James P. Kiernan, P.E.
Project Manager

Chevron Environmental Management Company
6001 Bollinger Canyon Road
Room C2102
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October 27, 2017

RECEIVED
By Alameda County Environmental Health 9:44 am, Nov 02, 2017

Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: 76 Station No. 0746 (351647)
Semi-Annual Status Report-Third Quarter 2017
3943 Broadway, Oakland, California
Fuel Leak Case No.: RO0000203
GeoTracker Global ID #T0600101471

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

The information in this report is accurate to the best of my knowledge. This report was prepared by Arcadis, upon whose assistance and advice I have relied.

Sincerely,

James P. Kiernan, P.E.
Project Manager

Attachment: *Semi-Annual Status Report-Third Quarter 2017* by Arcadis

Arcadis U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco
CA 94104
Tel 415-374-2744
www.arcadis.com

Mr. Keith Nowell
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

ENVIRONMENT

Subject:
Semi-Annual Status Report, Third Quarter 2017

Dear Mr. Nowell,

On behalf of Chevron Environmental Management Company's (CEMC's) affiliate, Union Oil Company of California (Union Oil), Arcadis has prepared the attached *Semi-Annual Status Report – Third Quarter 2017* for the following facility:

76 Station No.	**Case No.**	**Location**
0746	RO0000203	3943 Broadway Oakland, CA 94611

If you have any questions, please do not hesitate to contact me.

Sincerely,

Arcadis U.S., Inc.

Carl Edwards
Project Manager

Date:
October 27, 2017

Contact:
Carl Edwards

Phone:
415.432.6945

Email:
Carl.Edwards@arcadis.com

Our ref:
GMR35135.1647

Copies:
Geotracker Database
Mr. James Kiernan, CEMC (electronic)
Mr. Ed Ralston, Phillips 66 (electronic)
Mr. Clement K. Leung, CJS Leung, LLC (electronic)

ARCADIS Design & Consultancy for natural and built assets

SEMI-ANNUAL STATUS REPORT
Third Quarter 2017
October 27, 2017

Facility No:	76 Station No. 0746	Address:	3943 Broadway, Oakland CA 94611

Arcadis Contact Person / Phone No.:	Carl Edwards / 415-432-6945
Arcadis Project No.:	GMR35135.1647
Primary Agency/Regulatory ID No.:	Alameda County Department of Environmental Health (ACDEH) LOP Case # RO0000203: Keith Nowell / San Francisco Bay RWQCB (Region 2) – Case # 01-1596

WORK CONDUCTED THIS PERIOD [Second and Third Quarter 2017]:

1. Conducted semi-annual groundwater monitoring activities on September 15, 2017
2. Completed monthly absorbent sock inspection and changeouts.
3. Prepared the *Semi-Annual Status Report, Third Quarter 2017*.
4. Completed on-site portion of *Soil Vapor Investigation Work Plan* in May 2017.

WORK CONDUCTED/PROPOSED NEXT PERIOD [Fourth Quarter 2017 and First Quarter 2018]:

1. Conduct semi-annual groundwater monitoring activities.
2. Conduct monthly absorbent sock inspection and changeouts.
3. Prepare the *Semi-Annual Status Report, First Quarter 2018*.
4. Continue pursuing off-site access to complete *Soil Vapor Investigation Work Plan*.

Current Phase of Project:	Monitoring and monthly absorbent sock changeout / assessment	
Frequency of Monitoring / Sampling:	Semi-Annual	
Are Phase Separate Hydrocarbons (PSH) Present On-site:	Not observed in wells (absorbent socks deployed)	
Cumulative PSH Recovered to Date:	Approximately 6.00	(gallons)
Approximate Depth to Groundwater:	7.54 to 12.94	(feet below top of casing)
Approximate Groundwater Elevation:	65.29 to 73.09	(feet above mean sea level)

Groundwater Flow Direction	South-southwest	
Groundwater Gradient	0.031	(feet per foot)
Current Remediation Techniques:	Absorbent socks deployed in wells MW-5 and RW-1	
Permits for Discharge:	None	
Summary of Unusual Activity:	Off-site wells MW-8 and MW-9 were not sampled due to inaccessibility of adjacent property.	
Agency Directive Requirements:	Implement off-site portion of *Soil Vapor Investigation Work Plan* per letters dated February 16 and April 4, 2017.	

DISCUSSION

Gettler-Ryan, Inc. (GR) conducted semi-annual groundwater monitoring activities on September 15, 2017. Field data sheets and general procedures are included as Attachment A. Eleven (11) wells (MW-1 through MW-7, MW-10 through MW-12, and RW-1) were gauged, purged and sampled by GR representatives. Monthly phase-separate hydrocarbon (PSH) gauging and absorbent sock changeout occurred in wells MW-5 and RW-1 on April 19, May 31, July 1 (June event), July 28, August 10, and September 15, 2017 in accordance with the *Response to Comments on Low Threat Closure Request, Data Gap Investigation Workplan, and Focused Site Conceptual Model* dated October 30, 2015. Sock evaluations conducted by GR indicated the possible presence of PSH in MW-5 during the April through September events. GR photos displayed brown to black color staining along the length of the socks (30 to 36 inches) in MW-5 with a sheen noted on the groundwater during the September 2017 sampling. This staining was not observed in RW-1 during the monthly sock change events. Additionally, as shown in Table 1, no measurable thickness of PSH was observed in MW-5 or RW-1 during the reporting period. Due to this, no measurable volume of PSH was removed from the wells.

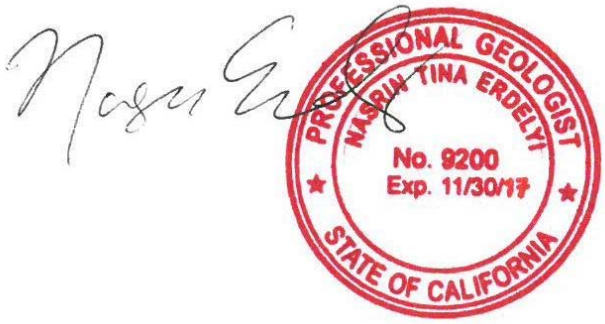
Groundwater samples were submitted to BC Laboratories, Inc. of Bakersfield, California under standard chain-of-custody protocols. Gauging and analytical data obtained by GR during this period are summarized in Table 1. Historical gauging and analytical data for the site are summarized in Table 2 and Attachment B. The site location and layout are presented on Figures 1 and 2, respectively; the groundwater elevation contours for the site on September 15, 2017 are presented on Figure 3. Isoconcentration contours for total petroleum hydrocarbons as gasoline (TPH-g), benzene, and methyl tert-butyl ether (MTBE) are presented on Figures 4 through 6, respectively. A copy of the laboratory analytical report and chain-of-custody documentation are included in Attachment C.

The direction of groundwater flow and calculated gradient, and the groundwater analytical results were consistent with previous monitoring events. The detected concentrations were within the historical ranges in the wells. Residual TPHg, benzene and MTBE are primarily limited to two or three on-site monitoring wells and the extent is adequately delineated by the current monitoring well network. Conditions meet low-threat closure criteria.

Arcadis recommends continued semi-annual monitoring activities to further evaluate groundwater quality and concentration trends. Continued monthly PSH gauging and absorbent sock changeout is recommended for wells MW-5 and RW-1, and will continue as requested by ACDEH. Attempts to regain access to monitoring wells MW-8 and MW-9 to further delineate the extent of impacts downgradient on the adjacent property will also continue. Arcadis has been in contact with a representative of the adjacent property owners who reportedly understands the scope of work included in the *Soil Vapor Investigation Work Plan*; however, he has yet to set up a meeting with the owners to explain our work and review the access terms. As such, Arcadis requested a 6-month extension from ACDEH based on progress with access negotiations on October 2, 2017. The extension requested was considered by ACDEH to be excessive and a refined submittal date for the Soil Vapor Investigation Report will be determined when a more accurate timeline for access can be provided (Attachment D).

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Arcadis' contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Chevron Environmental Management Company's affiliate, Union Oil Company of California ("Union Oil"), for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Arcadis. To the extent that this report is based on information provided to Arcadis by third parties, Arcadis may have made efforts to verify this third-party information, but Arcadis cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied are made by Arcadis.



Date: October 27, 2017

Nasrin Erdelyi, P.G. #9200
Staff Geologist

Date: October 27, 2017

Carl Edwards
Project Manager

ATTACHMENTS:

Table 1	Current Groundwater Gauging and Analytical Results
Table 2	Historical Groundwater Gauging and Analytical Results – July 2016 to Current
Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation Contour Map, September 15, 2017
Figure 4	TPH-g Isoconcentration Map, September 15, 2017
Figure 5	Benzene Isoconcentration Map, September 15, 2017
Figure 6	MTBE Isoconcentration Map, September 15, 2017
Attachment A	Field Data Sheets and General Procedures
Attachment B	Historical Groundwater Analytical Data
Attachment C	Laboratory Report and Chain-of-Custody Documentation
Attachment D	ACDEH Correspondence

TABLES

Table 1. Current Groundwater Gauging and Analytical Results
Union Oil Company of California
Former 76 Station No. 0746
3943 Broadway, Oakland, California

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft amsl)	DTW (ft bTOC)	PSH thickness (ft)	GW Elev (ft amsl)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Ethanol (µg/L)	Comments
MW-1	9/15/2017	5-20	80.54	7.83	0.00	72.71	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-2	9/15/2017	5-20	81.32	9.14	0.00	72.18	<50	<0.50	<0.50	<0.50	<1.0	**0.59**	<0.50	<0.50	<250	--
MW-3	9/15/2017	5-22.5	81.41	9.56	0.00	71.85	**4,800**	**1.3**	<0.50	**5.8**	<1.0	**12**	<0.50	<0.50	<250	Sheen on water
MW-4*	9/15/2017	5-20	81.48	8.72	0.00	72.76	**4,200**	<0.50	<0.50	**2.5**	<1.0	<0.50	<0.50	<0.50	<250	--
MW-5	4/17/2017	5-20	81.38	6.78	0.00	74.60	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	5/31/2017	5-20	81.38	8.34	0.00	73.04	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	7/1/2017	5-20	81.38	9.52	0.00	71.86	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	7/28/2017	5-20	81.38	8.92	0.00	72.46	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	8/10/2017	5-20	81.38	8.93	0.00	72.45	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	9/15/2017	5-20	81.38	9.22	0.00	72.16	**7,100**	**120**	<0.50	**49**	**23**	<0.50	<0.50	<0.50	<250	New sock installed, Sheen
MW-6	9/15/2017	5-20	79.94	7.54	0.00	72.40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-7*	9/15/2017	5-20	81.64	8.55	0.00	73.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-8	9/15/2017	5-22	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-9	9/15/2017	5-22	80.53	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-10	9/15/2017	6-22	81.61	12.94	0.00	68.67	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-11	9/15/2017	5-19	78.18	12.89	0.00	65.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-12	9/15/2017	5-17.5	79.61	7.97	0.00	71.64	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
RW-1	4/17/2017	5-15	80.63	5.83	0.00	74.80	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	5/31/2017	5-15	80.63	7.22	0.00	73.41	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	7/1/2017	5-15	80.63	7.63	0.00	73.00	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	7/28/2017	5-15	80.63	7.75	0.00	72.88	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	8/10/2017	5-15	80.63	7.98	0.00	72.65	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	9/15/2017	5-15	80.63	8.16	0.00	72.47	**600**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	New sock installed

Notes:

MW = Groundwater monitoring well
RW = Recovery well
TOC = Top of casing
ft amsl = Feet above mean sea level
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
PSH = Phase separate hydrocarbons
ft = Feet
GW Elev = Groundwater elevation
µg/L = Micrograms per liter
Bold = Value exceeds laboratory reporting limits;
<0.50 = Not detected at or above the stated limit
-- = Not sampled/not measured
* = TOC elevation last measured 6/14/2006

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Environmental Protection Agency (EPA) Method 8015B
Samples analyzed by EPA Method 8260B:
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)
MTBE = Methyl tert-butyl ether
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
If PSH is present, GW Elevation is corrected according to the following formula
(TOC elevation - DTGW) + (0.8 x PSH thickness)
Data QA/QC by: IC 10.05.2017 & CAE 10.27.2017

Table 2. Historical Groundwater Gauging and Analytical Results - July 2016 to Current
Union Oil Company of California
Former 76 Station No. 0746
3943 Broadway, Oakland, California

Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft amsl)	DTW (ft bTOC)	PSH thickness (ft)	GW Elev (ft amsl)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Ethanol (µg/L)	Comments
MW-1	12/22/2016	5-20	80.54	7.26	0.00	73.28	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-1	3/24/2017	5-20	80.54	6.36	0.00	74.18	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-1	9/15/2017	5-20	80.54	7.83	0.00	72.71	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-2	12/22/2016	5-20	81.32	8.81	0.00	72.51	<50	<0.50	<0.50	<0.50	<1.0	**1.2**	<0.50	<0.50	<250	--
MW-2	3/24/2017	5-20	81.32	6.61	0.00	74.71	<50	<0.50	<0.50	<0.50	<1.0	**4.1**	<0.50	<0.50	<250	--
MW-2	9/15/2017	5-20	81.32	9.14	0.00	72.18	<50	<0.50	<0.50	<0.50	<1.0	**0.59**	<0.50	<0.50	<250	--
MW-3	12/22/2016	5-22.5	81.41	8.59	0.00	72.82	**8,600**	**0.71**	<0.50	**26**	**18**	**8.4**	<0.50	<0.50	<250	--
MW-3	3/25/2017	5-22.5	81.41	7.22	0.00	74.19	**3,200**	**1.4**	<0.50	**6.4**	<1.0	**8.6**	<0.50	<0.50	<250	--
MW-3	9/15/2017	5-22.5	81.41	9.56	0.00	71.85	**4,800**	**1.3**	<0.50	**5.8**	<1.0	**12**	<0.50	<0.50	<250	Sheen on water
MW-4*	12/22/2016	5-20	81.48	8.01	0.00	73.47	**3,700**	**0.87**	<0.50	**2.2**	**3.0**	<0.50	<0.50	<0.50	<250	--
MW-4*	3/25/2017	5-20	81.48	6.68	0.00	74.80	**1,600**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-4*	9/15/2017	5-20	81.48	8.72	0.00	72.76	**4,200**	<0.50	<0.50	**2.5**	<1.0	<0.50	<0.50	<0.50	<250	--
MW-5	7/13/2016	5-20	81.38	9.66	0.00	71.72	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	8/24/2016	5-20	81.38	9.94	0.00	71.44	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	9/16/2016	5-20	81.38	9.34	0.00	72.04	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	10/4/2016	5-20	81.38	10.08	0.00	71.30	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	11/16/2016	5-20	81.38	9.43	0.00	71.95	--	--	--	--	--	--	--	--	--	New sock installed
MW-5	12/22/2016	5-20	81.38	8.21	0.00	73.17	**6,900**	**95**	<0.50	**69**	**22**	<0.50	<0.50	<0.50	<250	New sock not installed (drum full)
MW-5	1/20/2017	5-20	81.48	6.67	0.00	74.81	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	2/16/2017	5-20	81.48	7.13	0.00	74.35	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	3/25/2017	5-20	81.38	6.69	0.00	74.69	**3,200**	**4.4**	<0.50	**4.9**	<1.0	<0.50	<0.50	<0.50	<250	New sock installed
MW-5	4/17/2017	5-20	81.38	6.78	0.00	74.60	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	5/31/2017	5-20	81.38	8.34	0.00	73.04	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	7/1/2017	5-20	81.38	9.52	0.00	71.86	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	7/28/2017	5-20	81.38	8.92	0.00	72.46	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	8/10/2017	5-20	81.38	8.93	0.00	72.45	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
MW-5	9/15/2017	5-20	81.38	9.22	0.00	72.16	**7,100**	**120**	**<0.50**	**49**	**23**	**<0.50**	**<0.50**	**<0.50**	**<250**	New sock installed, Sheen
MW-6	12/22/2016	5-20	79.94	6.96	0.00	72.98	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-6	3/24/2017	5-20	79.94	5.92	0.00	74.02	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-6	9/15/2017	5-20	79.94	7.54	0.00	72.40	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-7*	12/22/2016	5-20	81.64	8.07	0.00	73.57	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-7*	3/24/2017	5-20	81.64	7.16	0.00	74.48	**73**	<0.50	<0.50	<0.50	<1.0	**1.3**	<0.50	<0.50	<250	--
MW-7*	9/15/2017	5-20	81.64	8.55	0.00	73.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--

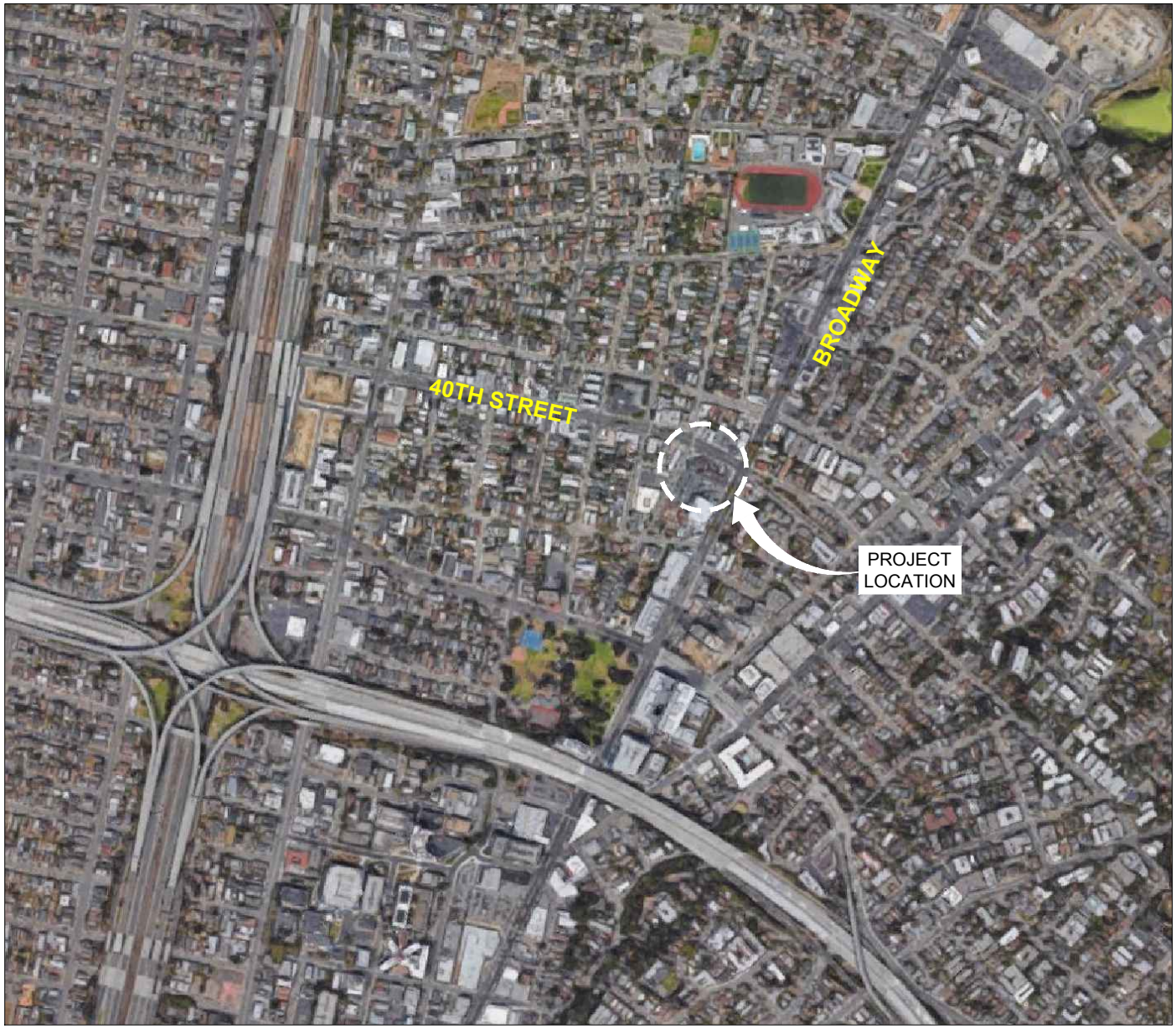
Well ID	Sample Date	Screen Interval (ft bTOC)	TOC (ft amsl)	DTW (ft bTOC)	PSH thickness (ft)	GW Elev (ft amsl)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	EDB (µg/L)	EDC (µg/L)	Ethanol (µg/L)	Comments
MW-8	12/22/2016	5-22	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-8	3/24/2017	5-22	81.41	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-8	9/15/2017	5-22	81.41	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-9	12/22/2016	5-22	80.53	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-9	3/24/2017	5-22	80.53	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-9	9/15/2017	5-22	80.53	--	--	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-10	12/22/2016	6-22	81.61	13.91	0.00	67.70	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-10	3/24/2017	6-22	81.61	10.04	0.00	71.57	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-10	9/15/2017	6-22	81.61	12.94	0.00	68.67	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-11	12/22/2016	5-19	78.18	12.96	0.00	65.22	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-11	3/24/2017	5-19	78.18	11.77	0.00	66.41	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-11	9/15/2017	5-19	78.18	12.89	0.00	65.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-12	12/22/2016	5-17.5	79.61	7.91	0.00	71.70	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
MW-12	3/24/2017	5-17.5	79.61	7.95	0.00	71.66	<50	<0.50	<0.50	<0.50	<1.0	**0.93**	<0.50	<0.50	<250	--
MW-12	9/15/2017	5-17.5	79.61	7.97	0.00	71.64	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	--
RW-1	7/13/2016	5-15	80.63	8.83	0.00	71.80	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	8/24/2016	5-15	80.63	9.20	0.00	71.43	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	9/16/2016	5-15	80.63	9.34	0.00	71.29	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	10/4/2016	5-15	80.63	9.31	0.00	71.32	--	--	--	--	--	--	--	--	--	New sock installed
RW-1	11/16/2016	5-15	80.63	8.30	0.00	72.33	--	--	--	--	--	--	--	--	--	New sock not installed (drum full)
RW-1	12/22/2016	5-15	80.63	7.32	0.00	73.31	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	New sock not installed (drum full)
RW-1	1/20/2017	5-15	79.61	5.95	0.00	73.66	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	2/16/2017	5-15	79.61	5.98	0.00	73.63	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	3/25/2017	5-15	80.63	5.44	0.00	75.19	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	New sock installed
RW-1	4/17/2017	5-15	80.63	5.83	0.00	74.80	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	5/31/2017	5-15	80.63	7.22	0.00	73.41	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	7/1/2017	5-15	80.63	7.63	0.00	73.00	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	7/28/2017	5-15	80.63	7.75	0.00	72.88	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	8/10/2017	5-15	80.63	7.98	0.00	72.65	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	New sock installed
RW-1	9/15/2017	5-15	80.63	8.16	0.00	72.47	**600**	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	New sock installed

Notes:

MW = Groundwater monitoring well
RW = Recovery well
TOC = Top of casing
ft amsl = Feet above mean sea level
DTW = Depth to groundwater
ft bTOC = Feet below top of casing
PSH = Phase separate hydrocarbons
ft = Feet
GW Elev = Groundwater elevation
µg/L = Micrograms per liter
Bold = Value exceeds laboratory reporting limits;
PSH thickness is greater than 0.00 ft
<0.50 = Not detected at or above the stated limit
-- = Not sampled/not measured
* = TOC elevation last measured 6/14/2006

TPH-g = Total petroleum hydrocarbons, gasoline range by LUFT GC/MS according to Environmental Protection Agency (EPA) Method 8015B
Samples analyzed by EPA Method 8260B:
Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX)
MTBE = Methyl tert-butyl ether
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
Ethanol
J = Estimated value (between laboratory reporting limit and method detection limit)
If PSH is present, GW Elevation is corrected according to the following formula
(TOC elevation - DTGW) + (0.8 x PSH thickness)
Data QA/QC by: IC 10.05.2017

FIGURES

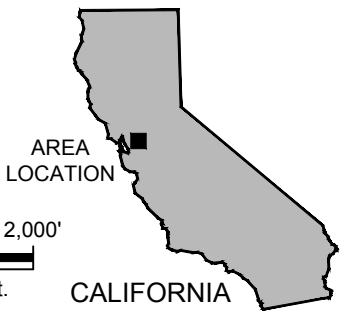


MAP SOURCE: Google Map Data ® 2017, 37°49'38.9" N, 122°15'26.3" W

N

0 1,000' 2,000'

Approximate Scale: 1 in. = 1,000 ft.



FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 50' 100'

Approximate Scale: 1 in. = 50 ft.

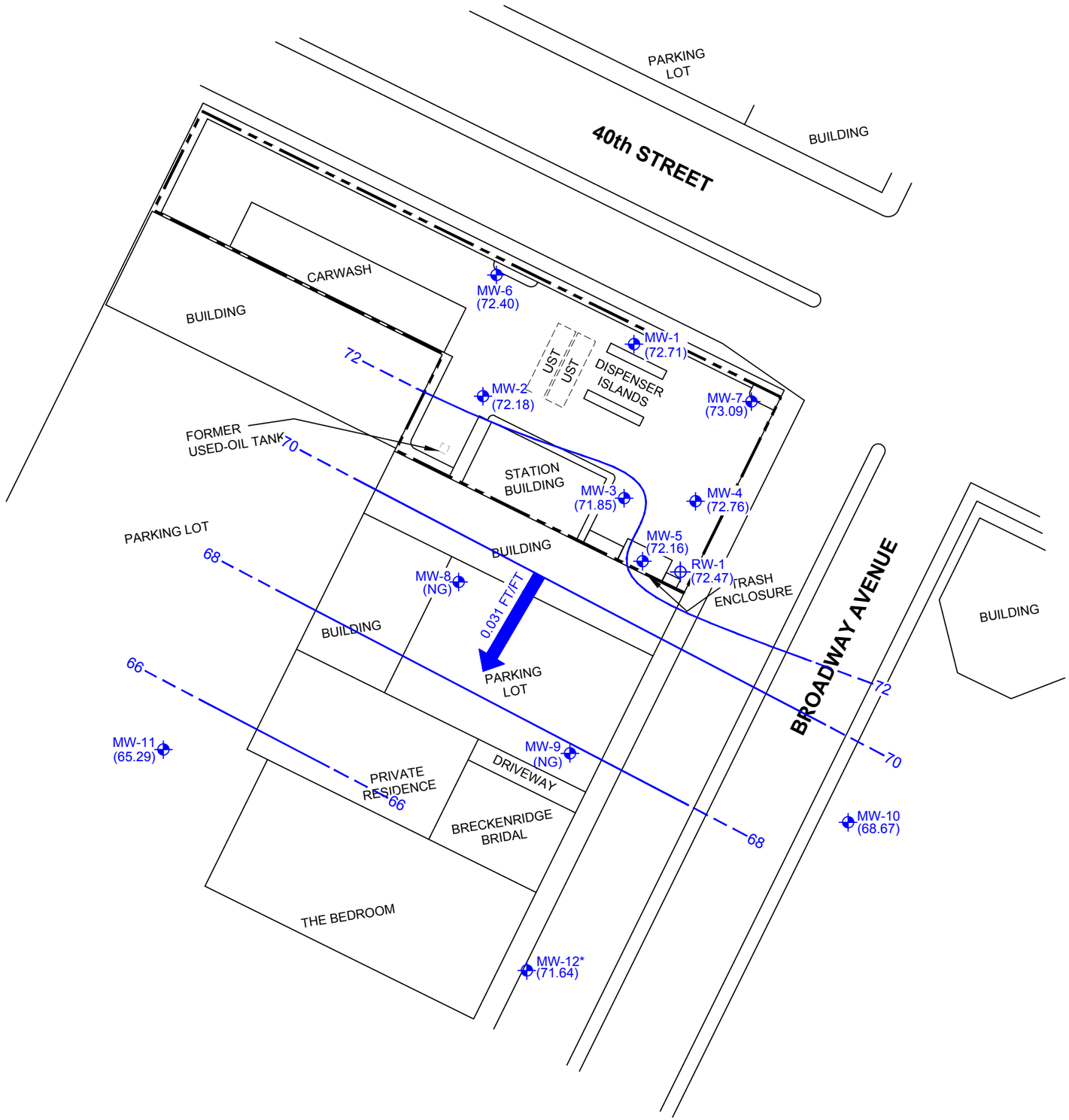
FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

SITE PLAN

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

CITY: BANGALORE, INDIA DIV/GROUP:ENV/CAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
D:\PROJECTS\00 CHEVRON SITES\31. 351647 Chevron\E-Drawings\351647_Figure-2.dwg LAYOUT: 2 SAVED: 10/10/2017 3:07 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/17/2017 11:31 AM BY: PAVAN KUMAR ANJANEYAKUMAR



N

LEGEND:

MW-1	GROUNDWATER MONITORING WELL
RW-1	RECOVERY WELL
(72.71)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
(NG)	NOT GAUGED
	APPROXIMATE DIRECTION OF GROUNDWATER FLOW
0.031 FT/FT	APPROXIMATE HYDRAULIC GRADIENT (FEET/FOOT)
72	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
	PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK
*	NOT CONSIDERED FOR GROUNDWATER ELEVATION CONTOURING

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 50' 100'

Approximate Scale: 1 in. = 50 ft.

FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 15, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY: BANGALORE, INDIA DIV/GROUP:ENV/CAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
D:\PROJECTS\00_CHEVRON SITES\31 351647 Chevron\E-Drawings\351647_Figure-3.dwg LAYOUT: 3 SAVED: 10/17/2017 11:33 AM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/17/2017 11:37 AM BY: PAVAN KUMAR ANJANEYAKUMAR

LEGEND:

- MW-1 — GROUNDWATER MONITORING WELL
- RW-1 — RECOVERY WELL
- 1,000 — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH-g) ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- (7,100) — TPH-g CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- (NS) — NOT SAMPLED
- (<50) — NOT DETECTED AT OR ABOVE LABORATORY DETECTION LIMIT
- PROPERTY BOUNDARY
- UST — UNDERGROUND STORAGE TANK

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL ISOCONCENTRATION LINES ARE AN INTERPRETATION BASED ON THE RESULTS OF THE WELL GAUGING DATA FOR THIS QUARTER.

0 50' 100'

Approximate Scale: 1 in. = 50 ft.

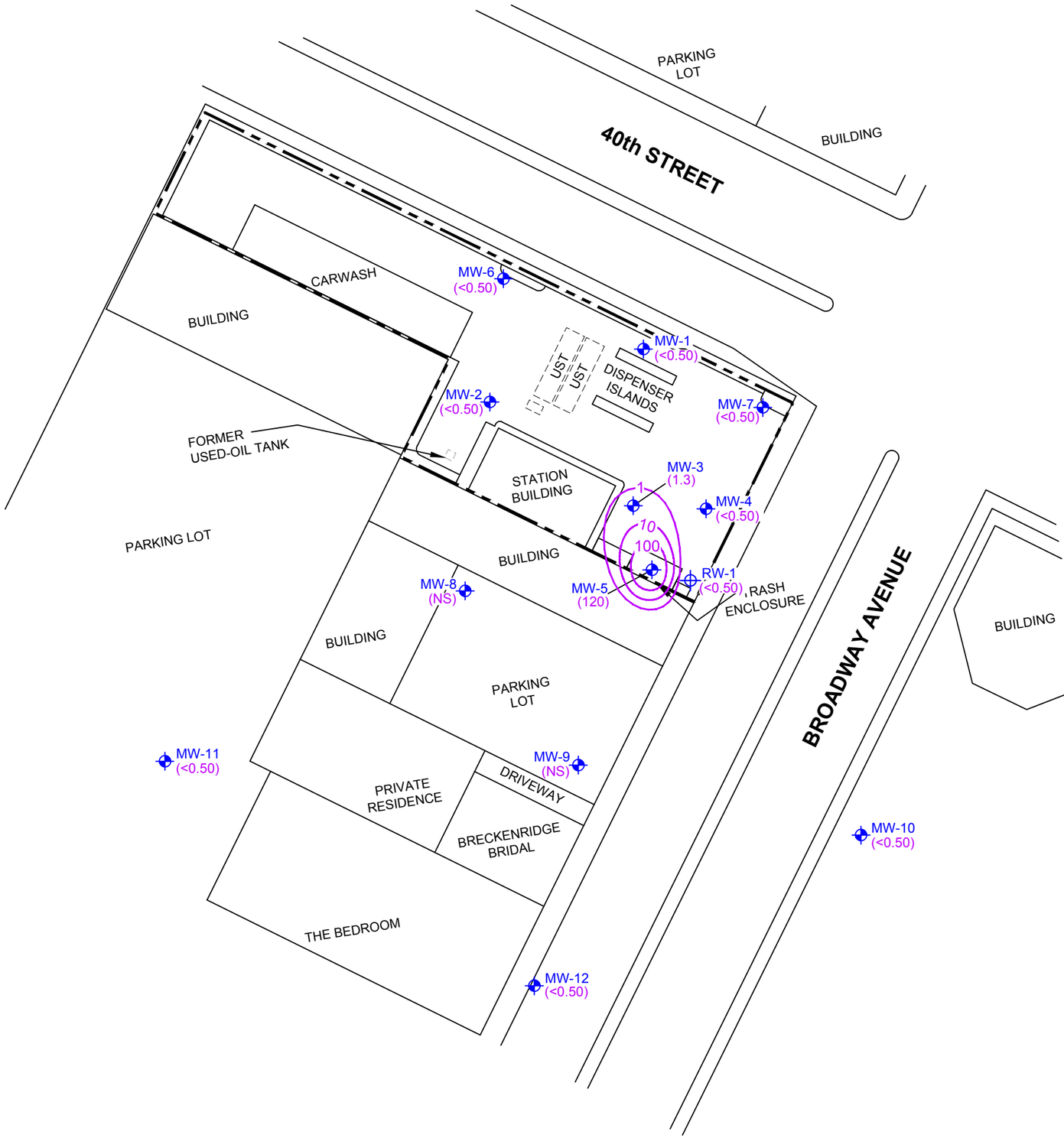
FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

TPH-g ISOCONCENTRATION MAP SEPTEMBER 15, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

CITY: BANGALORE, INDIA DIV/GROUP:ENVCAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
D:\PROJECTS\00_CHEVRON SITES\31_351647 Chevron\E-Drawings\351647_Figure-4.dwg LAYOUT: 4 SAVED: 10/10/2017 3:09 PM ACADVER: 21.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 10/17/2017 11:38 AM BY: PAVAN KUMAR ANJANEYAKUMAR



LEGEND:

MW-1	GROUNDWATER MONITORING WELL
RW-1	RECOVERY WELL
100	BENZENE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
(120)	BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
(NS)	NOT SAMPLED
(<0.50)	NOT DETECTED AT OR ABOVE LABORATORY DETECTION LIMIT
	PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. ALL ISOCONCENTRATION LINES ARE AN INTERPRETATION BASED ON THE RESULTS OF THE WELL GAUGING DATA FOR THIS QUARTER

0 50' 100'

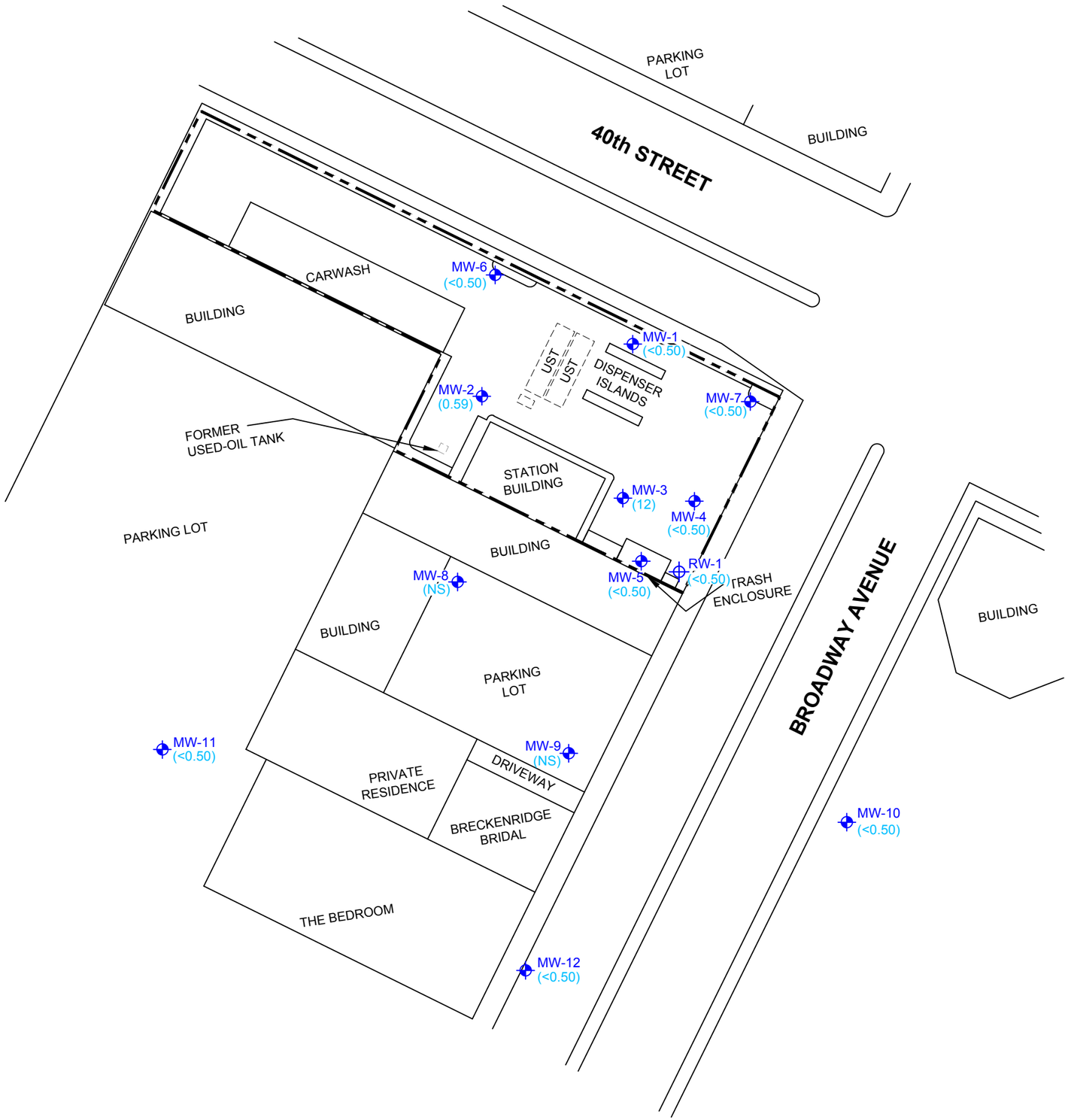
Approximate Scale: 1 in. = 50 ft.

FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

BENZENE ISOCONCENTRATION MAP SEPTEMBER 15, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5



LEGEND:

MW-1	GROUNDWATER MONITORING WELL
RW-1	RECOVERY WELL
(NS)	NOT SAMPLED
(12)	METHYL T-BUTYL ETHER (MTBE) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
(<0.50)	NOT DETECTED AT OR ABOVE LABORATORY DETECTION LIMIT
	PROPERTY BOUNDARY
UST	UNDERGROUND STORAGE TANK

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. MTBE WAS NOT DETECTED ABOVE THE REGULATORY LIMIT (13 µg/L) IN ALL SAMPLES; THEREFORE MTBE ISOCONCENTRATION LINES WERE NOT DRAWN.

0 50' 100'

Approximate Scale: 1 in. = 50 ft.

FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, SECOND HALF 2017

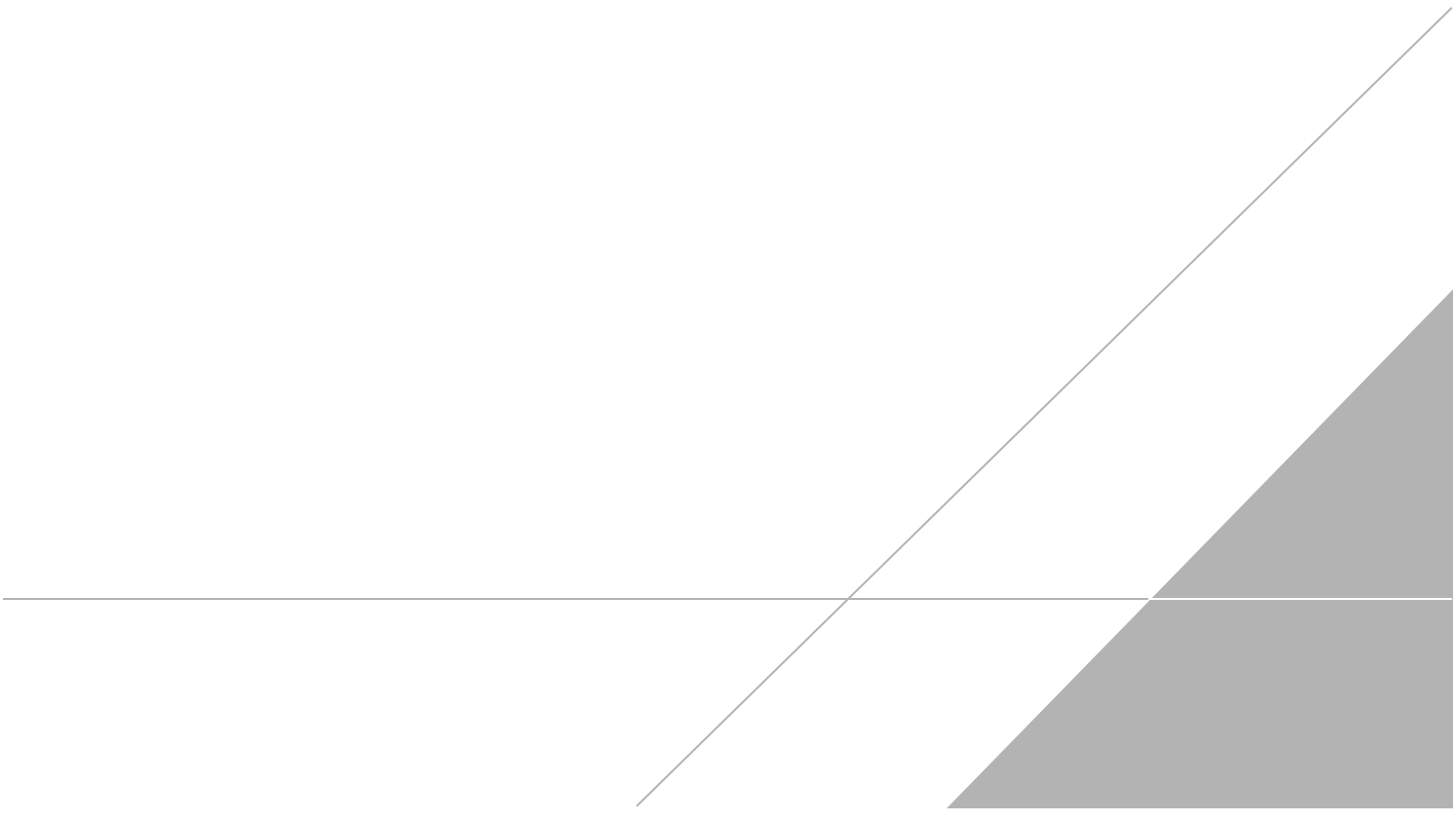
MTBE ISOCONCENTRATION MAP SEPTEMBER 15, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

ATTACHMENT A

[Field Data Sheets and General Procedures]



GETTLER-RYAN INC.

TRANSMITTAL

April 25, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of April 17, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351647 / 0746**

Site Address: **3943 Broadway**

City: **Oakland, CA**

Job #: **17155648**

Event Date: 4.17.17

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)
MW-5	OK	→	→	S=1	OK	→	→	N	N	Emco/ 12"/2	
RW-1	OK	→	→	S=3	OK	→	→	N	N	Emco/ 18"/3	

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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 4.17.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 4.17.17
Well Diameter 2/6 in.
Total Depth 50.16 ft.
Depth to Water 6.78 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.

43.38 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: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING*
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name:	Date:	Project Number:
FRANK TENNYSON	4.17.17	Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: CLOUDY

1. Time absorbent sock removed from well for inspection: 1045

2. Condition of sock:

   a. Length of sock showing product saturation: 1' FULLY SATURATED W/H2O

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: BLK. / PRODUCT ON H2O?

   d. Weight of the removed sock: 1lb 14 3/4 oz

   e. Weight of new/clean/dry sock: 3 1/4 oz.

   f. Difference in weight [(d-e) to 0.01 ounces]: 1lb 11 1/2 oz.

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: YES How full is the drum (%): 10%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: 0

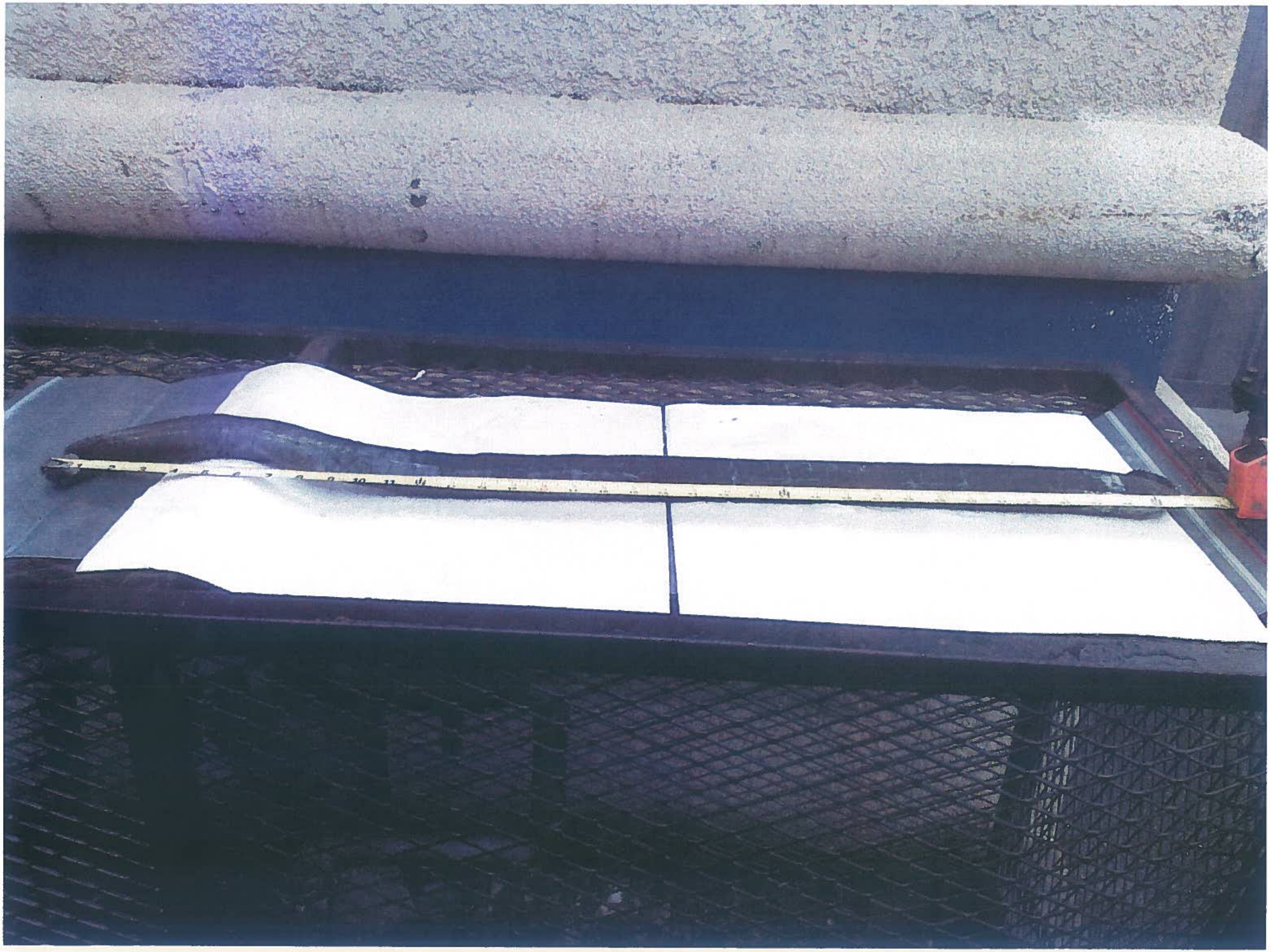
   b. Depth to water: 6.78

   c. Thickness of product (b-a): 0

6. Size and type of sock installed: 2" x 36" SOAKEASE

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647, Oakland MW-5 Sock 04-17-17 Event



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 4.17.17 (inclusive)
City: Oakland, CA Sampler: FR

Well ID RW-1 Date Monitored: 4.17.17
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 5.83 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.

10.51 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: ____
Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N ____
Approx. Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING*
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name:	Date:	Project Number:
FRANK TERMINONI	4.17.17	Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: CLOUDY

1. Time absorbent sock removed from well for inspection: 1115

2. Condition of sock:

   a. Length of sock showing product saturation: NONE

   b. Length of sock showing dryness: FULLY SATURATED WITH H2O

   c. Color of sock showing product saturation: NA

   d. Weight of the removed sock: 4lbs 3 oz.

   e. Weight of new/clean/dry sock: 8 5/8 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 4lbs 5 5/8 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: YES How full is the drum (%): 10 %

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: ~~0~~

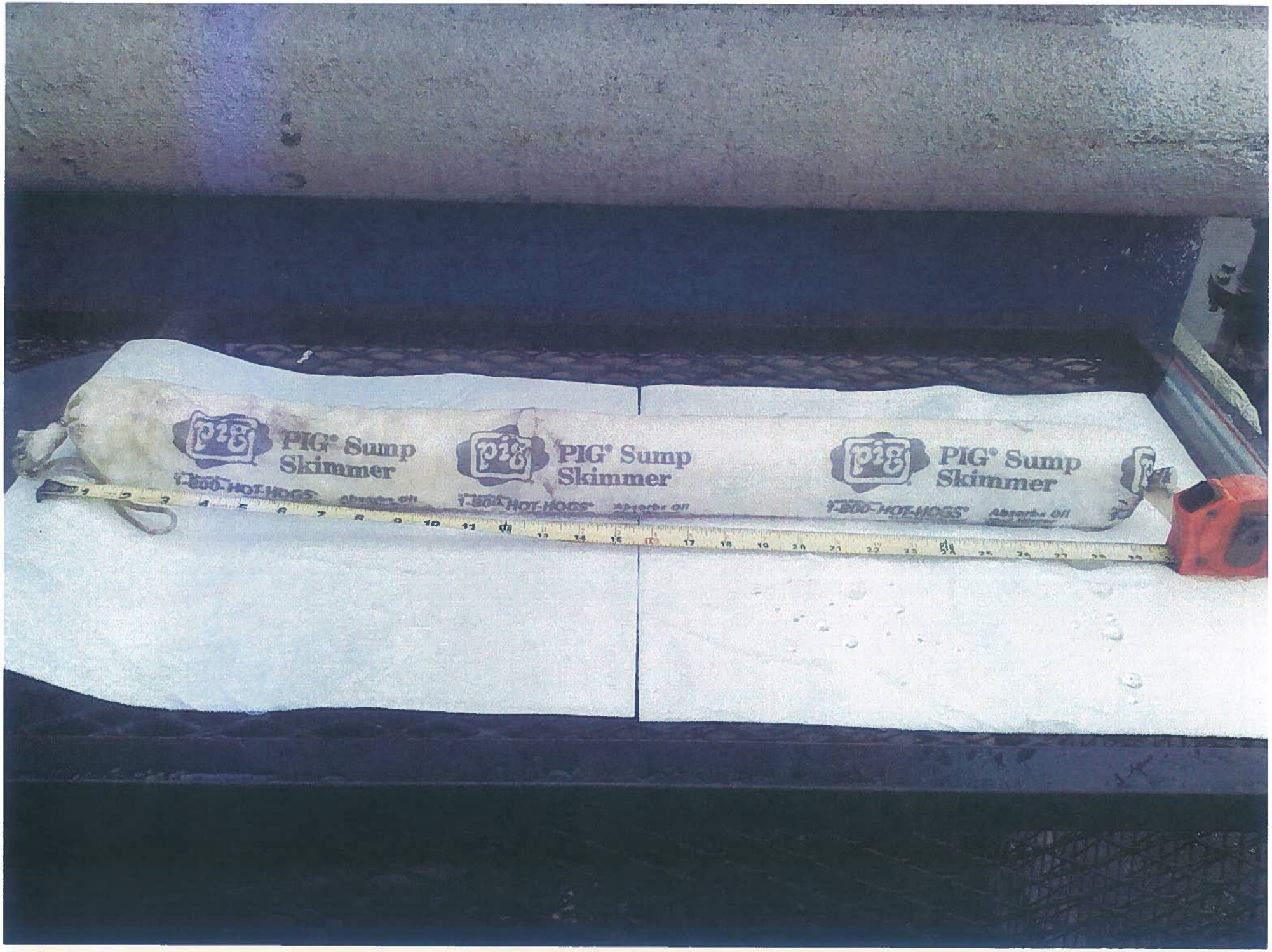
   b. Depth to water: 5.83

   c. Thickness of product (b-a): ~~0~~

6. Size and type of sock installed: 4" x 30" Pig

7. Comments: Sock was removed from the well, evaluated and placed in holding drum.
   New sock was installed in the well

35164?, Oakland RW-1 Sock 04-17-17 Event



GETTLER-RYAN INC.

TRANSMITTAL

June 7, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of May 31, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351647 / 0746**

Site Address: **3943 Broadway**

City: **Oakland, CA**

Job #: **17155648**

Event Date: 5-31-17

Sampler: AW

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-5	OK	—	—	—	—	—	→	N	N	Emco / 12" / 2	Y (Sock)
RW-1	OK	—	—	—	—	—	→	↓	↓	↓ / 3	Y ↓

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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 5-31-17 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MW-5 Date Monitored: 5-31-17
Well Diameter (2) 6 in.
Total Depth 20.01 ft.
Depth to Water 8.34 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.

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING* M/O
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

TRANSMITTAL

July 10, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of July 1, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

1 of 1

Client/ Facility #: Chevron #351647 / 0746

Site Address: 3943 Broadway

City: Oakland, CA

Job #: 17155648

Event Date: 7.1.17

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)
MW5	OK	→	→	→	→	→	→	N	N	Emco 12" 2	
RW1	OK	→	→	S=2	OK	→	→	N	N	Emco 24" 3	

Comments

STANDARD OPERATING PROCEDURE
GROUNDWATER SAMPLING

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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.

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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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 7.1.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 7.1.17
Well Diameter (2) 6 in.
Total Depth 50.16 ft.
Depth to Water 9.52 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.

