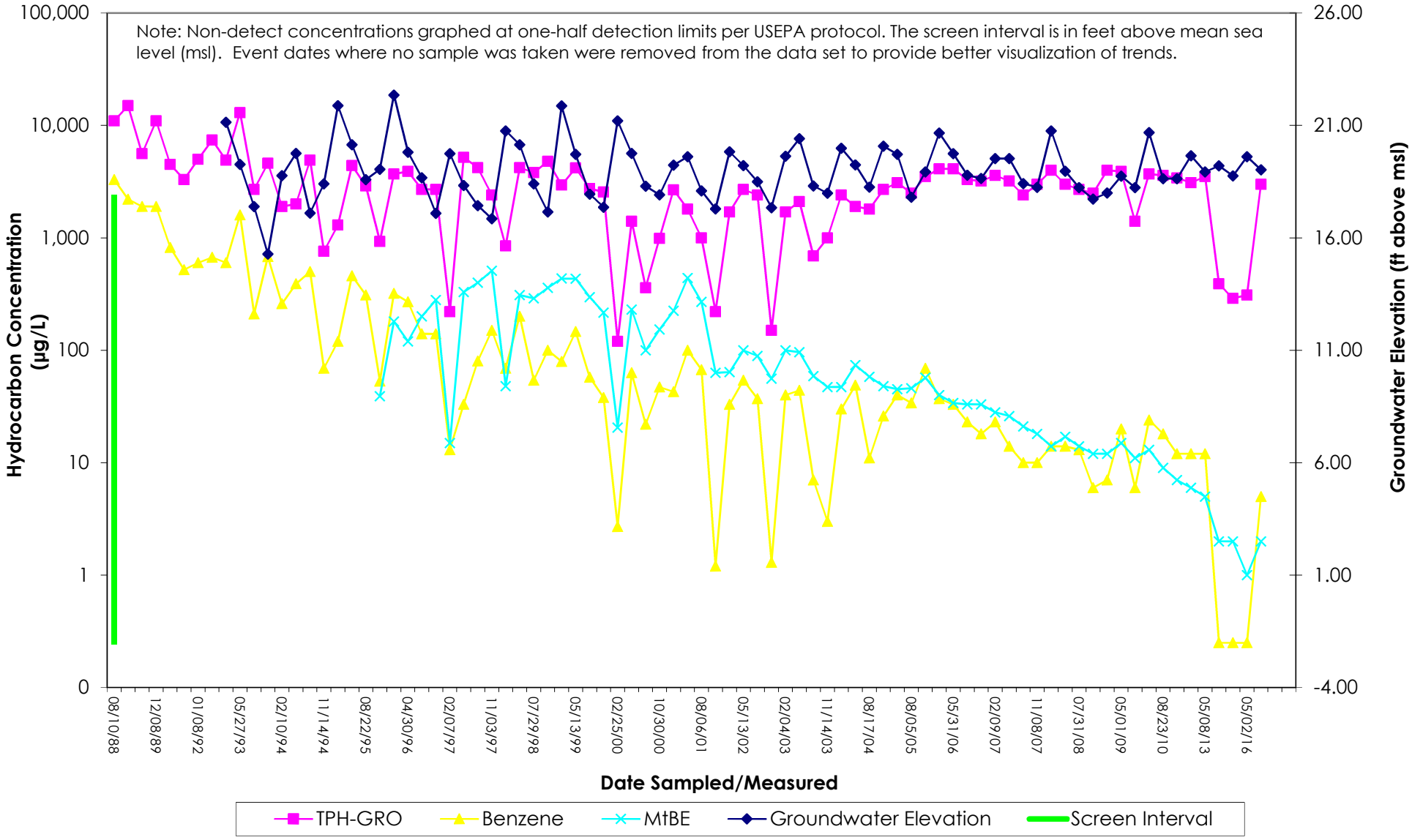
ATTACHMENT C
Hydrographs

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

Former Chevron-branded Service Station 94612