40.64 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: ____
Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N ____
Approx. Flow Rate: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING*
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Frank Tennigoni	Date: 7.1.17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: CLEAR

1. Time absorbent sock removed from well for inspection: 0645

2. Condition of sock:

   a. Length of sock showing product saturation: 3"

   b. Length of sock showing dryness: SAT. W/ H2O

   c. Color of sock showing product saturation: BLK.

   d. Weight of the removed sock: 1lb 3oz.

   e. Weight of new/clean/dry sock: 3 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 1lb

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: YES How full is the drum (%): 25%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

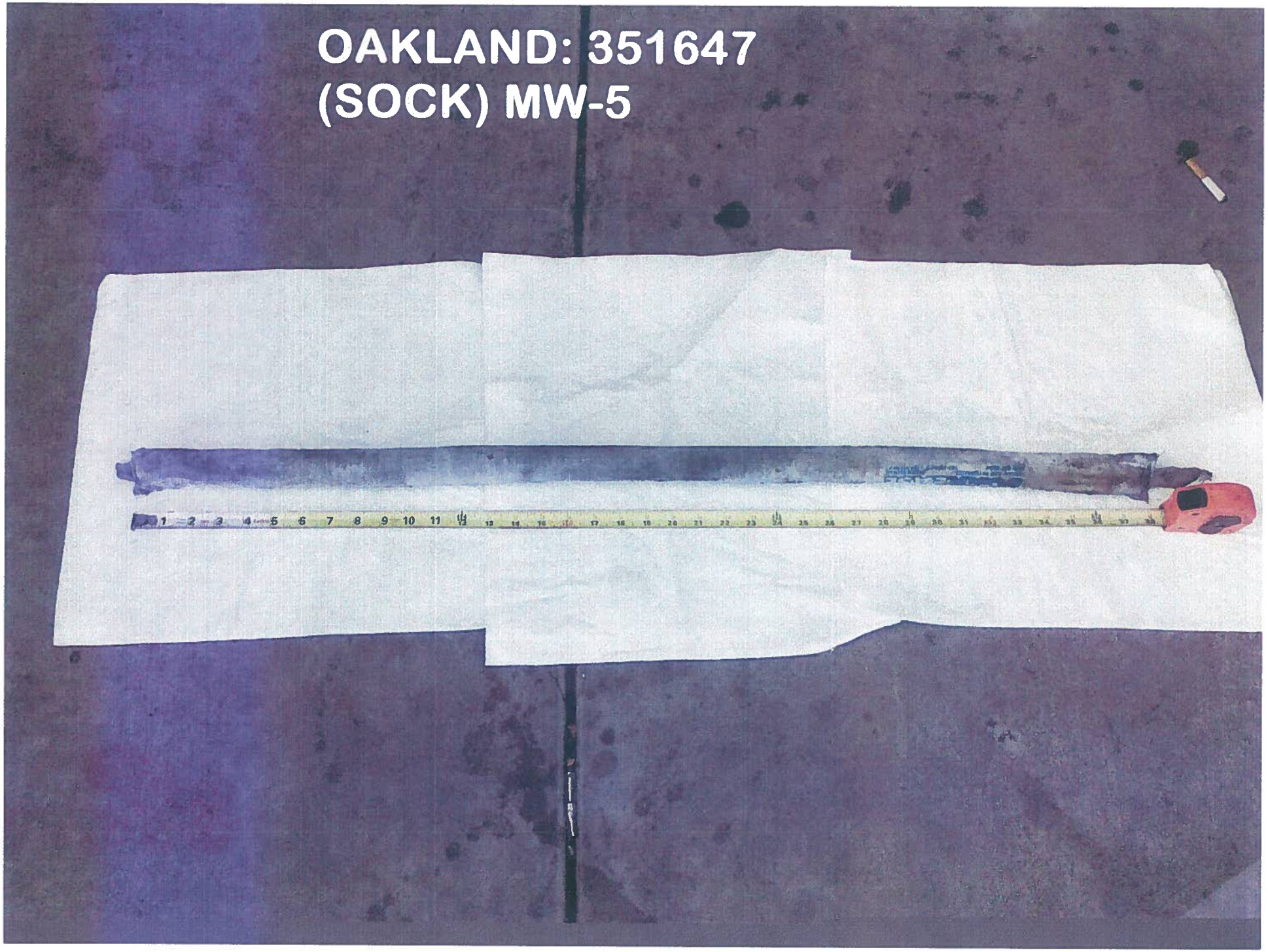
   a. Depth to product: ~~0~~

   b. Depth to water: 9.52

   c. Thickness of product (b-a): ~~0~~

6. Size and type of sock installed: 37" SOAKEASE

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well


OAKLAND: 351647
(SOCK) MW-5

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 7.1.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID RW-1 Date Monitored: 7.1.17
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 7.63 ft.
8.71 xVF ___ = ___

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.

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: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: MONTHLY PRODUCT GAUGING NO SPIT PRESENT
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Frank Terminiello	Date: 7.1.17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: CLEAR

1. Time absorbent sock removed from well for inspection: 0630

2. Condition of sock:

   a. Length of sock showing product saturation: NONE

   b. Length of sock showing dryness: SAT. W/ H2O

   c. Color of sock showing product saturation: NO COLOR

   d. Weight of the removed sock: 3lbs 2 1/4 oz

   e. Weight of new/clean/dry sock: 8 1/8 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 3lbs 6 1/4 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: yes How full is the drum (%): 25%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

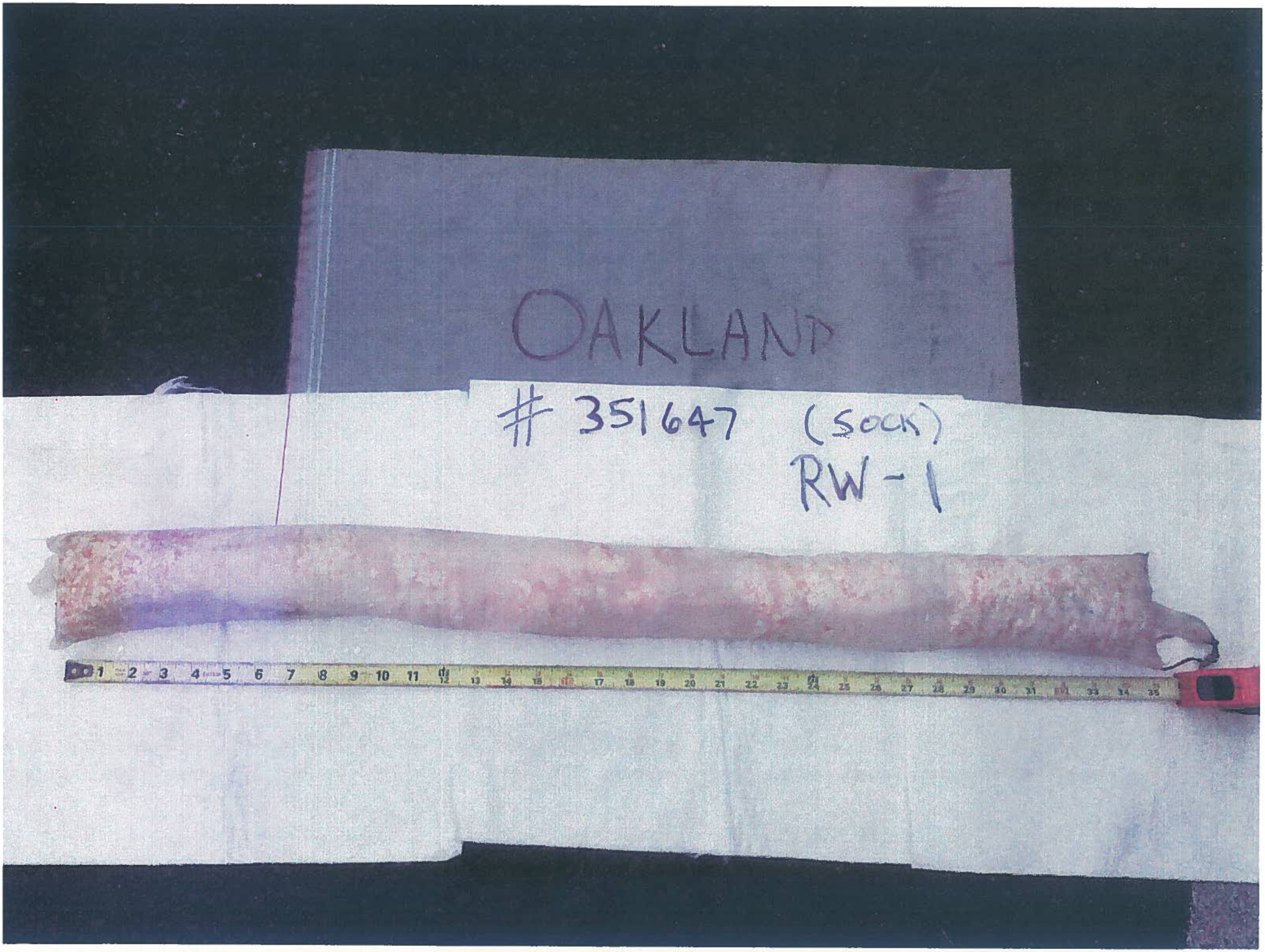
   a. Depth to product: 0

   b. Depth to water: 7.63

   c. Thickness of product (b-a): 0

6. Size and type of sock installed: 35" PIG

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well


OAKLAND
351647 (SOCK)
RW-1

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Alex Wong	Date: 5-31-17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 0940

2. Condition of sock:

   a. Length of sock showing product saturation: 38"

   b. Length of sock showing dryness: Ø

   c. Color of sock showing product saturation: Black

   d. Weight of the removed sock: 1lb 3/4oz

   e. Weight of new/clean/dry sock: 3oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 1lb 1/4 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: Yes How full is the drum (%): 20%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: Ø

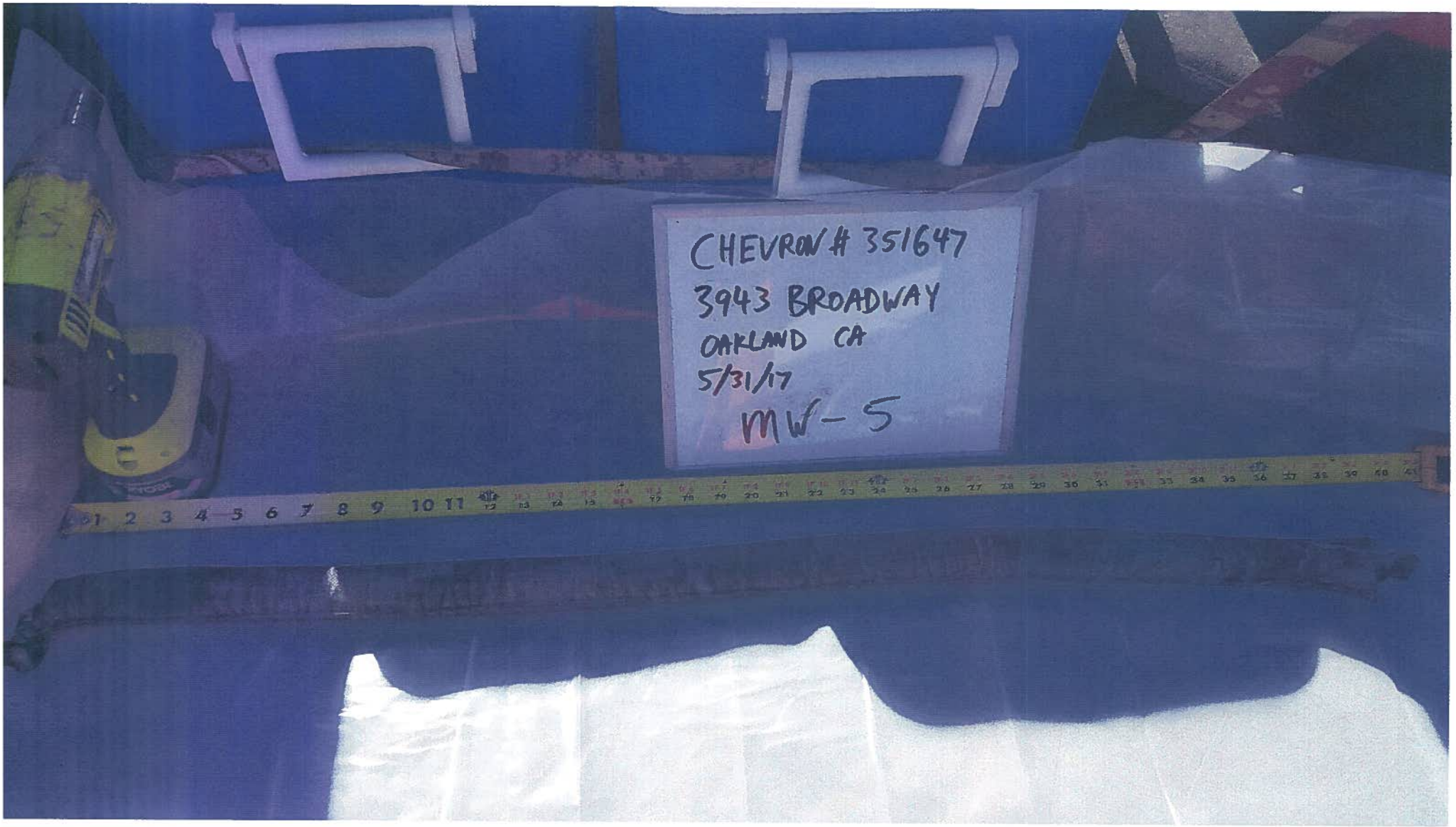
   b. Depth to water: 8.34

   c. Thickness of product (b-a): —

6. Size and type of sock installed: SOAKEASE

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647, Oakland MW-5 Sock 05-31-17



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 5-31-17 (inclusive)
City: Oakland, CA Sampler: AW

Well ID RW-1 Date Monitored: 5-31-17
Well Diameter 2 (6) in.
Total Depth 16.42 ft.
Depth to Water 7.22 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: MONTHLY PRODUCT GAUGING M/O
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Alex Wong	Date: 5-31-17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 0950

2. Condition of sock:

   a. Length of sock showing product saturation: 2"

   b. Length of sock showing dryness: 0

   c. Color of sock showing product saturation: Light brown

   d. Weight of the removed sock: 2lb 6¼oz

   e. Weight of new/clean/dry sock:

   f. Difference in weight [(d-e) to 0.01 ounces]:

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: yes How full is the drum (%): 20%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: 0

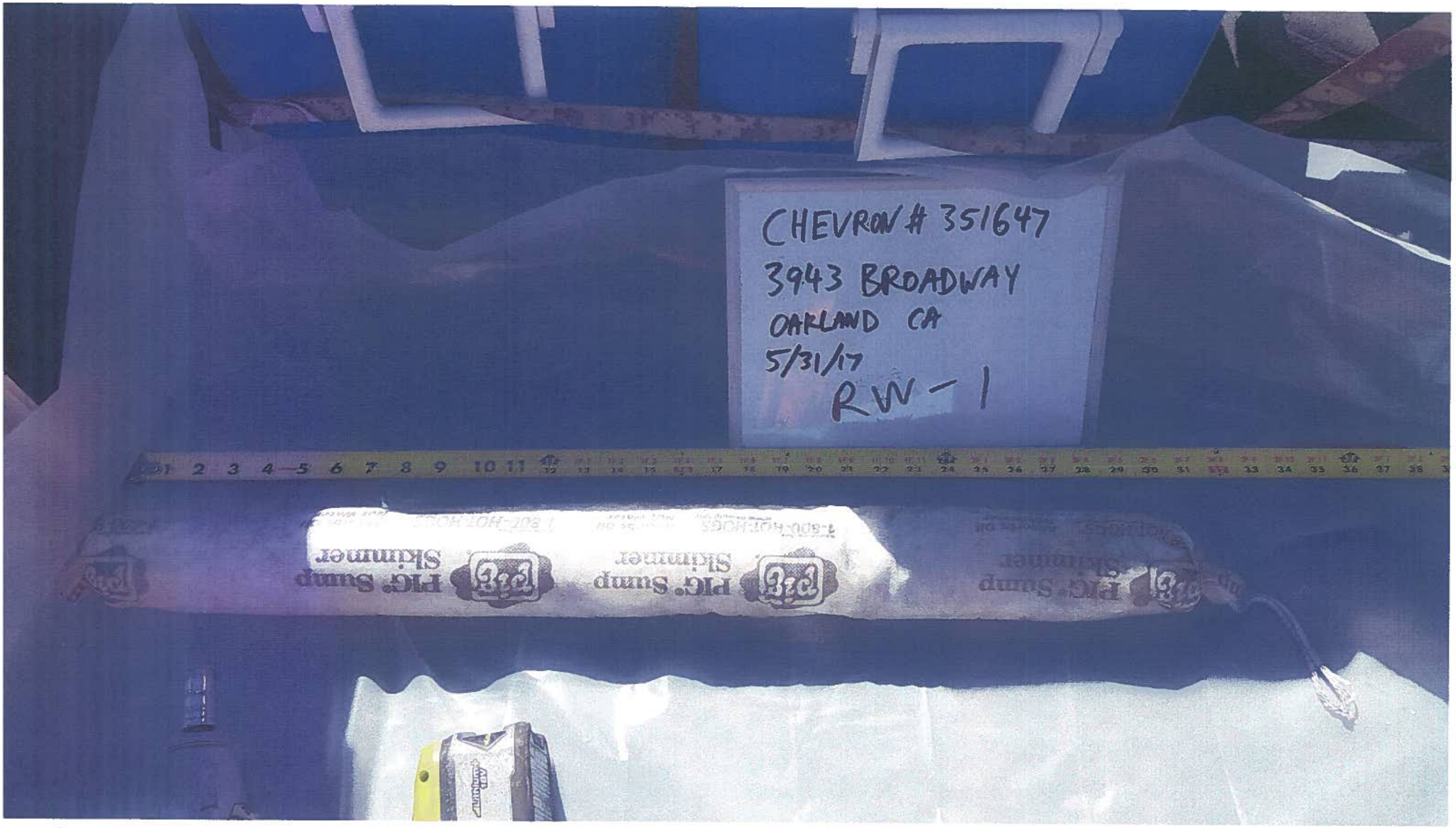
   b. Depth to water: 7.22

   c. Thickness of product (b-a): 0

6. Size and type of sock installed:

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647, Oakland RW-1 Sock 05-31-17



GETTLER-RYAN INC.

TRANSMITTAL

August 1, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of July 28, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

1 of 1

Client/ Facility #: Chevron #351647 / 0746
Job #: 17155648
Site Address: 3943 Broadway
Event Date: 7.28.17
City: Oakland, CA
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-5	OK	→	→	S=2	OK	→	→	↓	↓	Emco/ rnd	
RW-1	OK	→	→	S=3	OK	→	→	↓	↓	Emco/ 18"/3	

DRUMS PRESENT ONSITE? (Y) N #: 3
ARE DRUMS PROPERLY LABELED? (Y) N
LOCATION OF DRUMS: BY GAZEBO ENCLOSURE

Comments

STANDARD OPERATING PROCEDURE
GROUNDWATER SAMPLING

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GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 7.28.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 7.28.17
Well Diameter (2) 6 in.
Total Depth 50.16 ft.
Depth to Water 8.92 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.

41.24 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:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: MONTHLY PRODUCT GAUGING NO SPH DETECTED BY INTERFACE.
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name:	Date:	Project Number:
Frank Terminoni	7.28.17	Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 0945

2. Condition of sock:

   a. Length of sock showing product saturation: 2"

   b. Length of sock showing dryness: 0

   c. Color of sock showing product saturation: Lt. Blk.

   d. Weight of the removed sock: 1lb 7¼ oz

   e. Weight of new/clean/dry sock: 3 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 1lb 4¼ oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: Yes How full is the drum (%): 25 %

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: 0

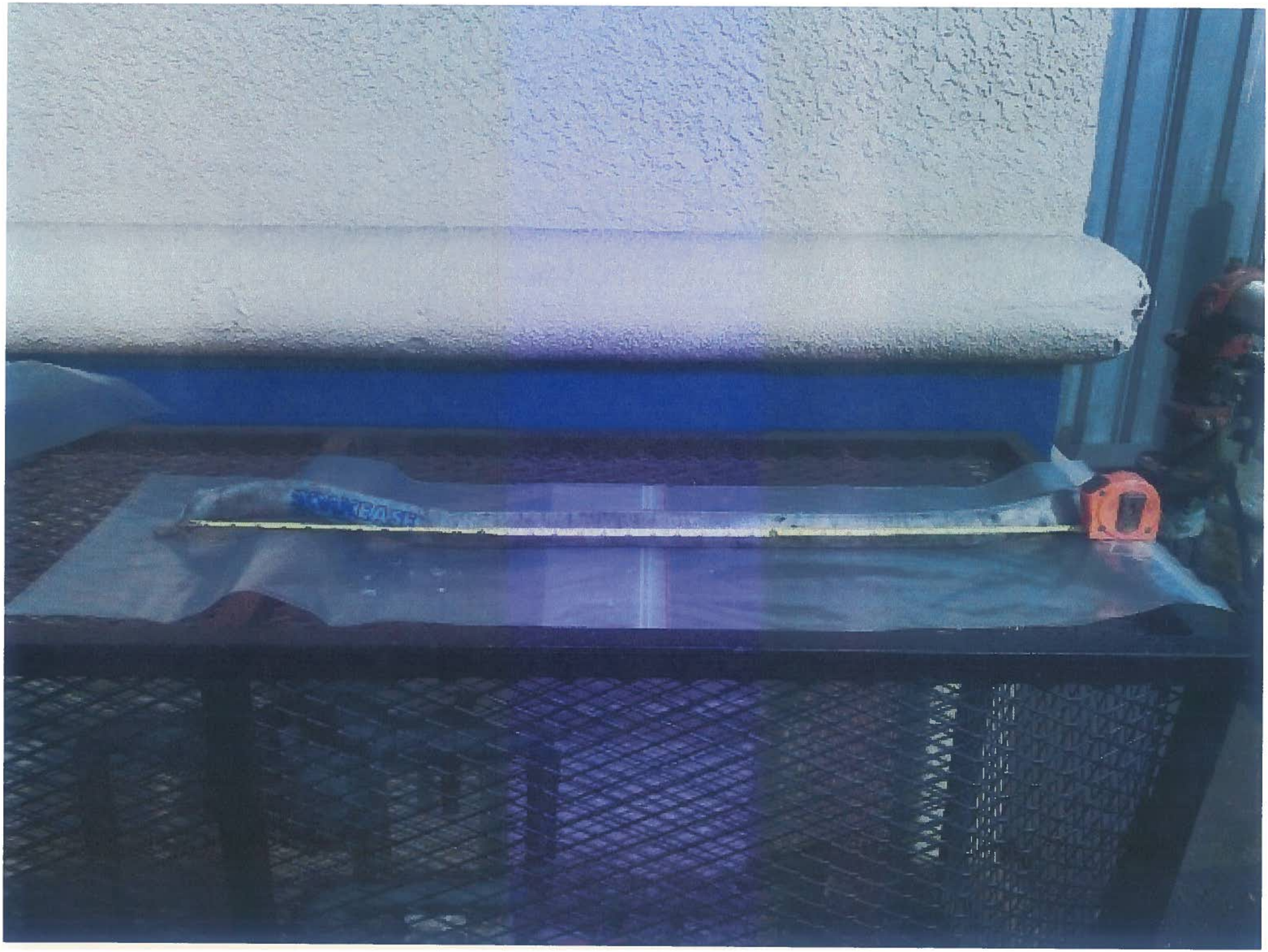
   b. Depth to water: 8.92

   c. Thickness of product (b-a): 0

6. Size and type of sock installed: SOAKGUARD 2"

7. Comments: Sock was removed from the well, evaluated and placed in holding drum.
   New sock was installed in the well

351647, Oakland MW-5 Sock 07-28-17



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 7.28.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID RW-1 Date Monitored: 7.28.17
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 7.75 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.

8.59 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: ___
Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___
Approx. Flow Rate: ___ gpm. Sediment Description: ___
Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: MONTHLY PRODUCT GAUGING NO SPH DETECTED BY INTERFACE.
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Frank Terminon.	Date: 7.28.17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 0915

2. Condition of sock:

   a. Length of sock showing product saturation: 0

   b. Length of sock showing dryness: 0

   c. Color of sock showing product saturation: 0

   d. Weight of the removed sock: 2lb 2 3/4 oz

   e. Weight of new/clean/dry sock: 6 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 2lb 4 3/4 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: YES How full is the drum (%): 25%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: 0

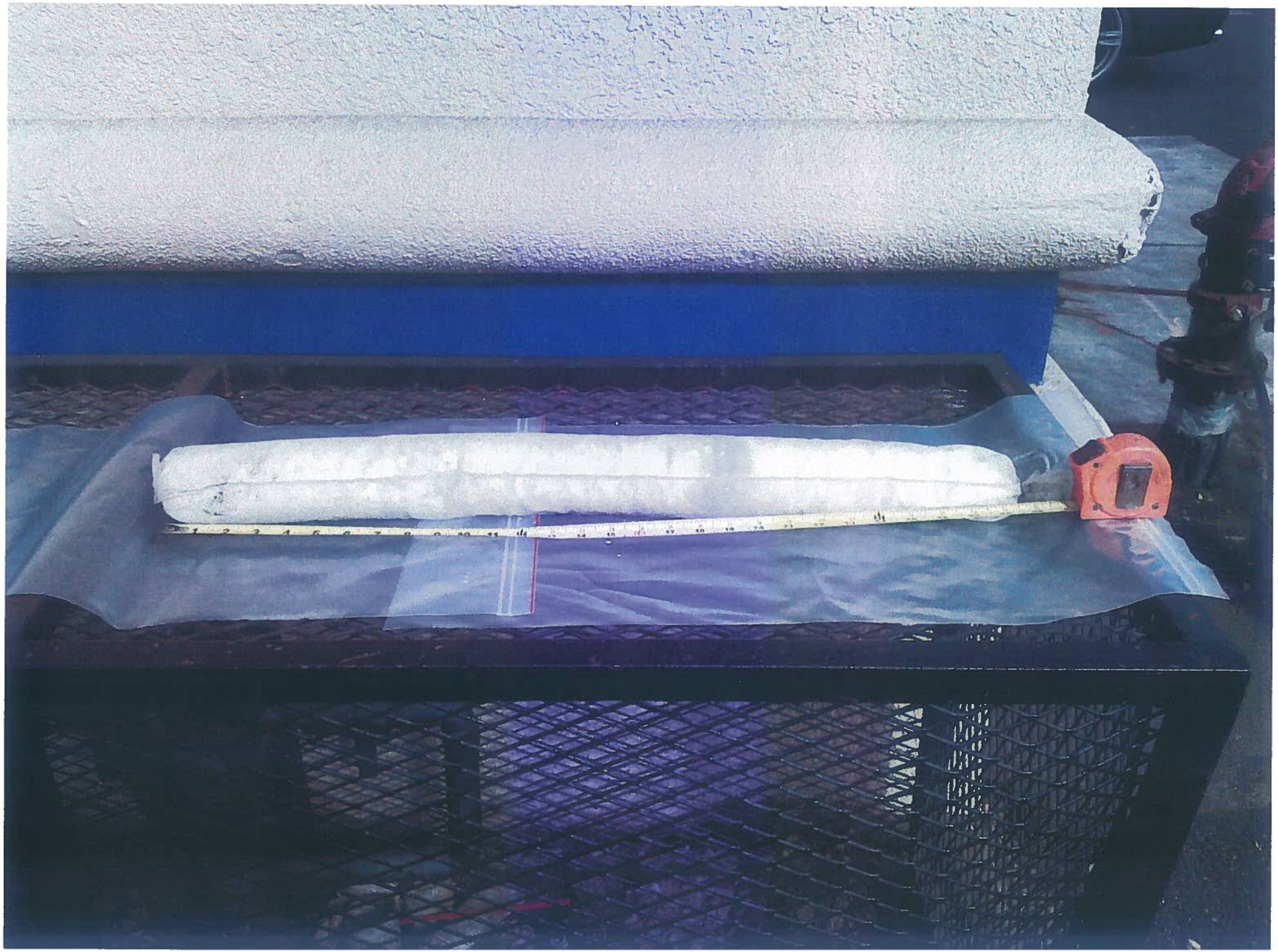
   b. Depth to water: 7.75

   c. Thickness of product (b-a): 0

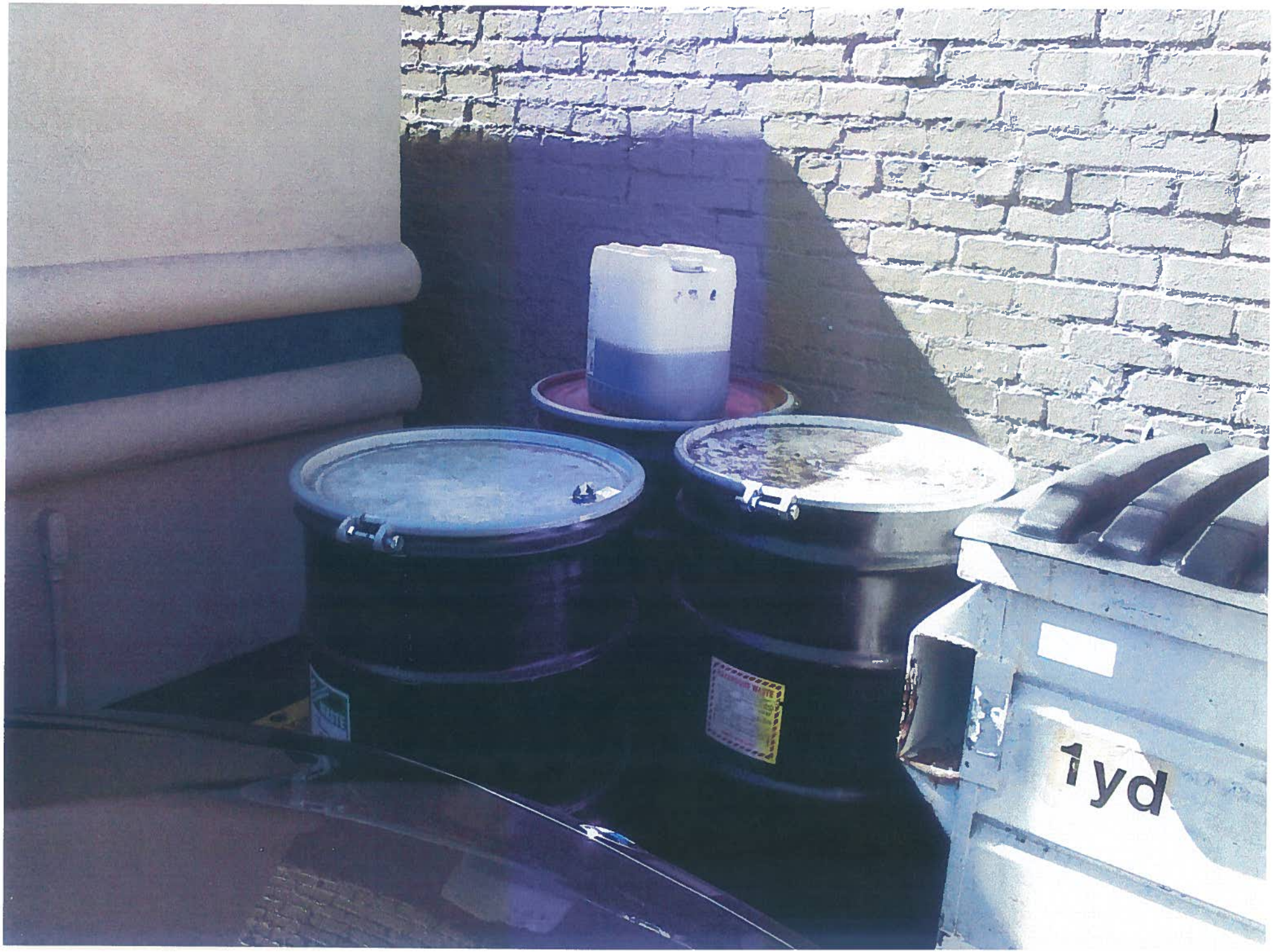
6. Size and type of sock installed: P16 4"

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647, Oakland RW-1 Sock 07-28-17



351647, Oakland Drums Sock 07-28-17



GETTLER-RYAN INC.

TRANSMITTAL

August 17, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of August 10, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

Client/ Facility #: Chevron #351647 / 0746
Site Address: 3943 Broadway
City: Oakland, CA

Job #: 17155648
Event Date: 8.10.17
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
MW-5	OK	→	→	S=2	OK	→	→	↓	↓	EMCO/12"/2	
RW-1	OK	→	→	S=3	OK	→	→	↓	↓	EMCO/18"/3	

DRUMS PRESENT ONSITE? (Y) N #: 3

ARE DRUMS PROPERLY LABELED? (Y) N

LOCATION OF DRUMS: By Enclosure (Gantry)

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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 8.10.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 8.10.17
Well Diameter (2) 6 in.
Total Depth 50.16 ft.
Depth to Water 8.93 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.

41.23 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:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: gpm. Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING*
Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.
NO SPH DETECTED BY INTERFACE PROBE. H/O

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: Frank Terminori	Date: 8.10.17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: CLOUDY

1. Time absorbent sock removed from well for inspection: 1100

2. Condition of sock:

   a. Length of sock showing product saturation: 2"

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: LT. BLK

   d. Weight of the removed sock: 1lb 1½ oz

   e. Weight of new/clean/dry sock: 3 oz.

   f. Difference in weight [(d-e) to 0.01 ounces]: 1lb 8½ oz.

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: yes How full is the drum (%): 30%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: 0

   b. Depth to water: 8.93

   c. Thickness of product (b-a): 0

6. Size and type of sock installed: SOAKEASE 2" x 36'

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647, Oakland MW-5 Sock 08-10-17

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **17155648**

Site Address: **3943 Broadway** Event Date: 8.10.17 (inclusive)

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

Well ID RW-1 Date Monitored: 8.10.17

Well Diameter 2 1(6) in.

Total Depth 16.34 ft.

Depth to Water 7.98 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.

8.36 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: _____

Sample Time/Date: _____ / _____ Water Color: _____ Odor: **Y / N** _____

Approx. Flow Rate: _____ gpm. Sediment Description: _____

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: _____

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

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: *MONTHLY PRODUCT GAUGING*

Sock was removed from the well, evaluated and placed in the holding drum. New sock installed in the well.

NO SPH DETECTED BY INTERFACE PROBE. M/D

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name:	Date:	Project Number:
FRANK TEMMINONI	8.10.17	Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: CLOUDY

1. Time absorbent sock removed from well for inspection: 1045

2. Condition of sock:

   a. Length of sock showing product saturation: -0-

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: NONE

   d. Weight of the removed sock: 3lb 6 oz

   e. Weight of new/clean/dry sock: 5 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 3lb 1 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: yes How full is the drum (%): 30%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: -0-

   b. Depth to water: 7.98

   c. Thickness of product (b-a): -0-

6. Size and type of sock installed: SOAKEASE 4"x 36"

7. Comments: Sock was removed from the well, evaluated and placed in holding drum.
   New sock was installed in the well

351647, Oakland RW-1 Sock 08-10-17


1yd
WASTE

GETTLER-RYAN INC.

TRANSMITTAL

September 21, 2017
G-R #17155648

TO: Mr. Carl Edwards
Arcadis
100 Montgomery Street, Suite 300
San Francisco, California 94104

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

RE: Former Unocal 0746
Chevron #351647
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi Annual Event of September 15, 2017**

COMMENTS:

Pursuant to your request, we are providing you with a copy 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/351647/17155648

WELL CONDITION STATUS SHEET

Client/ Facility #: Chevron #351647 / 0746
Site Address: 3943 Broadway
City: Oakland, CA

Job #: 17155648
Event Date: 9/15/17
Sampler: GM

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-1	OK	OK	OK	OK	OK	OK	OK	NO	NO	DIVERSIFIED / 12 / 2	
2										EMCO	
3										DIVERSIFIED	
4										EMCO	
5										↓	
6										MORRISON / 8	
7										EMCO / 12	
10										MORRISON / 8	
11											
12										↓	
RW-1	↓	↓	↓	↓	↓	↓	↓	↓	↓	EMCO / 13 3	

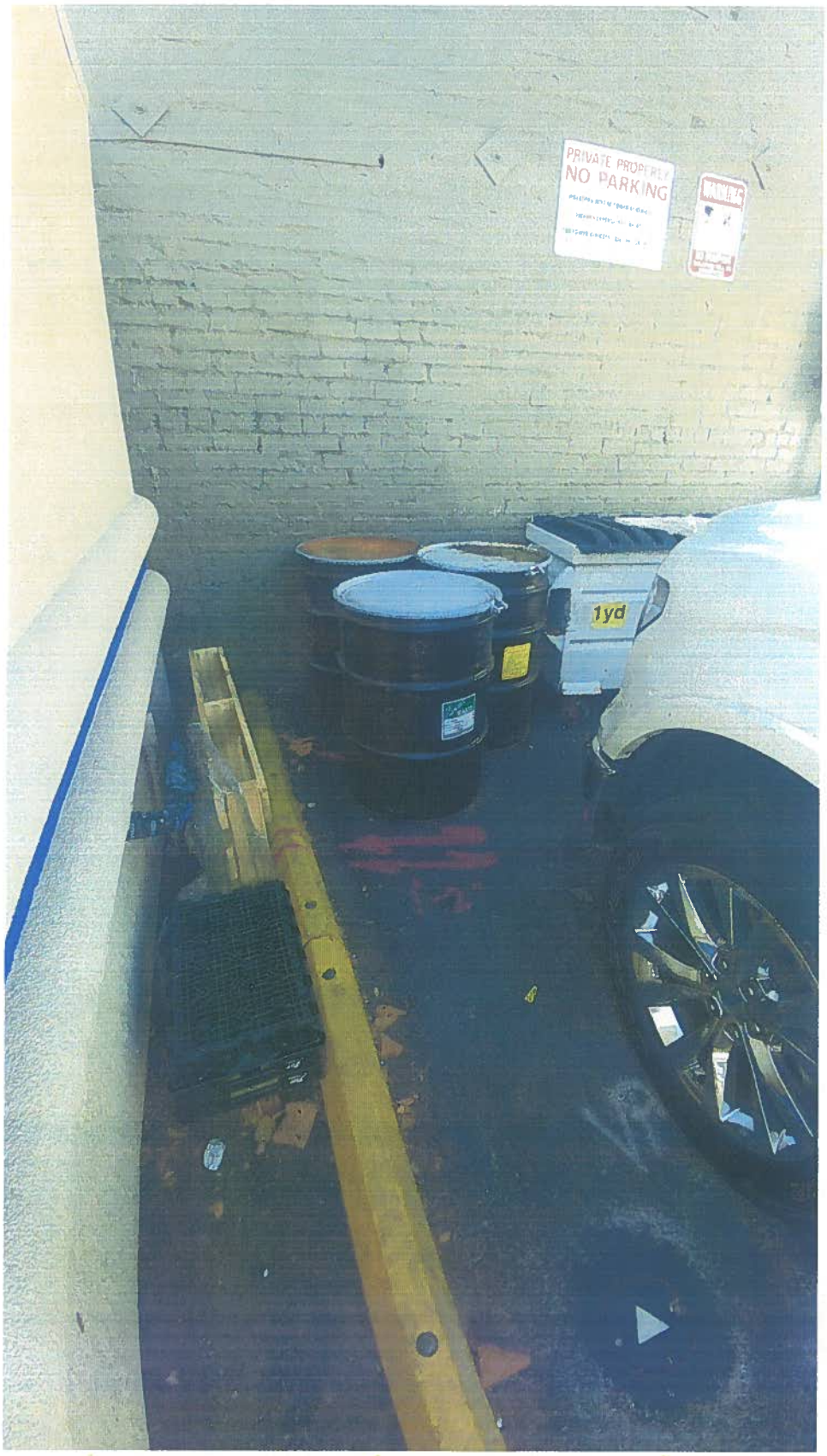
DRUMS PRESENT ONSITE? (Y) / N #: 2

ARE DRUMS PROPERLY LABELED? (Y) / N

LOCATION OF DRUMS: West of Dumpster

Comments

351647 Oakland 09-15-17, Drums



Oakland.jpg

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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-1 Date Monitored: 9/15/17
Well Diameter (2) 6 in.
Total Depth 54.03 ft.
Depth to Water 7.83 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.

46.20 xVF 0.17 = 7.85 x3 case volume = Estimated Purge Volume: 24 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.07

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

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

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

Start Time (purge): 1805 Weather Conditions: Sunny
Sample Time/Date: 1845 9/15/17 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 2 gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 12.49

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
1809	8	6.78	625	23.5		
1813	16	6.79	620	23.4		
1817	24	6.76	617	23.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-2 Date Monitored: 9/15/17
Well Diameter (2) 6 in.
Total Depth 19.82 ft.
Depth to Water 9.14 ft.

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

☐ Check if water column is less then 0.50 ft.

10.68 xVF 0.17 = 1.81 x3 case volume = Estimated Purge Volume: 5.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.27

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
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: Ø ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1620 Weather Conditions: Sunny
Sample Time/Date: 1655 9/15/17 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 10.14

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1625	2	7.04	576	22.9		
1630	4	7.01	574	22.7		
1635	5.5	6.96	570	22.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS:

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

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WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-3 Date Monitored: 9/15/17
Well Diameter (2) 6 in.
Total Depth 51.57 ft.
Depth to Water 9.56 ft.

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

☐ Check if water column is less then 0.50 ft.

42.01 xVF 0.17 = 7.14 x3 case volume = Estimated Purge Volume: 22 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.96

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

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

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

Start Time (purge): 2050 Weather Conditions: CLEAR
Sample Time/Date: 2130 / 9/15/17 Water Color: CLEAR Odor: (Y) / N STRONG
Approx. Flow Rate: 2 gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.73

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
2054	8	6.70	762	23.4		
2058	16	6.74	760	23.3		
2101	22	6.76	764	23.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: SHEEN on H_2O

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-4 Date Monitored: 9/15/17
Well Diameter 2 6 in.
Total Depth 49.40 ft.
Depth to Water 8.72 ft.

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

☐ Check if water column is less then 0.50 ft.

40.68 xVF 0.17 = 6.91 x3 case volume = Estimated Purge Volume: 21 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.85

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1955 Weather Conditions: CLEAR
Sample Time/Date: 2035 / 9/15/17 Water Color: CLEAR Odor: (Y) N SLIGHT
Approx. Flow Rate: 2 gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 14.14

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1959	8	6.77	801	23.5		
2002	14	6.80	807	23.4		
2006	22	6.82	804	23.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-5 Date Monitored: 9/15/17
Well Diameter (2)/6 in.
Total Depth 50.66 ft.
Depth to Water 9.22 ft.

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

☐ Check if water column is less then 0.50 ft.

40.94 xVF 0.17 = 6.95 x3 case volume = Estimated Purge Volume: 21 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.40

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

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

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

Start Time (purge): 2115 Weather Conditions: CLEAR
Sample Time/Date: 2200 / 9/15/17 Water Color: CLEAR Odor (Y) N STRONG
Approx. Flow Rate: 2 gpm. Sediment Description: CL SLIT
Did well de-water? NO If yes, Time: — Volume: gal. DTW @ Sampling: 13.62

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
2119	8	6.74	207	23.9		
2122	14	6.80	204	23.7		
2126	22	6.82	202	23.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	(6) x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: STICK IN WELL SHEEN ON H2O

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G. MEDINA	Date: 9/15/17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: SUNNY

1. Time absorbent sock removed from well for inspection: 1200

2. Condition of sock:

   a. Length of sock showing product saturation: 36"

   b. Length of sock showing dryness: Ø

   c. Color of sock showing product saturation: BROWN

   d. Weight of the removed sock: 1 LBS 10 oz

   e. Weight of new/clean/dry sock: 3 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 1 LBS 7 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☑

   Confirm drum is labeled: Yes How full is the drum (%): 50%

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: NA

   b. Depth to water: 9.22

   c. Thickness of product (b-a): Ø

6. Size and type of sock installed: SIAKEE 2"

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G Mesa MA	Date: 9/15/17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 1200

2. Condition of sock:

MyCollage 2.png

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-6 Date Monitored: 9/15/17
Well Diameter (2) 6 in.
Total Depth 51.22 ft.
Depth to Water 7.54 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

43.68 xVF 0.17 = 7.42 x3 case volume = Estimated Purge Volume: 23 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.27

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: Ø ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1710 Weather Conditions: Sunny
Sample Time/Date: 1750 9/15/17 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 2 gpm. Sediment Description: SL SILT
Did well de-water? No If yes, Time: — Volume: gal. DTW @ Sampling: 15.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1714	8	6.77	874	22.7		
1718	16	6.80	872	22.6		
1722	24	6.81	869	22.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-7
Well Diameter (2) 6 in.
Total Depth 49.26 ft.
Depth to Water 8.55 ft.
40.71 xVF 0.17 = 6.92 x3 case volume = Estimated Purge Volume: 21 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.69

Date Monitored: 9/15/17

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.

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump	X	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: 0 ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1900 Weather Conditions: Clear
Sample Time/Date: 1940 / 9/15/17 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 2 gpm. Sediment Description: none
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 14.06

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1904	8	6.80	679	23.4		
1907	14	6.81	634	23.2		
1911	22	6.77	631	23.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-10 Date Monitored: 9/15/17
Well Diameter 2 6 in.
Total Depth 21.74 ft.
Depth to Water 12.94 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 0.17 = 1.49 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.70

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	X	Disposable Bailer	X
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: Ø ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1430 Weather Conditions: SUNNY
Sample Time/Date: 1505 / 9/15/17 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 13.66

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1434	1.5	6.69	572	21.4		
1437	3	6.65	569	21.2		
1440	4.5	6.63	563	20.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-11 Date Monitored: 9/15/17
Well Diameter (2) 6 in.
Total Depth 19.11 ft.
Depth to Water 12.89 ft. ☐ Check if water column is less then 0.50 ft.

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

6.22 xVF 0.17 = 1.05 x3 case volume = Estimated Purge Volume: 3.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.13

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

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

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

Start Time (purge): 1525 Weather Conditions: Sunny
Sample Time/Date: 1600 9/15/17 Water Color: Cloudy Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: Silt
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 13.44

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1528	1.25	6.64	874	21.9		
1531	2.5	6.59	869	21.7		
1534	3.5	6.55	862	21.6		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-12 Date Monitored: 9/15/17
Well Diameter (2) in.
Total Depth 17.67 ft.
Depth to Water 7.97 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

9.70 xVF 0.17 = 1.64 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.91

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 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): 1340 Weather Conditions: Sunny
Sample Time/Date: 1415 9/15/17 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: SLSILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 8.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1344	2	6.85	617	23.4		
1347	3.5	6.82	615	23.2		
1351	5	6.79	613	23.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(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 #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 9/15/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID RW-1 Date Monitored: 9/15/17
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 8.16 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.

8.18 xVF 1.50 = 12.27 x3 case volume = Estimated Purge Volume: 37 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.79

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: 0 ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ltr
Amt Removed from Well: ltr
Water Removed: ltr

Start Time (purge): 1305 Weather Conditions: CLEAR
Sample Time/Date: 2225 9/15/17 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 2 gpm. Sediment Description: NONE
Did well de-water? Yes If yes, Time: 1320 Volume: 17 gal. DTW @ Sampling: 8.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1314	12	6.86	176.1	23.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
RW-1	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: SOCK IN WELL

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G. Meginn	Date: 9/15/12	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 1215

2. Condition of sock:

   a. Length of sock showing product saturation: NA"

   b. Length of sock showing dryness: 8 6"

   c. Color of sock showing product saturation: NA

   d. Weight of the removed sock: 3 LBS 10 oz

   e. Weight of new/clean/dry sock: [redacted] 5 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 3 LBS 5 oz

3. Picture of sock removed from well taken: ☒

4. Sock removed from well deposited into a waste drum: ☒

   Confirm drum is labeled: YES. How full is the drum (%): 50%.

5. At least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing:

   a. Depth to product: NA

   b. Depth to water: 8.16

   c. Thickness of product (b-a): Ø

6. Size and type of sock installed: SOAKER 4"

7. Comments: Sock was removed from the well, evaluated and placed in holding drum. New sock was installed in the well

351647 Oakland 09-15-17, RW-1 Sock

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING

OAKLAND SERVICE

GETTLER - RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G Meginn	Date: 9/15/17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 1215

Condition of sock:

MyCollage_3.png

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC _____ of _____

Union Oil Site ID: 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: (415) 374 0759
Site Address: 3943 BROADWAY OAKLAND CA	Consultant Phone No.: CARL EDWARDS
Union Oil PM: JAMES P. KEENAN	Sampling Company: GETTLER RYAN INC
Union Oil PM Phone No.: (925) 842 3270	Sampled By (PRINT): GILBERT MEDINA
Charge Code: NWRTB- 0 351647 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	**BC Laboratories, Inc.** **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

Turnaround Time (TAT): Standard ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						ANALYSES REQUIRED											
Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS (C6-C12) 8015B	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B / EDB / EDC (8260)	EPA 8260B Full List with OXYS							Notes / Comments
QA	W-S-A		170915	—	2		X	X									"RUN 8 OXYS BM
MW-1	W-S-A			1345	6				X								8260 ON
2	W-S-A			1655													MTBE HITS"
3	W-S-A			2130													
4	W-S-A			2035													
5	W-S-A			2200													
6	W-S-A			1710													
7	W-S-A			1940													
10	W-S-A			1505													
11	W-S-A			1600													
12	W-S-A			1415													
RW-1	W-S-A			2225													

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	GRINC	9/16/17 0900			09-18-17 1145			
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
GETTLER-RYAN FILE		09-18-17 0700	Hany Bogan	BC Lab	9-18-17 1145			

9/19/17

ATTACHMENT B

[Historical Groundwater Analytical Data]

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
MW-1	--	11/1/1989	--	--	--	--	ND	ND	ND	ND	0.3	
	--	2/15/1990	--	--	--	--	170	7.9	ND	2.2	2.8	
	--	8/16/1990	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/7/1990	--	--	--	--	45	ND	ND	ND	ND	
	--	2/25/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/19/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/6/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	ND	0.75	ND	ND	ND	
	81.07	12/21/1992	8.12	72.95	0	--	--	--	--	--	--	
	81.07	1/30/1993	7.63	73.44	0	--	--	--	--	--	--	
	81.07	2/24/1993	7.16	73.91	0	--	1,100	280	4.9	120	140	
	81.07	3/22/1993	6.26	74.81	0	--	--	--	--	--	--	
	81.07	4/28/1993	7.91	73.16	0	--	--	--	--	--	--	
	81.07	5/25/1993	7.87	73.20	0	--	260	27	4.9	2.6	54	
	80.54	6/23/1993	7.66	72.88	0	--	--	--	--	--	--	
	80.54	7/22/1993	7.87	72.67	0	--	--	--	--	--	--	
	80.54	8/25/1993	8.00	72.54	0	--	ND	ND	ND	ND	ND	
	80.54	9/22/1993	8.10	72.44	0	--	--	--	--	--	--	
	80.54	10/28/1993	8.15	72.39	0	--	--	--	--	--	--	
	80.54	11/30/1993	7.65	72.89	0	--	--	--	--	--	--	
	80.54	2/16/1994	7.46	73.08	0	--	ND	0.84	ND	ND	0.59	
	80.54	5/31/1994	7.80	72.74	0	--	--	--	--	--	--	
	80.54	8/31/1994	8.27	72.27	0	--	ND	ND	0.98	ND	0.84	
	80.54	9/27/1994	8.37	72.17	0	--	--	--	--	--	--	
	80.54	10/11/1994	8.36	72.18	0	--	--	--	--	--	--	
	80.54	11/10/1994	6.43	74.11	0	--	--	--	--	--	--	
	80.54	2/7/1995	7.06	73.48	0	--	6,100	670	ND	120	60	
	80.54	5/3/1995	6.85	73.69	0	--	260	21	39	17	24	
	80.54	8/3/1995	7.69	72.85	0	--	--	--	--	--	--	
	80.54	11/7/1995	8.15	72.39	0	--	ND	ND	ND	ND	ND	
	80.54	5/6/1996	7.40	73.14	0	--	170	1.0	20	2.3	17	
	80.54	11/5/1996	7.90	72.64	0	--	ND	ND	ND	ND	ND	
	80.54	5/15/1997	7.77	72.77	0	--	ND	ND	ND	ND	ND	
	80.54	11/12/1997	7.48	73.06	0	--	ND	ND	ND	ND	ND	
	80.54	5/4/1998	7.39	73.15	0	--	ND	ND	ND	ND	ND	
	80.54	11/11/1998	7.37	73.17	0	--	ND	ND	ND	ND	ND	
	80.54	5/20/1999	7.41	73.13	0	--	ND	ND	ND	ND	ND	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	80.54	11/15/1999	7.84	72.70	0	--	ND	ND	ND	ND	ND	
	80.54	5/22/2000	7.53	73.01	0	--	ND	0.89	ND	ND	ND	
	80.54	11/22/2000	7.35	73.19	0	--	ND	ND	ND	ND	ND	
	80.54	5/15/2001	7.48	73.06	0	--	345	ND	3.41	2.77	25.2	
	80.54	11/23/2001	7.57	72.97	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.54	5/24/2002	7.10	73.44	0	--	70	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.54	11/29/2002	7.96	72.58	0	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	
	80.54	5/15/2003	7.22	73.32	0	--	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<5.0	
	80.54	11/4/2003	7.94	72.60	0	120	--	ND<1.0	ND<1.0	ND<1.0	ND<2.0	
	80.54	5/24/2004	7.54	73.00	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	11/29/2004	7.27	73.27	0	58	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/24/2005	7.06	73.48	0	87	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/15/2005	7.35	73.19	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/14/2006	7.06	73.48	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/21/2006	7.12	73.42	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.54	6/28/2007	7.79	72.75	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.54	12/13/2007	7.94	72.60	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/9/2008	8.00	72.54	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/30/2008	7.51	73.03	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	9/28/2009	8.10	72.44	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/15/2009	7.32	73.22	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/28/2010	7.80	72.74	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/29/2010	6.22	74.32	0	99	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/7/2011	6.25	74.29	0	140	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/9/2011	7.97	72.57	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/1/2012	7.63	72.91	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/6/2013	7.88	72.66	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/13/2013	8.34	72.20	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	6/23/2014	8.27	72.27	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/17/2014	5.82	74.72	0	1,100	1,200	50	8.2	14	230	
	80.54	6/9/2015	8.06	72.48	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	12/30/2015	7.72	72.82	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.54	**6/22/2016**	**8.06**	**72.48**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-2	--	11/1/1989	--	--	--	--	200	ND	ND	3.0	1.2	
	--	2/15/1990	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/16/1990	--	--	--	--	ND	ND	6.7	ND	ND	
	--	11/7/1990	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/25/1991	--	--	--	--	ND	0.68	0.42	ND	0.86	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	5/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/19/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/6/1992	--	--	--	--	ND	0.36	0.66	ND	0.62	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	510	ND	ND	ND	ND	
	81.62	12/21/1992	9.14	72.48	0	--	--	--	--	--	--	
	81.62	1/30/1993	8.99	72.63	0	--	--	--	--	--	--	
	81.62	2/24/1993	8.03	73.59	0	--	11,000 J	ND	ND	ND	ND	
	81.62	3/22/1993	9.50	72.12	0	--	--	--	--	--	--	
	81.62	4/28/1993	8.87	72.75	0	--	--	--	--	--	--	
	81.62	5/25/1993	9.04	72.58	0	--	1,300 J	ND	ND	ND	ND	
	81.32	6/23/1993	9.17	72.15	0	--	--	--	--	--	--	
	81.32	7/22/1993	9.42	71.90	0	--	--	--	--	--	--	
	81.32	8/25/1993	9.53	71.79	0	--	190 J	ND	ND	ND	ND	
	81.32	9/22/1993	9.67	71.65	0	--	--	--	--	--	--	
	81.32	10/28/1993	9.65	71.67	0	--	--	--	--	--	--	
	81.32	11/30/1993	9.18	72.14	0	--	480 J	ND	ND	ND	ND	
	81.32	2/16/1994	8.91	72.41	0	--	3,200 J	ND	ND	ND	ND	
	81.32	5/31/1994	9.36	71.96	0	--	1,100 J	ND	ND	ND	ND	
	81.32	8/31/1994	9.85	71.47	0	--	310 J	ND	ND	ND	ND	
	81.32	9/27/1994	9.95	71.37	0	--	--	--	--	--	--	
	81.32	11/10/1994	7.47	73.85	0	--	95 J	ND	ND	ND	ND	
	81.32	2/7/1995	8.29	73.03	0	--	1,600 J	ND	ND	ND	ND	
	81.32	5/3/1995	8.12	73.20	0	--	ND	ND	ND	ND	ND	
	81.32	8/3/1995	9.35	71.97	0	--	ND	ND	ND	ND	ND	
	81.32	8/19/1995	--	--	0	--	--	--	--	--	--	
	81.32	10/11/1995	9.95	71.37	0	--	--	--	--	--	--	
	81.32	11/7/1995	9.65	71.67	0	--	ND	ND	ND	ND	ND	
	81.32	5/6/1996	8.90	72.42	0	--	--	--	--	--	--	
	81.32	11/5/1996	10.98	70.34	0	--	--	--	--	--	--	
	81.32	5/15/1997	9.13	72.19	0	--	--	--	--	--	--	
	81.32	11/12/1997	9.84	71.48	0	--	--	--	--	--	--	
	81.32	5/4/1998	9.26	72.06	0	--	--	--	--	--	--	
	81.32	11/11/1998	8.88	72.44	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.32	5/20/1999	8.68	72.64	0	--	--	--	--	--	--	
	81.32	11/15/1999	8.91	72.41	0	--	--	--	--	--	--	
	81.32	5/22/2000	8.61	72.71	0	--	--	--	--	--	--	
	81.32	11/22/2000	8.64	72.68	0	--	--	--	--	--	--	
	81.32	5/15/2001	8.73	72.59	0	--	--	--	--	--	--	
	81.32	11/23/2001	8.61	72.71	0	--	--	--	--	--	--	
	81.32	5/24/2002	8.03	73.29	0	--	--	--	--	--	--	
	81.32	11/29/2002	8.79	72.53	0	--	--	--	--	--	--	
	81.32	5/15/2003	8.21	73.11	0	--	--	--	--	--	--	
	81.32	11/4/2003	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	5/24/2004	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	11/29/2004	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	6/24/2005	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	12/15/2005	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	6/14/2006	8.56	72.76	0	140	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/21/2006	8.38	72.94	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.32	6/28/2007	9.23	72.09	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.32	12/13/2007	9.10	72.22	0	ND<50	--	ND<0.50	1.1	ND<0.50	1.4	
	81.32	6/9/2008	10.01	71.31	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/30/2008	--	--	--	--	--	--	--	--	--	Unable to locate due to debris
	81.32	9/28/2009	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
	81.32	12/15/2009	8.93	72.39	0	69	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	6/28/2010	9.65	71.67	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/29/2010	7.91	73.41	0	67	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	6/7/2011	7.75	73.57	0	73	--	0.97	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/9/2011	8.95	72.37	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	6/1/2012	9.18	72.14	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	6/6/2013	9.40	71.92	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/13/2013	9.68	71.64	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	3.1	
	81.32	6/23/2014	9.69	71.63	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/17/2014	6.88	74.44	0	--	ND<50	0.8	ND<0.50	ND<0.50	ND<1.0	
	81.32	6/9/2015	9.01	72.31	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	12/30/2015	8.89	72.43	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.32	**6/22/2016**	**9.04**	**72.28**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-3	--	11/1/1989	--	--	--	--	13,000	57	48	1.7	120	