3616 San Leandro Street

Oakland, California

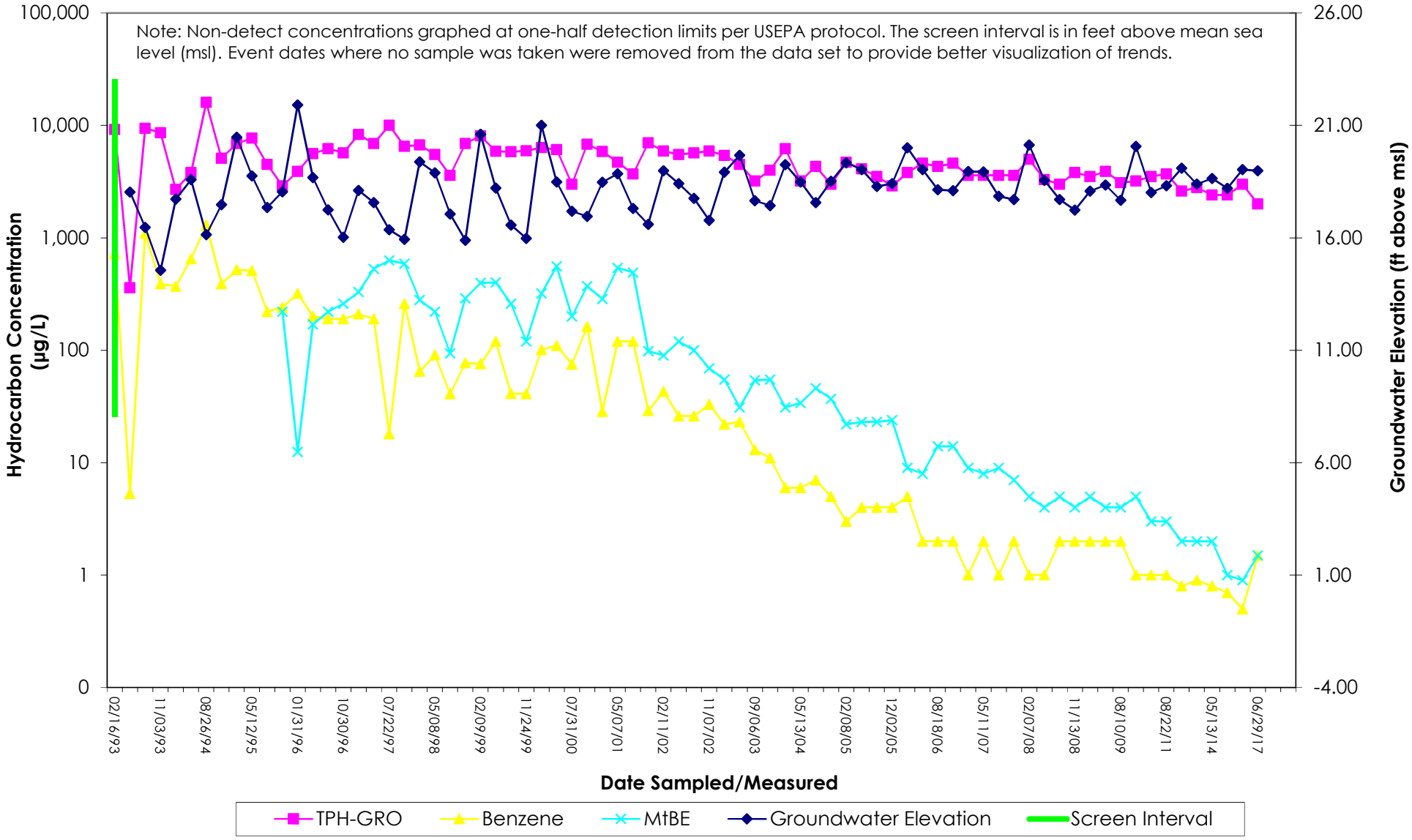


MW-2 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Former Chevron-branded Service Station 94612