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3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	2/15/1990	--	--	--	--	20,000	1,700	2,100	750	3,100	
	--	8/16/1990	--	--	--	--	6,800	600	660	760	160	
	--	11/7/1990	--	--	--	--	42,000	1,400	5,000	1,800	7,500	
	--	2/25/1991	--	--	--	--	37,000	730	2,900	1,300	7,300	
	--	5/28/1991	--	--	--	--	24,000	570	1,100	810	4,200	
	--	8/28/1991	--	--	--	--	16,000	650	2,200	1,100	5,400	
	--	11/19/1991	--	--	--	--	22,000	250	440	660	3,000	
	--	2/6/1992	--	--	--	--	24,000	600	1,800	1,200	5,800	
	--	5/23/1992	--	--	--	--	25,000	300	130	880	4,900	
	--	8/26/1992	--	--	--	--	20,000	690	1,900	1,300	5,700	
	--	11/20/1992	--	--	--	--	1,100,000	1,800	6,400	3,000	15,000	
	82.01	12/4/1992	10.30	71.71	0	--	--	--	--	--	--	
	82.01	12/21/1992	9.78	72.23	0	--	--	--	--	--	--	Sheen
	82.01	1/9/1993	8.55	73.46	0	--	--	--	--	--	--	
	82.01	1/30/1993	8.90	73.11	0	--	--	--	--	--	--	
	82.01	2/10/1993	9.01	72.99	0.01	--	--	--	--	--	--	
	82.01	2/24/1993	8.26	73.74	0.01	--	--	--	--	--	--	
	82.01	3/9/1993	9.18	72.82	0.02	--	--	--	--	--	--	
	82.01	3/22/1993	8.81	73.19	0.02	--	--	--	--	--	--	
	82.01	4/8/1993	9.14	72.86	0.02	--	--	--	--	--	--	
	82.01	4/28/1993	9.44	72.55	0.03	--	--	--	--	--	--	
	82.01	5/12/1993	9.57	72.42	0.03	--	--	--	--	--	--	
	82.01	5/25/1993	9.45	72.54	0.03	--	--	--	--	--	--	
	81.41	6/7/1993	8.94	72.47	0	--	--	--	--	--	--	
	81.41	6/23/1993	9.20	72.20	0.02	--	--	--	--	--	--	
	81.41	7/8/1993	9.31	72.08	0.03	--	--	--	--	--	--	
	81.41	7/22/1993	9.47	71.94	0	--	--	--	--	--	--	
	81.41	8/11/1993	9.59	71.82	0	--	--	--	--	--	--	
	81.41	8/25/1993	9.67	71.72	0.03	--	--	--	--	--	--	
	81.41	9/8/1993	10.34	71.07	0	--	--	--	--	--	--	
	81.41	9/22/1993	9.84	71.56	0.02	--	--	--	--	--	--	
	81.41	10/7/1993	9.87	71.54	0	--	--	--	--	--	--	
	81.41	10/28/1993	10.03	71.38	0	--	--	--	--	--	--	
	81.41	11/12/1993	9.76	71.65	0	--	--	--	--	--	--	
	81.41	11/30/1993	9.66	71.74	0.02	--	--	--	--	--	--	
	81.41	2/16/1994	8.87	72.54	0	--	57,000	910	2,500	2,100	9,000	Sheen

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.41	5/31/1994	9.48	71.93	0	--	39,000	670	630	1,500	6,200	
	81.41	8/31/1994	10.08	71.33	0	--	44,000	500	240	1,400	5,700	
	81.41	9/24/1994	10.22	71.19	0	--	--	--	--	--	--	
	81.41	10/11/1994	10.41	70.99	0.01	--	--	--	--	--	--	LPH in well
	81.41	11/10/1994	7.47	73.94	0	--	86,000	3,300	3,800	1,800	8,300	Sheen
	81.41	2/7/1995	8.05	73.36	0	--	45,000	1,400	1,300	1,500	5,600	
	81.41	3/14/1995	7.05	74.36	0	--	--	--	--	--	--	
	81.41	5/3/1995	7.91	73.50	0	--	26,000	740	990	1,100	4,400	
	81.41	8/3/1995	9.28	72.13	0	--	18,000	59	ND	530	1,900	
	81.41	8/19/1995	--	--	0	--	--	--	--	--	--	
	81.41	11/7/1995	10.79	70.62	0	--	17,000	110	26	400	1,500	
	81.41	5/6/1996	9.44	71.97	0	--	5,100	48	ND	87	210	Sheen
	81.41	11/5/1996	10.64	70.77	0	--	35,000	2,200	ND	1,200	2,800	
	81.41	5/15/1997	9.61	71.80	0	--	2,400	110	ND	ND	140	
	81.41	11/12/1997	9.18	72.23	0	--	29,000	2,000	ND	1,800	3,000	
	81.41	5/4/1998	9.50	71.91	0	--	8,200	430	ND	310	320	
	81.41	11/11/1998	9.25	72.16	0	--	8,700	500	ND	330	310	
	81.41	5/20/1999	8.95	72.46	0	--	4,300	250	ND	ND	86	
	81.41	11/15/1999	10.35	71.06	0	--	6,720	326	ND	398	226	
	81.41	5/22/2000	9.14	72.27	0	--	4,000	99	4.5	190	75	
	81.41	11/22/2000	9.33	72.08	0	--	6,130	93.7	6.71	174	47.8	
	81.41	5/15/2001	9.25	72.16	0	--	4,490	229	7.09	160	31.6	
	81.41	11/23/2001	9.12	72.29	0	--	3,500	41	ND<5.0	120	8.0	
	81.41	5/24/2002	8.58	72.83	0	--	4,000	86	6.0	120	5.8	
	81.41	11/29/2002	9.81	71.60	0	--	5,300	ND<25	ND<25	65	ND<50	
	81.41	5/15/2003	8.76	72.65	0	--	5,600	ND<5.0	ND<5.0	81	ND<10	
	81.41	11/4/2003	9.90	71.51	0	13,000	--	ND<20	ND<20	72	56	
	81.41	5/24/2004	9.29	72.12	0	10,000	--	14	ND<10	81	ND<20	
	81.41	11/29/2004	9.15	72.26	0	9,000	--	5.9	ND<5.0	45	ND<10	
	81.41	6/24/2005	8.65	72.76	0	5,600	--	31	4.1	97	220	
	81.41	12/15/2005	9.27	72.14	0	6,800	--	81	45	110	220	
	81.41	6/14/2006	8.73	72.68	0	10,000	--	38	ND<2.5	130	170	
	81.41	12/21/2006	8.95	72.46	0	6,600	--	36	ND<2.5	150	120	
	81.41	6/28/2007	10.01	71.40	0	6,700	--	33	ND<0.50	70	24	
	81.41	12/13/2007	10.22	71.19	0	4,000	--	20	ND<1.0	51	19	
	81.41	6/9/2008	10.25	71.16	0	9,700	--	190	ND<2.5	170	48	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.41	12/30/2008	--	--	--	--	--	--	--	--	--	Unable to locate due to debris
	81.41	9/28/2009	10.15	71.26	0	6,200	--	39	ND<2.5	170	12	
	81.41	12/15/2009	9.18	72.23	0	3,300	--	9.1	ND<2.5	47	5.6	
	81.41	6/28/2010	9.82	71.59	0	10,000	--	13	ND<0.50	92	14	
	81.41	12/29/2010	7.84	73.57	0	3,900	--	16	ND<0.50	36	5.2	
	81.41	6/7/2011	6.10	75.31	0	3,700	--	170	ND<1.0	150	40	
	81.41	12/9/2011	10.08	71.33	0	--	9,900	11	ND<2.5	98	47	
	81.41	6/1/2012	9.92	71.49	0	--	4,300	4.6	ND<0.50	17	3.4	
	81.41	11/23/2012	9.78	71.63	0	--	2,000	1.3	ND<0.50	12	ND<1.0	
	81.41	12/13/2013	10.39	71.02	0	--	1,100	ND<0.50	ND<0.50	23	4.2	
	81.41	6/23/2014	10.28	71.13	0	--	4,200	87	ND<0.50	76	13	
	81.41	12/17/2014	7.99	73.42	0	8,700	5,900	35	ND<0.50	56	4.7	
	81.41	6/9/2015	9.74	71.67	0	--	6,500	4	ND<0.50	ND<0.50	ND<1.0	Sheen
	81.41	12/30/2015	9.44	71.97	0	--	3,100	2.3	ND<0.50	20	ND<1.0	
	81.41	**6/22/2016**	**9.81**	**71.60**	**0**	**--**	**1,900**	**71**	**ND<2.5**	**81**	**6.2**	
MW-4	--	2/15/1990	--	--	--	--	150	8.0	8.0	10	45	
	--	8/16/1990	--	--	--	--	3,600	480	17	230	260	
	--	11/7/1990	--	--	--	--	180	1.5	0.37	6.3	26	
	--	2/25/1991	--	--	--	--	22,000	600	1,300	780	2,800	
	--	5/28/1991	--	--	--	--	38	ND	ND	ND	2	
	--	8/28/1991	--	--	--	--	2,000	1,500	20	120	300	
	--	11/19/1991	--	--	--	--	55	9.2	4.5	1.4	6.7	
	--	2/6/1992	--	--	--	--	5,700	2,200	140	57	980	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	120	86	0.52	0.57	1.6	
	--	11/20/1992	--	--	--	--	ND	6.2	ND	1.2	0.52	
	81.48	1/30/1993	8.35	73.13	0	--	--	--	--	--	--	
	81.48	2/24/1993	8.17	73.31	0	--	140	12	0.64	9.4	3.7	
	81.48	3/22/1993	8.12	73.36	0	--	--	--	--	--	--	
	81.48	4/28/1993	9.36	72.12	0	--	--	--	--	--	--	
	81.48	5/25/1993	8.75	72.73	0	--	74	10	ND	4.6	1.8	
	81.29	6/23/1993	8.90	72.39	0	--	--	--	--	--	--	
	81.29	7/22/1993	9.26	72.03	0	--	--	--	--	--	--	
	81.29	8/25/1993	9.45	71.84	0	--	640	100	1.1	100	22	
	81.29	9/22/1993	9.63	71.66	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.29	10/28/1993	9.62	71.67	0	--	--	--	--	--	--	
	81.29	11/30/1993	9.40	71.89	0	--	200	28	ND	17	8.1	
	81.48	12/21/1993	9.10	72.38	0	--	--	--	--	--	--	
	81.29	2/16/1994	9.21	72.08	0	--	190	11	0.98	21	6.6	
	81.29	5/31/1994	9.11	72.18	0	--	1,100	190	ND	100	58	
	81.29	8/31/1994	10.01	71.28	0	--	400	17	0.94	14	5.2	
	81.29	9/27/1994	10.09	71.20	0	--	--	--	--	--	--	
	81.29	10/11/1994	11.50	69.79	0	--	--	--	--	--	--	
	81.29	11/10/1994	9.21	72.08	0	--	7,700	1,800	280	460	1,300	
	81.29	2/7/1995	7.66	73.63	0	--	540	47	ND	17	2.5	
	81.29	5/3/1995	8.29	73.00	0	--	160	8.3	0.52	1.5	3.7	
	81.29	8/3/1995	8.60	72.69	0	--	57	2.0	ND	ND	ND	
	81.29	8/19/1995	--	--	0	--	--	--	--	--	--	
	81.29	11/7/1995	10.28	71.01	0	--	ND	0.71	ND	ND	ND	
	81.29	5/6/1996	8.70	72.59	0	--	1,200	12	11	15	36	
	81.29	11/5/1996	10.00	71.29	0	--	700	32	0.71	1.8	1.3	
	81.29	5/15/1997	9.37	71.92	0	--	51	ND	ND	ND	ND	
	81.29	11/12/1997	8.92	72.37	0	--	74	1.7	ND	ND	ND	
	81.29	5/4/1998	9.48	71.81	0	--	ND	ND	ND	ND	ND	
	81.29	11/11/1998	9.13	72.16	0	--	ND	0.63	ND	ND	ND	
	81.29	5/20/1999	8.41	72.88	0	--	ND	ND	ND	ND	ND	
	81.29	11/15/1999	9.68	71.61	0	--	ND	ND	ND	ND	ND	
	81.29	5/22/2000	8.60	72.69	0	--	ND	ND	ND	ND	ND	
	81.29	11/22/2000	8.91	72.38	0	--	ND	ND	ND	ND	ND	
	81.29	5/15/2001	8.66	72.63	0	--	ND	ND	1.10	ND	1.16	
	81.29	11/23/2001	8.84	72.45	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.29	5/24/2002	7.93	73.36	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.29	11/29/2002	9.34	71.95	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.29	5/15/2003	7.87	73.42	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.48	11/4/2003	9.45	72.03	0	61	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.48	5/24/2004	8.49	72.99	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.48	11/29/2004	9.01	72.47	0	120	--	ND<0.50	ND<0.50	0.52	ND<1.0	
	81.48	6/24/2005	7.81	73.67	0	90	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.48	12/15/2005	8.73	72.75	0	170	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.48	6/14/2006	7.43	74.05	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/21/2006	7.04	--	0	62	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Casing elevation modified on 6/21/2006

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	6/28/2007	11.49	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	--	12/13/2007	11.79	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/9/2008	12.24	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/30/2008	9.34	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	9/28/2009	--	--	--	--	--	--	--	--	--	Car parked over well
	--	12/15/2009	10.22	--	0	1,800	--	4.4	ND<0.50	8.5	ND<1.0	
	--	6/28/2010	11.74	--	0	230	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/29/2010	9.33	--	0	5,300	--	0.72	0.55	35	ND<1.0	
	--	6/7/2011	8.68	--	0	3,900	--	ND<2.5	ND<2.5	46	ND<5.0	
	--	12/9/2011	9.04	--	0	--	1,900	ND<0.50	ND<0.50	1.4	ND<1.0	
	--	6/1/2012	9.92	--	0	--	680	ND<2.5	ND<2.5	ND<2.5	ND<5.0	
	--	6/6/2013	9.17	--	0	--	410	0.52	ND<0.50	ND<0.50	ND<1.0	
	--	12/13/2013	10.05	--	0	--	3,200	2.1	ND<0.50	3.2	ND<1.0	
	--	6/23/2014	10.28	--	0	--	2,600	2.5	ND<0.50	9.1	ND<1.0	
	--	12/17/2014	9.32	--	0	1,900	1,800	4.5	ND<0.50	9.1	ND<1.0	
	--	6/9/2015	9.41	--	0	--	2,200	1.8	ND<0.50	11	ND<1.0	
	--	12/30/2015	9.78	--	0	--	5,000	1.4	ND<0.50	9.3	ND<1.0	
	--	**6/22/2016**	**9.08**	**--**	**0**	**--**	**1,900**	**ND<0.50**	**ND<0.50**	**7.2**	**ND<1.0**	
MW-5	--	2/15/1990	--	--	--	--	24,000	1,500	1,700	260	3,600	
	--	8/16/1990	--	--	--	--	16,000	1,400	1,900	2,800	660	
	--	11/7/1990	--	--	--	--	20,000	640	1,100	670	3,000	
	--	2/25/1991	--	--	--	--	25,000	950	1,300	900	3,500	
	--	5/28/1991	--	--	--	--	24,000	2,300	3,400	1,300	6,000	
	--	8/28/1991	--	--	--	--	--	--	--	--	--	
	--	11/19/1991	--	--	--	--	--	--	--	--	--	
	--	2/6/1992	--	--	--	--	--	--	--	--	--	
	--	5/23/1992	--	--	--	--	--	--	--	--	--	
	--	8/26/1992	--	--	--	--	--	--	--	--	--	
	--	11/20/1992	--	--	--	--	--	--	--	--	--	
	81.59	12/4/1992	10.03	71.50	0.08	--	--	--	--	--	--	
	81.59	12/21/1992	9.50	72.08	0.01	--	--	--	--	--	--	
	81.59	1/9/1993	8.22	73.37	0	--	--	--	--	--	--	
	81.59	1/30/1993	8.58	73.01	0	--	--	--	--	--	--	Sheen
	81.59	2/10/1993	8.68	72.91	0	--	--	--	--	--	--	Sheen
	81.59	2/24/1993	7.91	73.67	0.01	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.59	3/9/1993	8.87	72.71	0.01	--	--	--	--	--	--	
	81.59	3/22/1993	8.46	73.12	0.01	--	--	--	--	--	--	
	81.59	4/8/1993	8.84	72.74	0.01	--	--	--	--	--	--	
	81.59	4/28/1993	9.14	72.43	0.02	--	--	--	--	--	--	
	81.59	5/12/1993	9.28	72.29	0.02	--	--	--	--	--	--	
	81.59	5/25/1993	9.63	71.86	0.13	--	--	--	--	--	--	
	81.38	6/7/1993	9.75	71.62	0.01	--	--	--	--	--	--	
	81.38	6/23/1993	9.32	72.04	0.03	--	--	--	--	--	--	
	81.38	7/8/1993	9.48	71.87	0.04	--	--	--	--	--	--	
	81.38	7/22/1993	9.73	71.53	0.16	--	--	--	--	--	--	
	81.38	8/11/1993	9.84	71.51	0.04	--	--	--	--	--	--	
	81.38	8/25/1993	9.81	71.55	0.02	--	--	--	--	--	--	
	81.38	9/8/1993	10.09	71.27	0.03	--	--	--	--	--	--	
	81.38	9/22/1993	10.01	71.33	0.05	--	--	--	--	--	--	
	81.38	10/7/1993	9.94	71.42	0.03	--	--	--	--	--	--	
	81.38	10/28/1993	10.04	71.32	0.02	--	--	--	--	--	--	
	81.38	11/12/1993	9.79	71.59	0	--	--	--	--	--	--	
	81.38	11/30/1993	9.62	71.76	0	--	--	--	--	--	--	
	81.38	2/16/1994	8.95	72.41	0.02	--	--	--	--	--	--	
	81.38	5/31/1994	9.63	71.75	0	--	43,000	1,500	1,200	1,600	6,700	
	81.38	8/31/1994	10.25	71.11	0.02	--	--	--	--	--	--	
	81.38	9/27/1994	10.38	71.00	0	--	--	--	--	--	--	
	81.38	10/11/1994	10.45	70.91	0.02	--	--	--	--	--	--	
	81.38	11/10/1994	7.54	73.78	0.08	--	--	--	--	--	--	
	81.38	2/7/1995	8.10	73.28	0	--	25,000	1,400	740	990	3,000	
	81.38	3/14/1995	7.04	74.34	0	--	--	--	--	--	--	
	81.38	5/3/1995	7.98	73.40	0	--	12,000	680	160	600	1,800	
	81.38	8/3/1995	9.25	72.13	0	--	23,000	940	280	810	2,700	
	81.38	8/19/1995	--	--	0	--	--	--	--	--	--	
	81.38	11/7/1995	10.00	71.38	0	--	40,000	510	280	1,000	5,700	
	81.38	5/6/1996	9.03	72.35	0	--	13,000	200	ND	180	610	Sheen
	81.38	11/5/1996	10.41	70.97	0	--	35,000	1,800	ND	1,300	4,900	
	81.38	5/15/1997	9.41	71.97	0	--	10,000	490	ND	ND	1,300	Sheen
	81.38	11/12/1997	9.27	72.11	0	--	100	5	ND	ND	ND	
	81.38	5/4/1998	9.18	72.20	0	--	39,000	1,600	230	1,000	3,200	
	81.38	11/11/1998	9.23	71.87	0.37	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.38	2/22/1999	7.69	73.50	0.25	--	--	--	--	--	--	
	81.38	4/2/1999	8.19	72.98	0.28	--	--	--	--	--	--	
	81.38	5/4/1999	8.44	72.93	0.01	--	--	--	--	--	--	
	81.38	5/20/1999	8.73	72.62	0.04	--	--	--	--	--	--	
	81.38	6/29/1999	8.91	72.43	0.05	--	--	--	--	--	--	
	81.38	7/29/1999	9.12	72.21	0.07	--	--	--	--	--	--	
	81.38	8/24/1999	9.37	71.94	0.09	--	--	--	--	--	--	
	81.38	9/27/1999	9.51	71.82	0.06	--	--	--	--	--	--	
	81.38	10/28/1999	--	--	0.05	--	--	--	--	--	--	
	81.38	11/15/1999	9.29	72.09	0	--	--	--	--	--	--	Sheen
	81.38	12/20/1999	9.14	72.24	0	--	--	--	--	--	--	
	81.38	1/20/2000	9.08	72.30	0	--	--	--	--	--	--	
	81.38	2/26/2000	8.69	72.69	0	--	--	--	--	--	--	
	81.38	3/31/2000	8.48	72.90	0	--	--	--	--	--	--	
	81.38	4/13/2000	8.66	72.72	0	--	--	--	--	--	--	
	81.38	5/22/2000	9.06	72.32	0	--	240,000	33,000	5,000	18,000	59,000	
	81.38	11/22/2000	9.24	71.64	0.67	--	--	--	--	--	--	
	81.38	2/14/2001	7.63	73.50	0.33	--	--	--	--	--	--	
	81.38	3/28/2001	8.82	72.56	0	--	--	--	--	--	--	
	81.38	4/28/2001	8.66	72.72	0	--	--	--	--	--	--	
	81.38	5/15/2001	8.97	72.41	0	--	--	--	--	--	--	
	81.38	6/29/2001	8.73	72.65	0	--	--	--	--	--	--	
	81.38	7/17/2001	8.92	72.44	0.02	--	--	--	--	--	--	
	81.38	8/30/2001	8.85	72.53	0	--	--	--	--	--	--	
	81.38	9/24/2001	8.89	72.49	0	--	--	--	--	--	--	
	81.38	10/15/2001	9.11	72.25	0.03	--	--	--	--	--	--	
	81.38	11/23/2001	8.77	72.61	0	--	29,000	3,900	450	1,400	3,500	
	81.38	12/10/2001	8.75	72.63	0	--	--	--	--	--	--	
	81.38	1/14/2002	8.26	73.12	0	--	--	--	--	--	--	
	81.38	2/22/2002	6.30	75.08	0	--	--	--	--	--	--	
	81.38	3/11/2002	6.47	74.91	0	--	--	--	--	--	--	
	81.38	4/15/2002	6.56	74.82	0	--	--	--	--	--	--	
	81.38	5/24/2002	8.32	72.95	0.15	--	--	--	--	--	--	
	81.38	6/17/2002	8.41	72.82	0.2	--	--	--	--	--	--	
	81.38	7/15/2002	8.63	72.60	0.2	--	--	--	--	--	--	
	81.38	8/19/2002	8.76	72.39	0.31	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.38	9/5/2002	8.73	72.53	0.16	--	--	--	--	--	--	
	81.38	10/7/2002	8.79	72.52	0.09	--	--	--	--	--	--	
	81.38	11/29/2002	9.18	72.16	0.05	--	--	--	--	--	--	
	81.38	12/12/2002	9.12	72.23	0.04	--	--	--	--	--	--	
	81.38	1/6/2003	9.05	72.31	0.03	--	--	--	--	--	--	
	81.38	2/12/2003	8.87	72.48	0.04	--	--	--	--	--	--	
	81.38	3/13/2003	8.25	73.11	0.03	--	--	--	--	--	--	
	81.38	4/7/2003	8.31	73.05	0.02	--	--	--	--	--	--	
	81.38	5/15/2003	8.58	72.78	0.03	--	--	--	--	--	--	
	81.38	6/12/2003	8.63	72.73	0.02	--	--	--	--	--	--	
	81.38	7/7/2003	8.59	72.77	0.02	--	--	--	--	--	--	
	81.38	8/14/2003	8.65	72.71	0.03	--	--	--	--	--	--	
	81.38	9/12/2003	8.82	72.54	0.03	--	--	--	--	--	--	
	81.38	11/4/2003	9.90	71.29	0.25	--	--	--	--	--	--	
	81.38	5/24/2004	9.33	71.86	0.25	--	--	--	--	--	--	
	81.38	11/29/2004	9.16	72.38	0.21	--	--	--	--	--	--	
	81.38	6/24/2005	8.41	72.97	0	53,000	--	560	230	1,600	5,100	
	81.38	12/15/2005	8.96	72.42	0	27,000	--	130	ND<25	560	1,800	
	81.38	6/14/2006	8.41	72.97	0	11,000	--	110	ND<12	360	640	
	81.38	12/21/2006	9.65	71.73	0	78,000	--	490	43	1,400	4,300	
	81.38	6/28/2007	9.99	71.17	0.29	--	--	--	--	--	--	
	81.38	12/13/2007	10.12	71.13	0.17	--	--	--	--	--	--	
	81.38	6/9/2008	10.12	71.13	0.17	--	--	--	--	--	--	
	81.38	12/30/2008	9.33	71.95	0.13	--	--	--	--	--	--	
	81.38	9/28/2009	9.77	71.60	0.01	--	--	--	--	--	--	
	81.38	12/15/2009	8.87	72.50	0.01	--	--	--	--	--	--	
	81.38	6/28/2010	9.82	71.18	0.5	--	--	--	--	--	--	
	81.38	12/29/2010	8.69	71.57	1.49	--	--	--	--	--	--	
	81.38	2/1/2011	8.30	72.07	1.35	--	--	34,000	--	--	--	
	81.38	6/7/2011	5.43	75.95	0	37,000	--	ND<12	ND<12	190	450	
	81.38	9/13/2011	6.70	74.68	0	--	--	--	--	--	--	
	81.38	10/21/2011	6.72	74.66	0	--	--	--	--	--	--	
	81.38	11/4/2011	6.64	74.74	0	--	--	--	--	--	--	
	81.38	12/9/2011	10.02	71.20	0.21	--	--	--	--	--	--	
	81.38	1/12/2012	10.12	71.24	0.02	--	--	--	--	--	--	
	81.38	6/1/2012	8.22	73.14	0.02	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.38	6/6/2013	9.75	71.63	0	--	30,000	410	7	970	1,300	
	81.38	12/13/2013	10.30	70.92	0.21	--	--	--	--	--	--	
	81.38	6/23/2014	10.26	70.96	0.21	--	--	--	--	--	--	
	81.38	12/17/2014	6.61	74.75	0.03	--	--	--	--	--	--	
	81.38	6/9/2015	9.41	71.95	0.03	--	--	--	--	--	--	
	81.38	9/2/2015	10.58	70.57	0.30	--	--	--	--	--	--	
	81.38	10/16/2015	10.91	70.21	0.35	--	--	--	--	--	--	
	81.38	11/12/2015	10.40	70.81	0.22	--	--	--	--	--	--	
	81.38	12/30/2015	9.35	71.89	0.19	--	--	--	--	--	--	
	81.38	**6/22/2016**	**9.43**	**71.95**	**0**	**--**	**17,000**	**210**	**ND<5.0**	**450**	**540**	
MW-6	--	11/7/1990	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/25/1991	--	--	--	--	ND	0.37	0.4	0.35	1.5	
	--	5/28/1991	--	--	--	--	ND	ND	ND	ND	0.42	
	--	8/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/19/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/6/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	ND	ND	ND	ND	ND	
	80.47	12/21/1992	7.71	72.76	0	--	--	--	--	--	--	
	80.47	1/30/1993	7.25	73.22	0	--	--	--	--	--	--	
	80.47	2/24/1993	6.74	73.73	0	--	ND	ND	ND	ND	ND	
	80.47	3/22/1993	5.85	74.62	0	--	--	--	--	--	--	
	80.47	4/28/1993	7.58	72.89	0	--	--	--	--	--	--	
	80.47	5/25/1993	7.48	72.99	0	--	ND	ND	ND	ND	ND	
	79.94	6/23/1993	7.34	72.60	0	--	--	--	--	--	--	
	79.94	7/22/1993	7.53	72.41	0	--	--	--	--	--	--	
	79.94	8/25/1993	7.66	72.28	0	--	ND	ND	ND	ND	ND	
	79.94	9/22/1993	7.76	72.18	0	--	--	--	--	--	--	
	79.94	10/28/1993	8.30	71.64	0	--	--	--	--	--	--	
	79.94	11/30/1993	7.40	72.54	0	--	--	--	--	--	--	
	79.94	2/16/1994	7.13	72.81	0	--	ND	ND	ND	ND	ND	
	79.94	5/31/1994	7.49	72.45	0	--	--	--	--	--	--	
	79.94	8/31/1994	7.93	72.01	0	--	ND	ND	1.5	ND	1.6	
	79.94	9/27/1994	8.03	71.91	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	79.94	10/11/1994	8.05	71.89	0	--	--	--	--	--	--	
	79.94	11/10/1994	6.12	73.82	0	--	--	--	--	--	--	
	79.94	2/7/1995	6.65	73.29	0	--	ND	ND	ND	ND	ND	
	79.94	5/3/1995	6.47	73.47	0	--	ND	ND	ND	ND	1.0	
	79.94	8/3/1995	7.28	72.66	0	--	--	--	--	--	--	
	79.94	11/7/1995	7.98	71.96	0	--	ND	ND	ND	ND	ND	
	79.94	5/6/1996	7.80	72.14	0	--	--	--	--	--	--	
	79.94	11/5/1996	7.63	72.31	0	--	--	--	--	--	--	
	79.94	5/15/1997	7.41	72.53	0	--	--	--	--	--	--	
	79.94	11/12/1997	7.51	72.43	0	--	--	--	--	--	--	
	79.94	5/4/1998	7.15	72.79	0	--	--	--	--	--	--	
	79.94	11/11/1998	7.04	72.90	0	--	--	--	--	--	--	
	79.94	5/20/1999	7.00	72.94	0	--	--	--	--	--	--	
	79.94	11/15/1999	7.42	72.52	0	--	--	--	--	--	--	
	79.94	5/22/2000	7.24	72.70	0	--	--	--	--	--	--	
	79.94	11/22/2000	7.40	72.54	0	--	--	--	--	--	--	
	79.94	5/15/2001	7.12	72.82	0	--	--	--	--	--	--	
	79.94	11/23/2001	7.19	72.75	0	--	--	--	--	--	--	
	79.94	5/24/2002	6.54	73.40	0	--	--	--	--	--	--	
	79.94	11/29/2002	7.26	72.68	0	--	--	--	--	--	--	
	79.94	5/15/2003	6.26	73.68	0	--	--	--	--	--	--	
	79.94	11/4/2003	7.80	72.14	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	5/24/2004	7.54	72.40	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	11/29/2004	7.01	72.93	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/24/2005	7.68	72.26	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/15/2005	7.49	72.45	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/14/2006	6.45	73.49	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/21/2006	6.91	73.03	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	79.94	6/28/2007	7.46	72.48	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	79.94	12/13/2007	7.41	72.53	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/9/2008	8.20	71.74	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/30/2008	7.47	72.47	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	9/28/2009	7.96	71.98	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/15/2009	7.22	72.72	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/28/2010	7.68	72.26	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/29/2010	5.93	74.01	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	79.94	6/7/2011	6.24	73.70	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/9/2011	6.75	73.19	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/1/2012	7.32	72.62	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/6/2013	7.50	72.44	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/13/2013	8.02	71.92	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/23/2014	7.87	72.07	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/17/2014	5.54	74.40	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	6/9/2015	7.71	72.23	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	12/30/2015	7.21	72.73	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.94	**6/22/2016**	**7.91**	**72.03**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-7	--	11/7/1990	--	--	--	--	ND	ND	ND	ND	ND	
	--	2/25/1991	--	--	--	--	70	ND	ND	ND	0.52	
	--	5/28/1991	--	--	--	--	39	ND	ND	ND	0.73	
	--	8/28/1991	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/19/1991	--	--	--	--	32	ND	ND	ND	ND	
	--	2/6/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	0.73	ND	
	--	11/20/1992	--	--	--	--	ND	ND	ND	ND	ND	
	81.83	12/21/1992	8.42	73.41	0	--	--	--	--	--	--	
	81.83	1/30/1993	8.21	73.62	0	--	--	--	--	--	--	
	81.83	2/24/1993	7.85	73.98	0	--	ND	ND	ND	ND	ND	
	81.83	3/22/1993	6.97	74.86	0	--	--	--	--	--	--	
	81.83	4/28/1993	8.39	73.44	0	--	--	--	--	--	--	
	81.83	5/25/1993	8.43	73.40	0	--	ND	ND	ND	ND	ND	
	81.64	6/23/1993	8.47	73.17	0	--	--	--	--	--	--	
	81.64	7/22/1993	8.83	72.81	0	--	--	--	--	--	--	
	81.64	8/25/1993	8.81	72.83	0	--	ND	ND	ND	ND	ND	
	81.64	9/22/1993	8.96	72.68	0	--	--	--	--	--	--	
	81.64	10/28/1993	8.98	72.66	0	--	--	--	--	--	--	
	81.64	11/30/1993	8.65	72.99	0	--	--	--	--	--	--	
	81.64	2/16/1994	8.36	73.28	0	--	ND	ND	ND	ND	0.7	
	81.64	5/31/1994	8.67	72.97	0	--	--	--	--	--	--	
	81.64	8/31/1994	9.12	72.52	0	--	ND	ND	0.8	ND	0.75	
	81.64	9/27/1994	9.22	72.42	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.64	10/11/1994	9.23	72.41	0	--	--	--	--	--	--	
	81.64	11/10/1994	7.66	73.98	0	--	--	--	--	--	--	
	81.64	2/7/1995	7.88	73.76	0	--	ND	ND	ND	ND	ND	
	81.64	5/3/1995	7.71	73.93	0	--	ND	ND	ND	ND	1.0	
	81.64	8/3/1995	8.40	73.24	0	--	--	--	--	--	--	
	81.64	11/7/1995	8.95	72.69	0	--	ND	ND	ND	ND	ND	
	81.64	5/6/1996	8.15	73.49	0	--	--	--	--	--	--	
	81.64	11/5/1996	8.67	72.97	0	--	--	--	--	--	--	
	81.64	5/15/1997	8.47	73.17	0	--	--	--	--	--	--	
	81.64	11/12/1997	7.88	73.76	0	--	--	--	--	--	--	
	81.64	5/4/1998	7.93	73.71	0	--	--	--	--	--	--	
	81.64	11/11/1998	8.20	73.44	0	--	--	--	--	--	--	
	81.64	5/20/1999	8.04	73.60	0	--	--	--	--	--	--	
	81.64	11/15/1999	8.17	73.47	0	--	--	--	--	--	--	
	81.64	5/22/2000	8.10	73.54	0	--	--	--	--	--	--	
	81.64	11/22/2000	8.30	73.34	0	--	--	--	--	--	--	
	81.64	5/15/2001	8.09	73.55	0	--	--	--	--	--	--	
	81.64	11/23/2001	8.14	73.50	0	--	--	--	--	--	--	
	81.64	5/24/2002	7.56	74.08	0	--	--	--	--	--	--	
	81.64	11/29/2002	8.23	73.41	0	--	--	--	--	--	--	
	81.64	5/15/2003	7.25	74.39	0	--	--	--	--	--	--	
	81.64	11/4/2003	8.76	72.88	0	70	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.64	5/24/2004	8.32	73.32	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.64	11/29/2004	8.21	73.43	0	62	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.64	6/24/2005	7.84	73.80	0	85	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.64	12/15/2005	8.15	73.49	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.64	6/14/2006	7.76	73.88	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/21/2006	7.64	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	Casing elevation modified on 6/21/2006
	--	6/28/2007	8.18	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	--	12/13/2007	8.52	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/9/2008	8.67	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/30/2008	8.46	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	9/28/2009	8.30	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/15/2009	8.22	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/28/2010	8.02	--	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/29/2010	7.18	--	0	56	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	6/7/2011	6.97	--	0	790	--	11	ND<0.50	6.5	ND<1.0	
	--	12/9/2011	8.54	--	0	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/1/2012	8.22	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/6/2013	8.56	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/13/2013	9.09	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/23/2014	9.01	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/17/2014	6.95	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	6/9/2015	8.82	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	12/30/2015	8.58	--	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	**6/22/2016**	**8.79**	**--**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-8	--	11/7/1990	--	--	--	--	4,700	28	38	86	7,200	
	--	2/25/1991	--	--	--	--	5,300	17	6.1	53	300	
	--	5/28/1991	--	--	--	--	4,800	4.2	1.3	5.1	170	
	--	8/28/1991	--	--	--	--	1,800	3.2	1.9	19	74	
	--	11/19/1991	--	--	--	--	1,600	8.1	1.8	19	52	
	--	2/6/1992	--	--	--	--	2,600	4.1	7.0	31	93	
	--	5/23/1992	--	--	--	--	2,100	8.6	1.6	1.7	28	
	--	8/26/1992	--	--	--	--	1,800	12	8.0	4.0	13	
	--	11/20/1992	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	12/21/1992	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	1/9/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	1/30/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	2/10/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	2/24/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	3/9/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	3/22/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	4/8/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	4/28/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	5/12/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.71	5/25/1993	10.12	71.59	0	--	1,200	5.4	ND	9.0	21	
	81.41	6/7/1993	9.98	71.43	0	--	--	--	--	--	--	Inaccessible
	81.41	6/23/1993	10.36	71.05	0	--	--	--	--	--	--	Inaccessible
	81.41	7/8/1993	10.52	70.89	0	--	--	--	--	--	--	Inaccessible
	81.41	7/22/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	8/11/1993	--	--	--	--	--	--	--	--	--	Inaccessible

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.41	8/25/1993	10.95	70.46	0	--	1,800	11	17	8.9	29	
	81.41	9/8/1993	11.34	70.07	0	--	--	--	--	--	--	Inaccessible
	81.41	9/22/1993	11.13	70.28	0	--	--	--	--	--	--	Inaccessible
	81.41	10/7/1993	10.96	70.45	0	--	--	--	--	--	--	Inaccessible
	81.41	10/28/1993	11.19	70.22	0	--	--	--	--	--	--	Inaccessible
	81.41	11/12/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	11/30/1993	10.42	70.99	0	--	3,500	18	ND	ND	ND	
	81.41	2/16/1994	9.86	71.55	0	--	990	4.9	1.8	2.4	4.5	
	81.41	5/31/1994	10.61	70.80	0	--	350	3.0	1.0	0.73	1.7	
	81.41	8/31/1994	11.37	70.04	0	--	1,800	ND	ND	ND	ND	
	81.41	9/27/1994	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	10/11/1994	11.50	69.91	0	--	--	--	--	--	--	Inaccessible
	81.41	11/10/1994	7.81	73.60	0	--	940	6.7	6.3	ND	16	
	81.41	2/7/1995	8.69	72.72	0	--	230	1.4	0.95	0.9	1.1	
	81.41	5/3/1995	8.60	72.81	0	--	75	ND	ND	ND	1.0	
	81.41	8/3/1995	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	11/7/1995	11.05	70.36	0	--	210	1.3	1.2	ND	ND	
	81.41	5/6/1996	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	11/5/1996	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	5/15/1997	10.46	70.95	0	--	ND	ND	ND	ND	ND	
	81.41	11/12/1997	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	5/4/1998	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	11/11/1998	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	5/20/1999	9.75	71.66	0	--	ND	ND	ND	ND	ND	
	81.41	11/15/1999	--	--	--	--	--	--	--	--	--	Car parked over well
	81.41	5/22/2000	9.80	71.61	0	--	ND	ND	1.9	ND	3.3	
	81.41	11/22/2000	9.76	71.65	0	--	ND	ND	1.16	ND	1.22	
	81.41	5/15/2001	9.87	71.54	0	--	ND	ND	ND	ND	ND	
	81.41	11/23/2001	9.92	71.49	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.41	5/24/2002	9.26	72.15	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.41	11/29/2002	9.71	71.70	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	5/15/2003	9.04	72.37	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	11/4/2003	10.20	71.21	0	690	--	ND<1.0	ND<1.0	3.3	ND<2.0	
	81.41	5/24/2004	10.04	71.37	0	450	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	
	81.41	11/29/2004	9.88	71.53	0	1,500	--	ND<10	ND<10	ND<10	ND<20	
	81.41	6/24/2005	9.40	72.01	0	150	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.41	12/15/2005	10.01	71.40	0	520	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	6/14/2006	5.91	75.50	0	230	--	ND<0.50	ND<0.50	0.60	ND<1.0	
	81.41	12/21/2006	9.65	71.76	0	260	--	2.5	ND<0.50	12	43	
	81.41	6/28/2007	11.10	70.31	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.41	12/13/2007	11.18	70.23	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	6/9/2008	11.25	70.16	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	12/30/2008	10.05	71.36	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	9/28/2009	11.10	70.31	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	12/15/2009	10.00	71.41	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	6/28/2010	10.86	70.55	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	12/29/2010	8.57	72.84	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.41	6/7/2011	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	12/9/2011	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	6/1/2012	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	6/6/2013	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	12/13/2013	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	6/23/2014	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	12/17/2014	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	6/9/2015	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	12/30/2015	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	**6/22/2016**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-9	--	11/7/1990	--	--	--	--	480	7.8	1.2	13	47	
	--	2/25/1991	--	--	--	--	390	13	1.1	2.8	14	
	--	5/28/1991	--	--	--	--	590	6.0	0.43	6.8	1.4	
	--	8/28/1991	--	--	--	--	450	17	0.9	13	14	
	--	11/19/1991	--	--	--	--	360	17	0.45	15	11	
	--	2/6/1992	--	--	--	--	660	41	1.0	33	15	
	--	5/23/1992	--	--	--	--	460	18	0.66	1.4	3.2	
	--	8/26/1992	--	--	--	--	250	13	ND	8.6	3.8	
	--	11/20/1992	--	--	--	--	--	--	--	--	--	Inaccessible
	81.13	12/21/1992	--	--	--	--	--	--	--	--	--	Inaccessible
	81.13	1/30/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.13	2/24/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.13	3/22/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.13	4/28/1993	--	--	--	--	--	--	--	--	--	Inaccessible

Table 4
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76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.13	5/25/1993	11.50	69.63	0	--	160	6.1	ND	7.4	1.1	
	80.53	6/23/1993	9.78	70.75	0	--	--	--	--	--	--	Inaccessible
	80.53	7/22/1993	10.10	70.43	0	--	--	--	--	--	--	Inaccessible
	80.53	8/25/1993	10.44	70.09	0	--	220	10	ND	6.8	1.4	
	80.53	9/22/1993	10.64	69.89	0	--	--	--	--	--	--	Inaccessible
	80.53	10/28/1993	10.68	69.85	0	--	--	--	--	--	--	Inaccessible
	80.53	11/30/1993	9.87	70.66	0	--	200	5.6	ND	2.9	2.7	
	80.53	2/16/1994	9.21	71.32	0	--	250	5.1	1.3	4.4	1.5	
	80.53	5/31/1994	10.15	70.38	0	--	360	7.8	0.97	4.6	2.2	
	80.53	8/31/1994	10.97	69.56	0	--	650	7.7	2.8	4.4	5.0	
	80.53	9/27/1994	11.10	69.43	0	--	--	--	--	--	--	Inaccessible
	80.53	10/11/1994	11.20	69.33	0	--	--	--	--	--	--	Inaccessible
	80.53	11/10/1994	7.25	73.28	0	--	ND	ND	ND	ND	ND	
	80.53	2/7/1995	7.76	72.77	0	--	57	0.7	ND	0.86	ND	
	80.53	5/3/1995	7.82	72.71	0	--	ND	0.85	0.67	1.3	1.0	
	80.53	8/3/1995	9.70	70.83	0	--	91	1.1	ND	ND	ND	
	80.53	11/7/1995	10.64	69.89	0	--	130	1.5	0.62	0.71	ND	
	80.53	5/6/1996	9.01	71.52	0	--	860	6.1	13	6.0	25	
	80.53	11/5/1996	11.42	69.11	0	--	84	0.74	ND	1.2	4.5	
	80.53	5/15/1997	9.89	70.64	0	--	ND	ND	ND	ND	ND	
	80.53	11/12/1997	10.22	70.31	0	--	ND	0.55	ND	ND	ND	
	80.53	5/4/1998	10.05	70.48	0	--	ND	ND	ND	ND	ND	
	80.53	11/11/1998	9.23	71.30	0	--	ND	ND	ND	ND	ND	
	80.53	5/20/1999	8.78	71.75	0	--	ND	ND	ND	ND	ND	
	80.53	11/15/1999	9.12	71.41	0	--	ND	ND	ND	ND	ND	
	80.53	5/22/2000	9.17	71.36	0	--	ND	ND	1.9	ND	3.5	
	80.53	11/22/2000	9.08	71.45	0	--	ND	ND	1.18	ND	1.16	
	80.53	5/15/2001	8.85	71.68	0	--	ND	ND	ND	ND	ND	
	80.53	11/23/2001	9.10	71.43	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.53	5/24/2002	8.79	71.74	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	80.53	11/29/2002	9.24	71.29	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	5/15/2003	8.56	71.97	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	11/4/2003	--	--	--	--	--	--	--	--	--	Car parked over well
	80.53	5/24/2004	9.38	71.15	0	330	--	1.8	ND<0.50	ND<0.50	ND<1.0	
	80.53	11/29/2004	9.55	70.98	0	690	--	0.72	ND<0.50	1.3	ND<1.0	
	80.53	6/24/2005	8.65	71.88	0	240	--	0.80	ND<0.50	0.55	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	80.53	12/15/2005	9.43	71.10	0	400	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	6/14/2006	9.43	71.10	0	<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	12/21/2006	9.01	71.52	0	580	--	ND<0.50	ND<0.50	0.71	ND<0.50	
	80.53	6/28/2007	11.64	68.89	0	1,200	--	0.81	ND<0.50	ND<0.50	0.54	
	80.53	12/13/2007	11.18	69.35	0	1,100	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	6/9/2008	11.10	69.43	0	1,500	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	12/30/2008	9.66	70.87	0	970	--	ND<0.50	ND<0.50	0.84	ND<1.0	
	80.53	9/28/2009	10.83	69.70	0	860	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	12/15/2009	10.00	70.53	0	870	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	6/28/2010	10.45	70.08	0	360	--	ND<0.50	ND<0.50	1.0	ND<1.0	
	80.53	12/29/2010	7.72	72.81	0	53	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.53	6/7/2011	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	12/9/2011	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	6/1/2012	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	6/6/2013	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	12/13/2013	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	6/23/2014	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	12/17/2014	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	6/9/2015	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	12/30/2015	--	--	--	--	--	--	--	--	--	Inaccessible
	80.53	**6/22/2016**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	Inaccessible
MW-10	--	2/6/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	ND	ND	ND	ND	ND	
	81.90	12/21/1992	13.41	68.49	0	--	--	--	--	--	--	
	81.90	1/30/1993	11.60	70.30	0	--	--	--	--	--	--	
	81.90	2/24/1993	11.23	70.67	0	--	ND	ND	ND	ND	ND	
	81.90	3/22/1993	10.89	71.01	0	--	--	--	--	--	--	
	81.90	4/28/1993	12.11	69.79	0	--	--	--	--	--	--	
	81.90	5/25/1993	12.02	69.88	0	--	ND	ND	ND	ND	ND	
	81.61	6/23/1993	12.11	69.50	0	--	--	--	--	--	--	
	81.61	7/22/1993	12.49	69.12	0	--	--	--	--	--	--	
	81.61	8/25/1993	12.78	68.83	0	--	ND	ND	ND	ND	ND	
	81.61	9/22/1993	13.06	68.55	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.61	10/28/1993	13.23	68.38	0	--	--	--	--	--	--	
	81.61	11/30/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.61	2/16/1994	12.43	69.18	0	--	ND	ND	ND	ND	ND	
	81.61	5/31/1994	12.69	68.92	0	--	ND	ND	0.9	ND	0.91	
	81.61	8/31/1994	13.47	68.14	0	--	ND	ND	0.64	ND	0.54	
	81.61	9/27/1994	13.72	67.89	0	--	--	--	--	--	--	
	81.61	10/11/1994	14.80	66.81	0	--	--	--	--	--	--	
	81.61	11/10/1994	12.64	68.97	0	--	ND	ND	ND	ND	ND	
	81.61	2/7/1995	10.29	71.32	0	--	--	--	--	--	--	
	81.61	5/3/1995	10.22	71.39	0	--	ND	ND	ND	ND	0.65	
	81.61	8/3/1995	11.73	69.88	0	--	--	--	--	--	--	
	81.61	11/7/1995	12.98	68.63	0	--	ND	ND	ND	ND	ND	
	81.61	5/6/1996	10.90	70.71	0	--	--	--	--	--	--	
	81.61	11/5/1996	11.96	69.65	0	--	--	--	--	--	--	
	81.61	5/15/1997	10.79	70.82	0	--	--	--	--	--	--	
	81.61	11/12/1997	10.07	71.54	0	--	--	--	--	--	--	
	81.61	5/4/1998	10.01	71.60	0	--	--	--	--	--	--	
	81.61	11/11/1998	12.03	69.58	0	--	--	--	--	--	--	
	81.61	5/20/1999	10.05	71.56	0	--	--	--	--	--	--	
	81.61	11/15/1999	10.16	71.45	0	--	--	--	--	--	--	
	81.61	5/22/2000	10.06	71.55	0	--	--	--	--	--	--	
	81.61	11/22/2000	10.12	71.49	0	--	--	--	--	--	--	
	81.61	5/15/2001	10.08	71.53	0	--	--	--	--	--	--	
	81.61	11/23/2001	10.14	71.47	0	--	--	--	--	--	--	
	81.61	5/24/2002	9.48	72.13	0	--	--	--	--	--	--	
	81.61	11/29/2002	10.11	71.50	0	--	--	--	--	--	--	
	81.61	5/15/2003	9.22	72.39	0	--	--	--	--	--	--	
	81.61	11/4/2003	12.82	68.79	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	5/24/2004	11.52	70.09	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	11/29/2004	12.58	69.03	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/24/2005	10.70	70.91	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/15/2005	12.09	69.52	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/14/2006	9.77	71.84	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/21/2006	11.57	70.04	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.61	6/28/2007	14.11	67.50	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	81.61	12/13/2007	15.72	65.89	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	81.61	6/9/2008	14.93	66.68	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/30/2008	13.56	68.05	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	9/28/2009	13.52	68.09	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/15/2009	14.02	67.59	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/28/2010	13.55	68.06	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/29/2010	13.23	68.38	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/7/2011	12.36	69.25	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/9/2011	14.41	67.20	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/1/2012	12.65	68.96	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/6/2013	13.28	68.33	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/13/2013	14.48	67.13	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/23/2014	14.10	67.51	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/17/2014	12.93	68.68	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	6/9/2015	14.04	67.57	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	12/30/2015	14.66	66.95	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	81.61	**6/22/2016**	**13.58**	**68.03**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-11	--	2/6/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	5/23/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	ND	ND	ND	ND	ND	
	78.43	12/21/1992	12.34	66.09	0	--	--	--	--	--	--	
	78.43	1/30/1993	14.17	64.26	0	--	--	--	--	--	--	
	78.43	2/24/1993	12.70	65.73	0	--	ND	ND	ND	ND	ND	
	78.43	3/22/1993	8.95	69.48	0	--	--	--	--	--	--	
	78.43	4/28/1993	13.87	64.56	0	--	--	--	--	--	--	
	78.43	5/25/1993	15.14	63.29	0	--	ND	ND	0.75	ND	1.0	
	78.43	6/23/1993	15.08	63.10	0	--	--	--	--	--	--	
	78.43	7/22/1993	15.46	62.72	0	--	--	--	--	--	--	
	78.43	8/25/1993	14.10	64.08	0	--	ND	ND	ND	ND	ND	
	78.43	9/22/1993	15.03	63.15	0	--	--	--	--	--	--	
	78.43	10/28/1993	13.84	64.34	0	--	--	--	--	--	--	
	78.43	11/30/1993	13.04	65.14	0	--	ND	ND	ND	ND	ND	
	78.43	2/16/1994	12.76	65.42	0	--	ND	ND	ND	ND	ND	
	78.43	5/31/1994	12.79	65.39	0	--	ND	ND	ND	ND	ND	
	78.43	8/31/1994	12.97	65.21	0	--	ND	ND	1.5	ND	1.8	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	78.43	9/27/1994	14.88	63.30	0	--	--	--	--	--	--	
	78.43	10/11/1994	13.40	64.78	0	--	--	--	--	--	--	
	78.43	11/10/1994	13.57	64.61	0	--	ND	ND	ND	ND	ND	
	78.43	2/7/1995	12.28	65.90	0	--	--	--	--	--	--	
	78.43	5/3/1995	9.28	68.90	0	--	ND	ND	ND	ND	ND	
	78.43	8/3/1995	12.67	65.51	0	--	--	--	--	--	--	
	78.43	11/7/1995	12.28	65.90	0	--	ND	ND	ND	ND	ND	
	78.43	5/6/1996	13.30	64.88	0	--	--	--	--	--	--	
	78.43	11/5/1996	10.90	67.28	0	--	--	--	--	--	--	
	78.43	5/15/1997	11.65	66.53	0	--	--	--	--	--	--	
	78.43	11/12/1997	9.66	68.52	0	--	--	--	--	--	--	
	78.43	5/4/1998	10.87	67.31	0	--	--	--	--	--	--	
	78.43	11/11/1998	11.40	66.78	0	--	--	--	--	--	--	
	78.43	5/20/1999	10.71	67.47	0	--	ND	ND	ND	ND	ND	
	78.43	11/15/1999	11.32	66.86	0	--	ND	ND	1.04	ND	ND	
	78.43	5/22/2000	10.98	67.20	0	--	ND	ND	ND	ND	ND	
	78.43	11/22/2000	11.17	67.01	0	--	ND	ND	ND	ND	ND	
	78.43	5/15/2001	10.93	67.25	0	--	ND	ND	ND	ND	ND	
	78.43	11/23/2001	11.08	67.10	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	78.43	5/24/2002	10.58	67.60	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	78.43	11/29/2002	11.27	66.91	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	5/15/2003	10.25	67.93	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	11/4/2003	11.23	66.95	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	5/24/2004	10.10	68.08	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	11/29/2004	10.96	67.22	0	63	--	ND<0.50	ND<0.50	1.0	2.5	
	78.43	6/24/2005	14.07	64.11	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	12/15/2005	13.28	64.90	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	6/14/2006	12.53	65.65	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	12/21/2006	12.78	65.40	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	78.43	6/28/2007	--	--	--	--	--	--	--	--	--	Bus parked over well
	78.43	12/13/2007	15.37	62.81	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	6/9/2008	14.80	63.38	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	12/30/2008	12.90	65.28	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	9/28/2009	12.57	65.61	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	12/15/2009	--	--	--	--	--	--	--	--	--	Car parked over well
	78.43	6/28/2010	14.42	63.76	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
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76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	78.43	12/29/2010	15.40	62.78	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.43	6/7/2011	15.79	62.39	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	12/9/2011	13.27	64.91	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	6/1/2012	14.50	63.68	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	6/6/2013	15.32	62.86	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	12/13/2013	15.04	63.14	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	6/23/2014	--	--	--	--	--	--	--	--	--	Unable to access
	78.18	12/17/2014	14.56	63.62	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	6/9/2015	14.51	63.67	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	12/30/2015	10.81	67.37	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	78.18	**6/22/2016**	**13.07**	**65.11**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
MW-12	--	8/26/1992	--	--	--	--	ND	ND	ND	ND	ND	
	--	11/20/1992	--	--	--	--	ND	ND	ND	ND	ND	
	79.89	12/21/1992	12.11	67.78	0	--	--	--	--	--	--	
	79.89	1/30/1993	13.18	66.71	0	--	--	--	--	--	--	
	79.89	2/24/1993	12.13	67.76	0	--	ND	ND	ND	ND	ND	
	79.89	3/22/1993	11.22	68.67	0	--	--	--	--	--	--	
	79.89	4/28/1993	13.42	66.47	0	--	--	--	--	--	--	
	79.89	5/25/1993	13.68	66.21	0	--	ND	ND	ND	ND	ND	
	79.61	6/23/1993	14.56	65.05	0	--	--	--	--	--	--	
	79.61	7/22/1993	14.96	64.65	0	--	--	--	--	--	--	
	79.61	8/25/1993	13.61	66.00	0	--	ND	ND	ND	ND	ND	
	79.61	9/22/1993	15.02	64.59	0	--	--	--	--	--	--	
	79.61	10/28/1993	14.04	65.57	0	--	--	--	--	--	--	
	79.61	11/30/1993	13.28	66.33	0	--	ND	ND	ND	ND	ND	
	79.61	2/16/1994	12.76	66.85	0	--	ND	ND	ND	ND	ND	
	79.61	5/31/1994	12.64	66.97	0	--	ND	ND	0.81	ND	0.82	
	79.61	8/31/1994	12.82	66.79	0	--	ND	ND	1.0	ND	1.0	
	79.61	9/27/1994	14.66	64.95	0	--	--	--	--	--	--	
	79.61	10/11/1994	14.25	65.36	0	--	--	--	--	--	--	
	79.61	11/10/1994	13.40	66.21	0	--	ND	ND	ND	ND	ND	
	79.61	2/7/1995	11.72	67.89	0	--	--	--	--	--	--	
	79.61	5/3/1995	13.38	66.23	0	--	ND	ND	ND	ND	ND	
	79.61	8/3/1995	13.47	66.14	0	--	--	--	--	--	--	
	79.61	11/7/1995	12.78	66.83	0	--	ND	ND	ND	ND	ND	