3616 San Leandro Street

Oakland, California

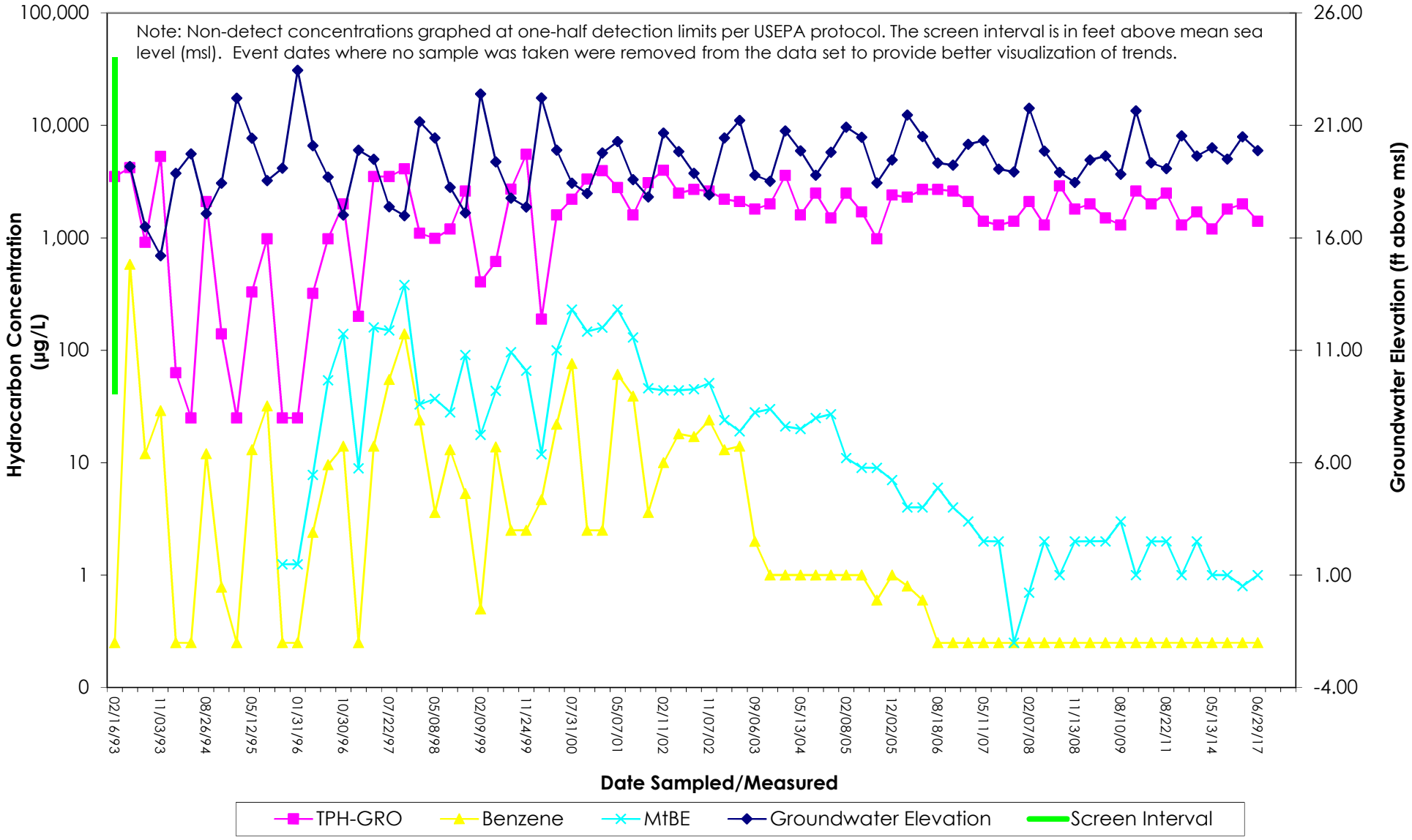


MW-3 TPH-GRO, Benzene, & MtBE Concentrations and Groundwater Elevations vs. Time

Former Chevron-branded Service Station 94612

3616 San Leandro Street

Oakland, California



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

Former Chevron-branded Service Station 94612

3616 San Leandro Street

Oakland, California