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3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	79.61	5/6/1996	13.25	66.36	0	--	--	--	--	--	--	
	79.61	11/5/1996	11.88	67.73	0	--	--	--	--	--	--	
	79.61	5/15/1997	11.72	67.89	0	--	--	--	--	--	--	
	79.61	11/12/1997	10.01	69.60	0	--	--	--	--	--	--	
	79.61	5/4/1998	10.96	68.65	0	--	--	--	--	--	--	
	79.61	11/11/1998	11.53	68.08	0	--	--	--	--	--	--	
	79.61	5/20/1999	10.84	68.77	0	--	--	--	--	--	--	
	79.61	11/15/1999	11.36	68.25	0	--	--	--	--	--	--	
	79.61	5/22/2000	11.19	68.42	0	--	--	--	--	--	--	
	79.61	11/22/2000	11.36	68.25	0	--	--	--	--	--	--	
	79.61	5/15/2001	11.04	68.57	0	--	--	--	--	--	--	
	79.61	11/23/2001	11.14	68.47	0	--	--	--	--	--	--	
	79.61	5/24/2002	10.69	68.92	0	--	--	--	--	--	--	
	79.61	11/29/2002	11.23	68.38	0	--	--	--	--	--	--	
	79.61	5/15/2003	10.38	69.23	0	--	--	--	--	--	--	
	79.61	11/4/2003	11.34	68.27	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	5/24/2004	9.84	69.77	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	11/29/2004	12.17	67.44	0	64	--	0.68	ND<0.50	1.2	3.0	
	79.61	6/24/2005	13.16	66.45	0	53	--	ND<0.50	ND<0.50	0.13	0.42	
	79.61	12/15/2005	13.94	65.67	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/14/2006	13.11	66.50	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/21/2006	9.03	70.58	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	79.61	6/28/2007	11.75	67.86	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	79.61	12/13/2007	14.83	64.78	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/9/2008	14.84	64.77	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/30/2008	13.22	66.39	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	9/28/2009	10.55	69.06	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/15/2009	9.33	70.28	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/28/2010	9.31	70.30	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/29/2010	9.51	70.10	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/7/2011	7.33	72.28	0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/9/2011	9.42	70.19	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/1/2012	10.13	69.48	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/6/2013	9.52	70.09	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/13/2013	10.96	68.65	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/23/2014	11.11	68.50	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	79.61	12/17/2014	9.76	69.85	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	6/9/2015	10.13	69.48	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	12/30/2015	10.06	69.55	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	79.61	**6/22/2016**	**10.27**	**69.34**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
RW-1	81.20	2/24/1993	7.19	74.01	0	--	--	--	--	--	--	
	81.20	5/12/1993	8.82	72.38	0	--	--	--	--	--	--	
	81.20	5/25/1993	8.58	72.62	0	--	--	--	--	--	--	
	80.63	6/7/1993	8.16	72.47	0	--	--	--	--	--	--	
	80.63	6/23/1993	8.53	72.10	0	--	--	--	--	--	--	
	80.63	7/8/1993	8.69	71.94	0	--	--	--	--	--	--	
	80.63	8/11/1993	9.00	71.63	0	--	--	--	--	--	--	
	80.63	8/25/1993	9.07	71.56	0	--	--	--	--	--	--	
	80.63	9/8/1993	9.71	70.92	0	--	--	--	--	--	--	
	80.63	9/22/1993	9.25	71.38	0	--	--	--	--	--	--	
	80.63	11/12/1993	9.00	71.63	--	--	--	--	--	--	--	
	80.63	2/16/1994	7.82	72.81	0	--	--	--	--	--	--	
	80.63	5/31/1994	8.81	71.82	0	--	--	--	--	--	--	
	80.63	8/31/1994	9.61	71.02	0	--	--	--	--	--	--	
	80.63	11/10/1994	6.34	74.29	0	--	--	--	--	--	--	
	80.63	2/7/1995	7.18	73.45	0	--	--	--	--	--	--	
	80.63	3/14/1995	6.01	74.62	0	--	--	--	--	--	--	
	--	11/7/1995	--	--	--	--	--	--	--	--	--	
	80.63	10/15/2001	8.43	72.20	0	--	--	--	--	--	--	
	80.63	11/23/2001	8.57	72.06	0	--	--	--	--	--	--	
	80.63	12/10/2001	8.51	72.12	0	--	--	--	--	--	--	
	80.63	1/14/2002	8.13	72.50	0	--	--	--	--	--	--	
	80.63	2/22/2002	6.18	74.45	0	--	--	--	--	--	--	
	80.63	3/11/2002	6.31	74.32	0	--	--	--	--	--	--	
	80.63	4/15/2002	6.39	74.24	0	--	--	--	--	--	--	
	80.63	5/24/2002	8.14	72.49	0	--	--	--	--	--	--	
	80.63	6/17/2002	8.18	72.45	0	--	--	--	--	--	--	
	80.63	7/15/2002	8.29	72.34	0	--	--	--	--	--	--	
	80.63	8/19/2002	8.44	72.19	0	--	--	--	--	--	--	
	80.63	9/5/2002	8.47	72.16	0	--	--	--	--	--	--	
	80.63	10/7/2002	8.43	72.20	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	80.63	11/29/2002	8.92	71.71	0	--	--	--	--	--	--	
	80.63	12/12/2002	8.87	71.76	0	--	--	--	--	--	--	
	80.63	1/6/2003	8.66	71.97	0	--	--	--	--	--	--	
	80.63	2/12/2003	8.39	72.24	0	--	--	--	--	--	--	
	80.63	3/13/2003	8.06	72.57	0	--	--	--	--	--	--	
	80.63	4/7/2003	8.09	72.54	0	--	--	--	--	--	--	
	80.63	5/15/2003	8.07	72.56	0	--	--	--	--	--	--	
	80.63	6/12/2003	8.11	72.52	0	--	--	--	--	--	--	
	80.63	7/7/2003	8.13	72.50	0	--	--	--	--	--	--	
	80.63	8/14/2003	8.23	72.40	0	--	--	--	--	--	--	
	80.63	9/12/2003	8.29	72.34	0	--	--	--	--	--	--	
	80.63	11/4/2003	9.97	70.66	0	2,600	--	11	ND<10	ND<10	ND<20	
	80.63	5/24/2004	8.31	72.32	0	3,100	--	20	ND<5.0	16	ND<10	
	80.63	11/29/2004	8.23	72.40	0	4,500	--	46	ND<1.0	34	3.6	
	80.63	6/24/2005	7.53	73.10	0	2,000	--	20	0.87	50	3.0	
	80.63	12/15/2005	8.11	72.52	0	3,300	--	37	0.70	35	4.7	
	80.63	6/14/2006	7.41	73.22	0	1,500	--	2.0	0.95	6.9	ND<1.0	
	80.63	12/21/2006	7.78	72.85	0	3,100	--	21	0.65	56	5.4	
	80.63	6/28/2007	9.09	71.54	0	2,800	--	46	0.96	44	2.6	
	80.63	12/13/2007	9.21	71.42	0	9,100	--	190	2.1	400	81	
	80.63	6/9/2008	9.30	71.33	0	5,400	--	23	ND<2.5	330	13	
	80.63	12/30/2008	8.23	72.40	0	5,800	--	130	ND<2.5	270	58	
	80.63	9/28/2009	9.10	71.53	0	3,400	--	3.8	ND<2.5	23	5.0	
	80.63	12/15/2009	7.96	72.67	0	9,100	--	18	ND<2.5	450	160	
	80.63	6/28/2010	8.68	71.95	0	2,300	--	20	1.0	56	ND<1.0	
	80.63	12/29/2010	6.04	74.59	0	4,100	--	9.3	1.3	6.8	ND<1.0	
	80.63	6/7/2011	3.61	77.02	0	730	--	4.1	ND<0.50	16	ND<1.0	
	80.63	10/21/2011	5.45	75.18	0	--	--	--	--	--	--	
	80.63	12/9/2011	9.28	71.35	0	--	2,900	240	1.2	180	30	
	80.63	1/12/2012	9.53	71.10	0	--	--	--	--	--	--	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-g (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	80.63	6/1/2012	8.48	72.15	0	--	3,600	140	ND<2.5	56	ND<5.0	
	80.63	6/6/2013	8.73	71.90	0	--	1,300	1.2	1.4	5.8	ND<1.0	
	80.63	12/13/2013	9.20	71.43	0	--	150	0.81	ND<0.50	ND<0.50	ND<1.0	
	80.63	6/23/2014	9.20	71.43	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.63	12/17/2014	5.81	74.82	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.63	6/9/2015	8.10	72.53	0	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.63	10/16/2015	9.58	71.05	0	--	--	--	--	--	--	
	80.63	11/12/2015	9.18	71.45	0	--	--	--	--	--	--	
	80.63	12/30/2015	7.94	72.69	0	--	75	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	80.63	**6/22/2016**	**8.41**	**72.22**	**0**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	
QA	--	12/30/2015	--	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
	--	**6/22/2016**	**--**	**--**	**--**	**--**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<1.0**	

NOTES:
* TOC and GWE are in feet above mean sea level. GWE for wells with LNAPL has been adjusted for LNAPL thickness.
µg/L = Micrograms per liter
-- = Not available/not sampled
8260B = Analyzed by Environmental Protection Agency (EPA) Method 8260B
B = Benzene
DTW = Depth to water below TOC
E = Ethylbenzene
ft = Feet
GWE = Groundwater elevation
ID = Identification
J = Laboratory estimated value
LNAPL = Light non-aqueous phase liquid
ND = Not detected
ND<# = Analyte not detected at or above indicated laboratory practical quantitation limit
QA = Quality assurance/trip blank
T = Toluene
TOC = Top of casing
TPH-g = Total petroleum hydrocarbons as gasoline; reported as Total Purgeable Petroleum Hydrocarbons in the laboratory report
TPH-GRO = Total petroleum hydrocarbons-gasoline range organics
X = Total xylenes

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
MW-1	11/1/1989	--	--	--	--	--	--	--	--	--	--
	2/15/1990	--	--	--	--	--	--	--	--	--	--
	8/16/1990	--	--	--	--	--	--	--	--	--	--
	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	55	--	--	--	--	--	--	--	--	--
	11/5/1996	5.2	--	--	--	--	--	--	--	--	--
	5/15/1997	16	--	--	--	--	--	--	--	--	--
	11/12/1997	11	--	--	--	--	--	--	--	--	--
	5/4/1998	320	--	--	--	--	--	--	--	--	--
	11/11/1998	200	--	--	--	--	--	--	--	--	--
	5/20/1999	89	47	ND	ND	ND	ND	ND	--	--	--
	11/15/1999	8.12	7.19	ND	ND	ND	ND	ND	--	--	--
	5/22/2000	220	290	130	ND	ND	ND	ND	--	--	--
	11/22/2000	105	142	--	--	ND	ND	ND	--	--	--
	5/15/2001	178	374	ND	ND	ND	ND	ND	--	--	--
	11/23/2001	350	350	ND<57	ND<1,400	ND<2.9	ND<2.9	ND<2.9	ND<2.9	--	ND<2.9
	5/24/2002	200	240	ND<200	ND<1,000	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	ND<4.0
	11/29/2002	--	330	ND<500	ND<2,500	ND<10	ND<10	ND<10	ND<10	--	ND<10
	5/15/2003	--	210	ND<500	ND<2,500	ND<10	ND<10	ND<10	ND<10	--	ND<10
	11/4/2003	--	140	ND<200	ND<1,000	ND<4.0	ND<4.0	ND<4.0	--	--	--
	5/24/2004	--	26	ND<5.0	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	11/29/2004	--	44	--	ND<50	--	--	--	--	--	--
	6/24/2005	--	80	--	ND<1,000	--	--	--	--	--	--
	12/15/2005	--	32	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	44	--	ND<250	--	--	--	--	--	--
	12/21/2006	--	16	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	6/28/2007	--	5.6	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	10	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	29	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	3.2	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	0.98	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	8.1	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	1.6	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	22	--	--	--	--	--	--	--	--
	12/9/2011	--	4.2	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	0.87	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	0.51	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	1.3	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	0.89	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-2	11/1/1989	--	--	--	--	--	--	--	--	--	--
	2/15/1990	--	--	--	--	--	--	--	--	--	--
	8/16/1990	--	--	--	--	--	--	--	--	--	--
	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	2,700	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	8/19/1995	--	--	--	--	--	--	--	--	--	--
	10/11/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	160	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	--	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	5/22/2000	--	--	--	--	--	--	--	--	--	--
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	--	--	--	--	--	--	--	--	--
	5/24/2004	--	--	--	--	--	--	--	--	--	--
	11/29/2004	--	--	--	--	--	--	--	--	--	--
	6/24/2005	--	--	--	--	--	--	--	--	--	--
	12/15/2005	--	--	--	--	--	--	--	--	--	--
	6/14/2006	--	190	--	ND<250	--	--	--	--	--	--
	12/21/2006	--	32	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	8.3	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	10	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	12	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	--	--	--	--	--	--	--	--	--
	9/28/2009	--	--	--	--	--	--	--	--	--	--
	12/15/2009	--	5.9	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	4.3	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	2.1	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	14	--	--	--	--	--	--	--	--
	12/9/2011	--	7.9	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	2.9	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	0.95	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	1.1	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	0.82	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	0.68	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	0.58	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**0.91**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-3	11/1/1989	--	--	--	--	--	--	--	--	--	--
	2/15/1990	--	--	--	--	--	--	--	--	--	--
	8/16/1990	--	--	--	--	--	--	--	--	--	--
	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/4/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/9/1993	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/10/1993	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/9/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/8/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/12/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/7/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/8/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/11/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/8/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/7/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/12/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/24/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	3/14/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	8/19/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	880	--	--	--	--	--	--	--	--	--
	5/6/1996	370	--	--	--	--	--	--	--	--	--
	11/5/1996	460	--	--	--	--	--	--	--	--	--
	5/15/1997	100	--	--	--	--	--	--	--	--	--
	11/12/1997	ND	--	--	--	--	--	--	--	--	--
	5/4/1998	ND	--	--	--	--	--	--	--	--	--
	11/11/1998	ND	--	--	--	--	--	--	--	--	--
	5/20/1999	ND	--	--	--	--	--	--	--	--	--
	11/15/1999	120	45.1	--	--	--	--	--	--	--	--
	5/22/2000	100	94	ND	ND	ND	ND	ND	--	--	--
	11/22/2000	212	131	--	--	ND	ND	ND	--	--	--
	5/15/2001	97.1	75.5	ND	ND	ND	ND	ND	--	--	--
	11/23/2001	320	390	79	ND<1,200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND<2.5
	5/24/2002	120	73	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0
	11/29/2002	--	340	ND<5,000	ND<25,000	ND<100	ND<100	ND<100	ND<100	--	ND<100
	5/15/2003	--	440	ND<1,000	ND<5,000	ND<20	ND<20	ND<20	ND<20	--	ND<20
	11/4/2003	--	530	ND<4,000	ND<20,000	ND<80	ND<80	ND<80	--	--	--
	5/24/2004	--	1200	190	ND<1,000	ND<20	ND<10	ND<10	ND<10	--	ND<10
	11/29/2004	--	550	--	ND<500	--	--	--	--	--	--
	6/24/2005	--	400	--	ND<10,000	--	--	--	--	--	--
	12/15/2005	--	280	ND<500	ND<12,000	ND<25	ND<25	ND<25	ND<25	--	ND<25
	6/14/2006	--	160	--	ND<1,200	--	--	--	--	--	--
	12/21/2006	--	96	110	ND<1,200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	ND<2.5
	6/28/2007	--	75	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	27	--	ND<500	--	--	--	--	--	--
	6/9/2008	--	19	--	ND<1,200	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	12/30/2008	--	--	--	--	--	--	--	--	--	--
	9/28/2009	--	18	--	ND<1,200	--	--	--	--	--	--
	12/15/2009	--	13	--	ND<1,200	--	--	--	--	--	--
	6/28/2010	--	17	--	ND<250	--	--	--	ND<0.50	ND<0.010	ND<0.50
	12/29/2010	--	28	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	5.7	--	--	--	--	--	--	--	--
	12/9/2011	--	9.3	--	ND<1,200	--	--	--	ND<2.5	--	ND<2.5
	6/1/2012	--	19	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	11/23/2012	--	11	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	6	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	7.6	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	15	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	16	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	6.3	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**21**	**ND<50**	**ND<1,200**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**ND<2.5**	**--**	**ND<2.5**
MW-4	2/15/1990	--	--	--	--	--	--	--	--	--	--
	8/16/1990	--	--	--	--	--	--	--	--	--	--
	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	12/21/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	8/19/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	0.86	--	--	--	--	--	--	--	--	--
	5/6/1996	ND	--	--	--	--	--	--	--	--	--
	11/5/1996	6.5	--	--	--	--	--	--	--	--	--
	5/15/1997	ND	--	--	--	--	--	--	--	--	--
	11/12/1997	ND	--	--	--	--	--	--	--	--	--
	5/4/1998	ND	--	--	--	--	--	--	--	--	--
	11/11/1998	ND	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	5/20/1999	ND	--	--	--	ND<2.0	--	--	--	--	--
	11/15/1999	ND	--	--	--	--	--	--	--	--	--
	5/22/2000	ND	--	--	--	--	--	--	--	--	--
	11/22/2000	ND	--	--	--	--	--	--	--	--	--
	5/15/2001	ND	--	--	--	--	--	--	--	--	--
	11/23/2001	ND<5.0	--	--	--	--	--	--	--	--	--
	5/24/2002	9.6	3.5	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0
	11/29/2002	--	2.6	ND<100	ND<500	--	ND<2.0	ND<2.0	ND<2.0	--	ND<2.0
	5/15/2003	--	ND<2.0	--	--	--	--	--	--	--	--
	11/4/2003	--	ND<2.0	--	ND<500	--	--	--	--	--	--
	5/24/2004	--	ND<0.50	--	ND<50	ND<1.0	--	--	--	--	--
	11/29/2004	--	0.55	ND<5.0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/24/2005	--	ND<0.50	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	0.65	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	ND<0.50	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	0.67	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	0.61	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	0.62	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	0.99	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	1.1	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	--	--	--	--	--	--	--	--	--
	12/15/2009	--	4.0	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	2.7	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	0.78	ND<10	ND<250		ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	ND<2.5	--	--	--	--	--	--	--	--
	12/9/2011	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	ND<2.5	--	ND<1,200	--	--	--	ND<2.5	--	ND<2.5
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	0.55	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-5	2/15/1990	--	--	--	--	--	--	--	--	--	--
	8/16/1990	--	--	--	--	--	--	--	--	--	--
	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/4/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/9/1993	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/10/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/9/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/8/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	5/12/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/7/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/8/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/11/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/8/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/7/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/12/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	3/14/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	8/19/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	630	--	--	--	--	--	--	--	--	--
	5/6/1996	170	--	--	--	--	--	--	--	--	--
	11/5/1996	580	--	--	--	--	--	--	--	--	--
	5/15/1997	ND	--	--	--	--	--	--	--	--	--
	11/12/1997	74	--	--	--	--	--	--	--	--	--
	5/4/1998	ND	--	--	--	ND	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	2/22/1999	--	--	--	--	--	--	--	--	--	--
	4/2/1999	--	--	--	--	--	--	--	--	--	--
	5/4/1999	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	6/29/1999	--	--	--	--	--	--	--	--	--	--
	7/29/1999	--	--	--	--	--	--	--	--	--	--
	8/24/1999	--	--	--	--	--	--	--	--	--	--
	9/27/1999	--	--	--	--	--	--	--	--	--	--
	10/28/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	12/20/1999	--	--	--	--	--	--	--	--	--	--
	1/20/2000	--	--	--	--	--	--	--	--	--	--
	2/26/2000	--	--	--	--	--	--	--	--	--	--
	3/31/2000	--	--	--	--	--	--	--	--	--	--
	4/13/2000	--	--	--	--	--	--	--	--	--	--
	5/22/2000	640	21	ND	ND	--	ND	ND	--	--	--
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	2/14/2001	--	--	--	--	--	--	--	--	--	--
	3/28/2001	--	--	--	--	--	--	--	--	--	--
	4/28/2001	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--
	6/29/2001	--	--	--	--	--	--	--	--	--	--
	7/17/2001	--	--	--	--	--	--	--	--	--	--
	8/30/2001	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	9/24/2001	--	--	--	--	--	--	--	--	--	--
	10/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	ND<500	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	--	--	--	--	--
	1/14/2002	--	--	--	--	--	--	--	--	--	--
	2/22/2002	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	--	--	--	--	--
	4/15/2002	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	6/17/2002	--	--	--	--	--	--	--	--	--	--
	7/15/2002	--	--	--	--	--	--	--	--	--	--
	8/19/2002	--	--	--	--	--	--	--	--	--	--
	9/5/2002	--	--	--	--	--	--	--	--	--	--
	10/7/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	12/12/2002	--	--	--	--	--	--	--	--	--	--
	1/6/2003	--	--	--	--	--	--	--	--	--	--
	2/12/2003	--	--	--	--	--	--	--	--	--	--
	3/13/2003	--	--	--	--	--	--	--	--	--	--
	4/7/2003	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	6/12/2003	--	--	--	--	--	--	--	--	--	--
	7/7/2003	--	--	--	--	--	--	--	--	--	--
	8/14/2003	--	--	--	--	--	--	--	--	--	--
	9/12/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	--	--	--	--	--	--	--	--	--
	5/24/2004	--	--	--	--	--	--	--	--	--	--
	11/29/2004	--	--	--	--	--	--	--	--	--	--
	6/24/2005	--	82	--	ND<50,000	ND<25	--	--	--	--	--
	12/15/2005	--	120	ND<500	ND<12,000	--	ND<25	ND<25	ND<25	--	ND<25
	6/14/2006	--	48	--	ND<6,200	ND<25	--	--	--	--	--
	12/21/2006	--	96	ND<500	ND<12,000	--	ND<25	ND<25	ND<25	--	ND<25
	6/28/2007	--	--	--	--	--	--	--	--	--	--
	12/13/2007	--	--	--	--	--	--	--	--	--	--
	6/9/2008	--	--	--	--	--	--	--	--	--	--
	12/30/2008	--	--	--	--	--	--	--	--	--	--
	9/28/2009	--	--	--	--	--	--	--	--	--	--
	12/15/2009	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	--	--	--	--	--	--	--	--	--
	12/29/2010	--	--	--	--	--	--	--	--	--	--
	2/1/2011	--	--	--	--	--	--	--	--	--	--
	6/7/2011	--	ND<12	--	--	--	--	--	--	--	--
	9/13/2011	--	--	--	--	--	--	--	--	--	--
	10/21/2011	--	--	--	--	--	--	--	--	--	--
	11/4/2011	--	--	--	--	--	--	--	--	--	--
	12/9/2011	--	--	--	--	--	--	--	--	--	--
	1/12/2012	--	--	--	--	--	--	--	--	--	--
	6/1/2012	--	--	--	--	--	--	--	--	--	--
	6/6/2013	--	2.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	--	--	--	--	--	--	--	--	--
	6/23/2014	--	--	--	--	--	--	--	--	--	--
	12/17/2014	--	--	--	--	--	--	--	--	--	--
	6/9/2015	--	--	--	--	--	--	--	--	--	--
	12/30/2015	--	--	--	--	--	--	--	--	--	--
	6/22/2016	**--**	**ND<5.0**	**ND<100**	**ND<2,500**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**--**	**ND<5.0**

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
MW-6	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	ND<2.0	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	5/22/2000	--	--	--	--	--	--	--	--	--	--
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	2.4	ND<100	ND<500	ND<1.0	ND<2.0	ND<2.0	--	--	--
	5/24/2004	--	2.8	ND<5.0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	11/29/2004	--	4.8	--	ND<50	--	--	--	--	--	--
	6/24/2005	--	0.47	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	0.88	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	3.0	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	1.0	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	1.2	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	0.64	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	0.65	--	ND<250	--	--	--	--	--	--

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76 Station No. 0746 (351647)
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WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	12/30/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	0.67	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	ND<0.50	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	ND<0.50	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	12	--	--	--	--	--	--	--	--
	12/9/2011	--	2.0	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	0.64	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-7	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	--	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	5/22/2000	--	--	--	--	--	--	--	--	--	--

Table 5
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Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	ND<2.0	--	ND<500	ND<1.0	--	--	--	--	--
	5/24/2004	--	1.4	ND<5.0	ND<50	--	ND<0.5	ND<0.5	ND<0.5	--	ND<0.5
	11/29/2004	--	3.6	--	ND<50	--	--	--	--	--	--
	6/24/2005	--	1.6	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	0.72	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	ND<0.50	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	0.75	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	0.51	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	0.58	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	0.54	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	1.0	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	0.52	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	1.6	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	ND<0.50	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	6.0	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	19	--	--	--	--	--	--	--	--
	12/9/2011	--	4.5	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	0.71	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	2.1	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-8	11/7/1990	--	--	--	--	--	--	--	--	--	--
	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/9/1993	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/10/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/9/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/8/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/12/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/7/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/8/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	8/11/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/8/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/7/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/12/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	43	--	--	--	ND	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	--	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	23	10	ND	ND	ND	ND	ND	--	--	--
	11/15/1999	--	--	ND	ND	ND<4.0	ND	ND	--	--	--
	5/22/2000	ND	--	--	--	--	--	--	--	--	--
	11/22/2000	ND	--	--	--	--	--	--	--	--	--
	5/15/2001	ND	--	--	--	--	--	--	--	--	--
	11/23/2001	ND<5.0	--	--	--	--	--	--	--	--	--
	5/24/2002	ND<5.0	--	--	--	--	--	--	--	--	--
	11/29/2002	--	ND<2.0	--	--	--	--	--	--	--	--
	5/15/2003	--	ND<2.0	--	--	--	--	--	--	--	--
	11/4/2003	--	190	ND<200	ND<1,000	ND<5.0	ND<4.0	ND<4.0	--	--	--
	5/24/2004	--	750	ND<25	ND<250	ND<20	ND<2.5	ND<2.5	ND<2.5	--	ND<2.5
	11/29/2004	--	1,600	ND<100	ND<1,000	--	ND<10	ND<10	ND<10	--	ND<10
	6/24/2005	--	190	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	1,000	ND<10	ND<250	--	ND<0.50	0.95	ND<0.50	--	ND<0.50
	6/14/2006	--	39	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	15	13	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	8.4	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	6.8	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	6.5	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	2.9	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	3.1	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	2.9	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	3.6	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	2.7	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	--	--	--	--	--	--	--	--	--
	12/9/2011	--	--	--	--	--	--	--	--	--	--
	6/1/2012	--	--	--	--	--	--	--	--	--	--
	6/6/2013	--	--	--	--	--	--	--	--	--	--
	12/13/2013	--	--	--	--	--	--	--	--	--	--
	6/23/2014	--	--	--	--	--	--	--	--	--	--
	12/17/2014	--	--	--	--	--	--	--	--	--	--
	6/9/2015	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	12/30/2015	--	--	--	--	--	--	--	--	--	--
	6/22/2016	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
	11/7/1990	--	--	--	--	--	--	--	--	--	--
MW-9	2/25/1991	--	--	--	--	--	--	--	--	--	--
	5/28/1991	--	--	--	--	--	--	--	--	--	--
	8/28/1991	--	--	--	--	--	--	--	--	--	--
	11/19/1991	--	--	--	--	--	--	--	--	--	--
	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	59	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	60	--	--	--	--	--	--	--	--	--
	5/6/1996	ND	--	--	--	--	--	--	--	--	--
	11/5/1996	ND	--	--	--	--	--	--	--	--	--
	5/15/1997	ND	--	--	--	--	--	--	--	--	--
	11/12/1997	74	--	--	--	--	--	--	--	--	--
	5/4/1998	45	--	--	--	--	--	--	--	--	--
	11/11/1998	ND	--	--	--	--	--	--	--	--	--
	5/20/1999	ND	--	--	--	ND<1.0	--	--	--	--	--
	11/15/1999	ND	--	--	--	--	--	--	--	--	--
	5/22/2000	ND	--	--	--	--	--	--	--	--	--
	11/22/2000	ND	--	--	--	--	--	--	--	--	--
	5/15/2001	ND	--	--	--	--	--	--	--	--	--
	11/23/2001	ND<5.0	--	--	--	--	--	--	--	--	--
	5/24/2002	ND<5.0	--	--	--	--	--	--	--	--	--
	11/29/2002	--	ND<2.0	--	--	--	--	--	--	--	--
	5/15/2003	--	ND<2.0	--	--	--	--	--	--	--	--
	11/4/2003	--	--	--	--	--	--	--	--	--	--
	5/24/2004	--	160	29	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	11/29/2004	--	160	23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/24/2005	--	67	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	82	11	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	5.2	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	36	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	6/28/2007	--	52	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	31	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	27	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	5.0	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	7.5	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	3.7	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	2.2	--	ND<250	ND<0.50	--	--	ND<0.50	ND<0.010	ND<0.50
	12/29/2010	--	ND<0.50	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	--	--	--	--	--	--	--	--	--
	12/9/2011	--	--	--	--	--	--	--	--	--	--
	6/1/2012	--	--	--	--	--	--	--	--	--	--
	6/6/2013	--	--	--	--	--	--	--	--	--	--
	12/13/2013	--	--	--	--	--	--	--	--	--	--
	6/23/2014	--	--	--	--	--	--	--	--	--	--
	12/17/2014	--	--	--	--	--	--	--	--	--	--
	6/9/2015	--	--	--	--	--	--	--	--	--	--
	12/30/2015	--	--	--	--	--	--	--	--	--	--
	6/22/2016	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-10	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	--	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	5/22/2000	--	--	--	--	--	--	--	--	--	--
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	ND<2.0	--	ND<500	ND<1.0	--	--	--	--	--
	5/24/2004	--	0.75	ND<5.0	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	11/29/2004	--	0.72	6.1	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/24/2005	--	ND<0.50	--	ND<1,000	--	--	--	--	--	--
	12/15/2005	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/14/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/21/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2007	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	ND<0.50	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	ND<0.50	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	ND<0.50	--	--	--	--	--	--	--	--
	12/9/2011	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	1.1	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	0.92	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	0.92	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-11	2/6/1992	--	--	--	--	--	--	--	--	--	--
	5/23/1992	--	--	--	--	--	--	--	--	--	--
	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	--	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	ND	--	--	--	--	--	--	--	--	--
	11/15/1999	ND	--	--	--	--	--	--	--	--	--
	5/22/2000	ND	--	--	--	--	--	--	--	--	--
	11/22/2000	ND	--	--	--	--	--	--	--	--	--
	5/15/2001	ND	--	--	--	--	--	--	--	--	--
	11/23/2001	ND<5.0	--	--	--	--	--	--	--	--	--
	5/24/2002	ND<5.0	--	--	--	--	--	--	--	--	--
	11/29/2002	--	ND<2.0	--	--	--	--	--	--	--	--
	5/15/2003	--	ND<2.0	--	--	--	--	--	--	--	--
	11/4/2003	--	ND<2.0	--	ND<500	--	--	--	--	--	--
	5/24/2004	--	ND<0.50	--	ND<50	--	--	--	--	--	--
	11/29/2004	--	ND<0.50	--	ND<50	--	--	--	--	--	--
	6/24/2005	--	ND<0.50	--	ND<1,000	--	--	--	--	--	--
	12/15/2005	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/14/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/21/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2007	--	--	--	--	--	--	--	--	--	--
	12/13/2007	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	--	--	--	--	--	--	--	--	--
	6/28/2010	--	ND<0.50	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	ND<0.50	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	ND<0.50	--	--	--	--	--	--	--	--
	12/9/2011	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	--	--	--	--	--	--	--	--	--
	12/17/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
MW-12	8/26/1992	--	--	--	--	--	--	--	--	--	--
	11/20/1992	--	--	--	--	--	--	--	--	--	--
	12/21/1992	--	--	--	--	--	--	--	--	--	--
	1/30/1993	--	--	--	--	--	--	--	--	--	--
	2/24/1993	--	--	--	--	--	--	--	--	--	--
	3/22/1993	--	--	--	--	--	--	--	--	--	--
	4/28/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/22/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	ND	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	10/11/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	5/3/1995	--	--	--	--	--	--	--	--	--	--
	8/3/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	5/6/1996	--	--	--	--	--	--	--	--	--	--
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	5/15/1997	--	--	--	--	--	--	--	--	--	--
	11/12/1997	--	--	--	--	--	--	--	--	--	--
	5/4/1998	--	--	--	--	ND<2.0	--	--	--	--	--
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	5/20/1999	--	--	--	--	--	--	--	--	--	--
	11/15/1999	--	--	--	--	--	--	--	--	--	--
	5/22/2000	--	--	--	--	--	--	--	--	--	--
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	5/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	4.4	ND<100	ND<500	ND<1.0	ND<2.0	ND<2.0	--	--	--
	5/24/2004	--	1.7	ND<5.0	ND<50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	11/29/2004	--	0.71	ND<5.0	ND<50	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/24/2005	--	ND<0.50	--	ND<1,000	--	--	--	--	--	--
	12/15/2005	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/14/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/21/2006	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/28/2007	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	6/9/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	12/30/2008	--	ND<0.50	--	ND<250	--	--	--	--	--	--
	9/28/2009	--	0.55	--	ND<250	--	--	--	--	--	--
	12/15/2009	--	0.56	--	ND<250	--	--	--	--	--	--
	6/28/2010	--	0.97	--	ND<250	ND<0.50	--	--	ND<0.50	ND<0.010	ND<0.50
	12/29/2010	--	0.95	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	2.0	--	--	--	--	--	--	--	--
	12/9/2011	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/1/2012	--	1.2	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	0.55	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	0.55	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**1.1**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
RW-1	2/24/1993	--	--	--	--	--	--	--	--	--	--
	5/12/1993	--	--	--	--	--	--	--	--	--	--
	5/25/1993	--	--	--	--	--	--	--	--	--	--
	6/7/1993	--	--	--	--	--	--	--	--	--	--
	6/23/1993	--	--	--	--	--	--	--	--	--	--
	7/8/1993	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	8/11/1993	--	--	--	--	--	--	--	--	--	--
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/8/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	11/12/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	5/31/1994	--	--	--	--	--	--	--	--	--	--
	8/31/1994	--	--	--	--	--	--	--	--	--	--
	11/10/1994	--	--	--	--	--	--	--	--	--	--
	2/7/1995	--	--	--	--	--	--	--	--	--	--
	3/14/1995	--	--	--	--	--	--	--	--	--	--
	11/7/1995	--	--	--	--	--	--	--	--	--	--
	10/15/2001	--	--	--	--	--	--	--	--	--	--
	11/23/2001	--	--	--	--	--	--	--	--	--	--
	12/10/2001	--	--	--	--	--	--	--	--	--	--
	1/14/2002	--	--	--	--	--	--	--	--	--	--
	2/22/2002	--	--	--	--	--	--	--	--	--	--
	3/11/2002	--	--	--	--	--	--	--	--	--	--
	4/15/2002	--	--	--	--	--	--	--	--	--	--
	5/24/2002	--	--	--	--	--	--	--	--	--	--
	6/17/2002	--	--	--	--	--	--	--	--	--	--
	7/15/2002	--	--	--	--	--	--	--	--	--	--
	8/19/2002	--	--	--	--	--	--	--	--	--	--
	9/5/2002	--	--	--	--	--	--	--	--	--	--
	10/7/2002	--	--	--	--	--	--	--	--	--	--
	11/29/2002	--	--	--	--	--	--	--	--	--	--
	12/12/2002	--	--	--	--	--	--	--	--	--	--
	1/6/2003	--	--	--	--	--	--	--	--	--	--
	2/12/2003	--	--	--	--	--	--	--	--	--	--
	3/13/2003	--	--	--	--	--	--	--	--	--	--
	4/7/2003	--	--	--	--	--	--	--	--	--	--
	5/15/2003	--	--	--	--	--	--	--	--	--	--
	6/12/2003	--	--	--	--	--	--	--	--	--	--
	7/7/2003	--	--	--	--	--	--	--	--	--	--
	8/14/2003	--	--	--	--	--	--	--	--	--	--
	9/12/2003	--	--	--	--	--	--	--	--	--	--
	11/4/2003	--	210	ND<2,000	ND<10,000	ND<10	ND<40	ND<40	--	--	--
	5/24/2004	--	200	ND<50	ND<500	ND<2.0	ND<5.0	ND<5.0	ND<5.0	--	ND<5.0
	11/29/2004	--	140	38	ND<100	--	ND<1.0	1.3	ND<1.0	--	ND<1.0
	6/24/2005	--	56	--	ND<1,000	ND<0.50	--	--	--	--	--
	12/15/2005	--	44	ND<10	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/14/2006	--	21	--	ND<250	ND<0.50	--	--	--	--	--
	12/21/2006	--	27	34	ND<250	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/28/2007	--	65	--	ND<250	--	--	--	--	--	--
	12/13/2007	--	30	--	ND<500	--	--	--	--	--	--
	6/9/2008	--	39	--	ND<1,200	--	--	--	--	--	--
	12/30/2008	--	22	--	ND<1,200	--	--	--	--	--	--
	9/28/2009	--	21	--	ND<1,200	--	--	--	--	--	--
	12/15/2009	--	ND<2.5	--	ND<1,200	--	--	--	--	--	--
	6/28/2010	--	5.6	--	ND<250	ND<0.50	--	--	ND<0.50	--	ND<0.50
	12/29/2010	--	1.6	ND<10	ND<250		ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	6/7/2011	--	ND<0.50	--	--	--	--	--	--	--	--
	10/21/2011	--	--	--	--	--	--	--	--	--	--
	12/9/2011	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	1/12/2012	--	--	--	--	--	--	--	--	--	--
	6/1/2012	--	ND<2.5	--	ND<1,200	--	--	--	ND<2.5	--	ND<2.5

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	6/6/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/13/2013	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/23/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/17/2014	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/9/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**
QA	12/30/2015	--	ND<0.50	--	ND<250	--	--	--	ND<0.50	--	ND<0.50
	6/22/2016	**--**	**ND<0.50**	**ND<10**	**ND<250**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**--**	**ND<0.50**

NOTES:

µg/L = Micrograms per liter
-- = Not available/not sampled
504 = Analyzed by Environmental Protection Agency (EPA) Method 504
8021 = Analyzed by EPA Method 8021B
8260B = Analyzed by EPA Method 8260B
DIPE = Diisopropyl ether
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
ID = Identification
J = Laboratory estimated value
MTBE = Methyl t-Butyl Ether
ND = Not detected
ND<# = Analyte not detected at or above indicated laboratory practical quantitation limit
QA = Quality assurance/trip blank
TAME = t-Amyl Methyl ether
TBA = t-Butyl alcohol

Table 6
LNAPL Recovery Data
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

DATE	MW-5	RW-1
11/11/1998	0	0
2/22/1999	0.04	0
4/2/1999	0.07	0
5/4/1999	0	0
5/20/1999	0	0
6/29/1999	0	0
0729/99	0	0
8/24/1999	0	0
9/27/1999	0	0
10/28/1999	0	0
11/15/1999	0	0
12/20/1999	0	0
1/20/2000	0	0
2/26/2000	0	0
3/31/2000	0	0
4/13/2000	0	0
5/22/2000	0	0
11/22/2000	0.02	0
2/14/2001	0.06	0
3/28/2001	0	0
4/28/2001	0	0
5/15/2001	0	0
6/29/2001	0	0
7/17/2001	0	0
8/30/2001	0	0
9/24/2001	0	0
10/15/2001	0.03	0
11/23/2001	0	0
12/10/2001	0	0
1/14/2002	0	0
2/22/2002	0	0
3/11/2002	0	0
4/15/2002	0	0
5/24/2002	0.04	0
6/17/2002	0.04	0
7/15/2002	0.02	0
8/19/2002	0.05	0
9/5/2002	0.03	0
10/7/2002	0.02	0
11/29/2002	0.02	0
12/12/2002	0.01	0
1/6/2003	0.01	0
2/12/2003	0.02	0
3/13/2003	0.02	0
4/7/2003	0.01	0
5/15/2003	0.03	0
6/12/2003	0.02	0
7/7/2003	0.01	0
8/14/2003	0.02	0
9/12/2003	0.02	0
10/15/2003	0.087	0
11/4/2003	0.043	0
11/21/2003	0.032	0
12/18/2003	0.024	0
1/7/2004	0.009	0

Table 6
LNAPL Recovery Data
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

DATE	MW-5	RW-1
2/9/2004	0.01	0.01
3/24/2004	0.031	0
4/16/2004	0	0
5/24/2004	0.050	0
6/8/2004	0.049	0
7/2/2004	0.046	0
8/20/2004	0.080	0
9/17/2004	0.048	0
10/22/2004	0.024	0
11/29/2004	0.036	0
12/21/2004	0.010	0
1/24/2005	0.027	0
2/18/2005	0.020	0
3/18/2005	0.024	0
4/14/2005	0.010	0
5/17/2005	0.010	0
6/24/2005	0	0
7/14/2005	0.020	0
8/5/2005	0.050	0
9/16/2005	0.009	0
10/21/2005	0	0
11/22/2005	0	0
12/15/2005	0	0
1/19/2006	0	0
2/15/2006	0	0
3/25/2006	0	0
4/27/2006	0	0
5/25/2006	0	0
6/14/2006	0	0
7/3/2006	0	0
8/10/2006	0	0
9/15/2006	0.027	0
10/27/2006	0.009	0
11/22/2006	0.017	0
12/21/2006	0	0
2/5/2007	0.010	0
2/20/2007	0	0
3/28/2007	0	0
4/30/2007	0	0
5/23/2007	0.073	0
6/28/2007	0.049	0
8/1/2007	0	0
8/27/2007	0	0
9/12/2007	0.040	0
10/16/2007	0	0
12/13/2007	0.029	0
1/29/2008	0.010	0
2/28/2008	0.020	0
3/21/2008	0	0
4/11/2008	0.058	0
5/21/2008	0.044	0
6/9/2008	0.029	0
7/18/2008	0.032	0
8/15/2008	0.024	0
9/24/2008	0.051	0

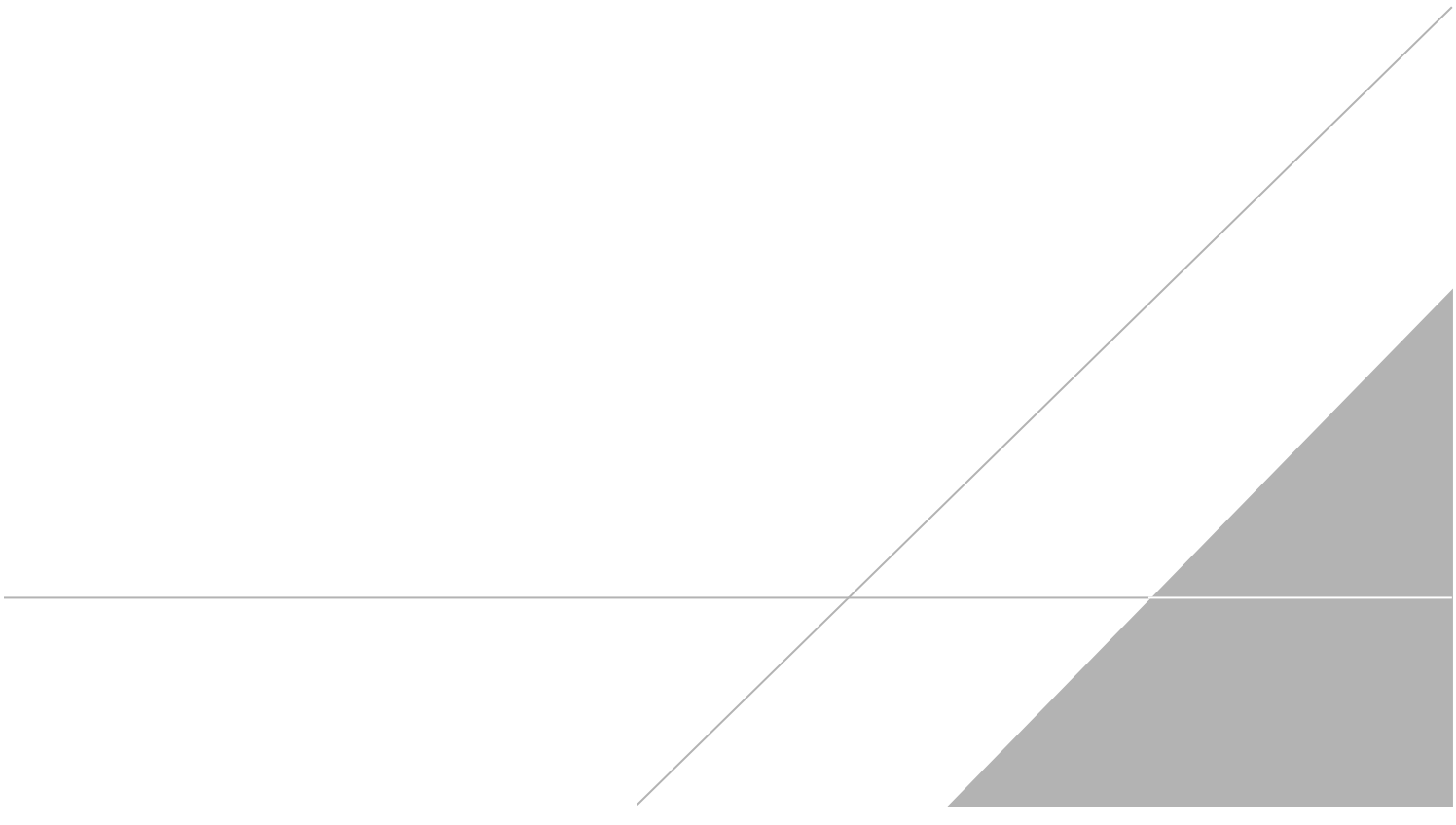
Table 6
LNAPL Recovery Data
76 Station No. 0746 (351647)
3943 Broadway
Oakland, California

DATE	MW-5	RW-1
10/22/2008	0.044	0
11/26/2008	0.034	0
12/30/2008	0.022	0
1/23/2009	NA	0
3/27/2009	0	0
4/28/2009	0.102	0
5/28/2009	NA	NA
7/31/2009	0.034	0
8/21/2009	0.102	0
9/28/2009	0.017	0
10/26/2009	0.063	0
11/30/2009	0.075	0
12/15/2009	0.010	0
1/25/2010	0.003	0
2/26/2010	0	0
3/23/2010	0.01	0
4/22/2010	0.009	0
5/21/2010	0.117	0
6/28/2010	0.085	0
7/21/2010	0.04	0
8/18/2010	0.07	0
9/29/2010	0.03	0
10/18/2010	0.046	0
11/30/2010	0.058	0
12/29/2010	0.25	0
1/6/2011	0.138	0
1/20/2011	0.231	0
2/1/2011	0.23	0
2/14/2011	0	0
3/3/2011	0	0
3/22/2011	0	0
4/25/2011	0	0
5/27/2011	0	0
9/13/2011	0	0
10/20/2011	0	0
11/4/2011	0	0
12/23/2011	0.21	0
9/2/2015	0	NA
10/16/2015	0	0
11/12/2015	0	0
12/30/2015	0	0
1/22/2016	0	NM
2/24/2016	0	NM
3/14/2016	0	0.05
4/21/2016	0	0
5/20/2016	0.21	0.31
6/22/2016	**0.14**	**0.33**
Total LNAPL Removed (gallons):	**4.26**	**0.70**

NOTES:
LNAPL = Light non-aqueous phase liquid
NA = Not applicable
NM = Not measured

ATTACHMENT C

[Laboratory Report and Chain-of-Custody Documentation]



Date of Report: 09/26/2017

Tamera Rogers

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Client Project:	351647
BCL Project:	0746
BCL Work Order:	1726391
Invoice ID:	B280384

Enclosed are the results of analyses for samples received by the laboratory on 9/18/2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Stuart Buttram
Technical Director

Table of Contents

17-26391

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583

COC 1 of 1

Union Oil Site ID: 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: (415) 825-0759
Site Address: 3943 BROADWAY OAKLAND, CA	Consultant Phone No.: CARL EDWARDS
Union Oil PM: JAMES P. KERNAN	Sampling Company: GETTLER RYAN INC
Union Oil PM Phone No.: (925) 842 3220	Sampled By (PRINT): GILBERT MEDINA
Charge Code: NWRTB- 0 351647 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

Turnaround Time (TAT): Standard ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by (C6-C12) (8015B)	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EDB/EDC (8260)	EPA 8260B Full List with OXYS							Notes / Comments
Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers													
QA	W-S-A	- 1	170915	—	2		X	X										"RUN 8 OXYS BY
MW-1	W-S-A	- 2		1845	6				X									8260 ON
2	W-S-A	- 3		1655														MTBE HITS"
3	W-S-A	- 4		2130														
4	W-S-A	- 5		2035														
5	W-S-A	- 6		2200														
6	W-S-A	- 7		1750														
7	W-S-A	- 8		1940														
10	W-S-A	- 9		1505														
11	W-S-A	- 10		1600														
12	W-S-A	- 11		1415														
RW-1	W-S-A	- 12		2225														

CHK BY JW DISTRIBUTION SUB-OUT

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	GR INC	9/18/17 0800		GR INC.	09-18-17 1145	Gary Bogen	BC/AL	9-18-17 1830
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
GETTLER-RYAN FRIDGE		09-18-17 0700	Gary Bogen	BC/AL	9-18-17 1145		BCLAB	9/18/17 18:30

REL. 9/18/17 2220 Gary Bogen 9/18/17 2220

Chain of Custody and Cooler Receipt Form for 1726391 Page 2 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 2

Submission #: 17-26391

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 9/18 2220

Temperature: (A) 2.8 °C / (C) 3.2 °C Analyst Init GS

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL 0916	AMS	A>F	A>F	A>F	A>F	A>F	A>F	A>F	A>F	A>F
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JM Date/Time: 9.19.17 MM

A = Actual / C = Corrected

Rev 21 05/23/2016

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Chain of Custody and Cooler Receipt Form for 1726391 Page 3 of 3

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 2 Of 2

Submission #: 17-26391

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐	Ice Chest ☒ None ☐ Box ☐	YES ☐ NO ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: PE Thermometer ID: 208 Date/Time 9/18 2220

Temperature: (A) 2.8 °C / (C) 3.2 °C Analyst Init GS

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL 0916	A->F	A->F								
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: JM Date/Time: 9.19.17 0929

A = Actual / C = Corrected

Rev 21 05/23/2016

[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1726391-01	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-02	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 18:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-03	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 16:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1726391-04	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 21:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-3			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-05	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 20:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-4			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-06	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 22:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-5			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1726391-07	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 17:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-6			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-08	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 19:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-7			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-09	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 15:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-10-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-10			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1726391-10	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 16:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-11-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-11			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-11	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 14:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-12-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-12			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1726391-12	**COC Number:**	---	**Receive Date:**	09/18/2017 22:20
	Project Number:	0746	**Sampling Date:**	09/15/2017 22:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	RW-1-W-170915	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): RW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-01 | **Client Sample Name:** 0746, QA-W-170915, 9/15/2017 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	122	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	66.7	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 15:55	JPT	MS-V13	1	B[I1814

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-01 | **Client Sample Name:** 0746, QA-W-170915, 9/15/2017 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	135	%	70 - 130 (LCL - UCL)		EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 14:34	TDH	GC-V9	1	B[I1991

Arcadis- San Jose
6296 San Ignacio Ave, Suite C&D
San Jose, CA 95119

Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-02 | **Client Sample Name:** 0746, MW-1-W-170915, 9/15/2017 6:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	121	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	64.0	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 16:20	JPT	MS-V13	1	B[I1814

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Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-02 | **Client Sample Name:** 0746, MW-1-W-170915, 9/15/2017 6:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	111	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 14:54	TDH	GC-V9	1	B[I1991

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Project: 0746
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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-03 | **Client Sample Name:** 0746, MW-2-W-170915, 9/15/2017 4:55:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**0.59**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	123	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	65.8	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 16:44	JPT	MS-V13	1	B[I1814

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Project Manager: Tamera Rogers

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-03 | **Client Sample Name:** 0746, MW-2-W-170915, 9/15/2017 4:55:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	141	%	70 - 130 (LCL - UCL)		EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 16:36	TDH	GC-V9	1	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-04 | **Client Sample Name:** 0746, MW-3-W-170915, 9/15/2017 9:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**1.3**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**5.8**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**12**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	108	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	112	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 19:10	JPT	MS-V13	1	B[I1814

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-04 | **Client Sample Name:** 0746, MW-3-W-170915, 9/15/2017 9:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**4800**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	130	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/25/17 16:26	TDH	GC-V9	10	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-05 | **Client Sample Name:** 0746, MW-4-W-170915, 9/15/2017 8:35:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**2.5**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.9	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 19:35	JPT	MS-V13	1	B[I1814

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-05 | **Client Sample Name:** 0746, MW-4-W-170915, 9/15/2017 8:35:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**4200**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	156	%	70 - 130 (LCL - UCL)		EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/25/17 16:46	TDH	GC-V9	10	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-06 | **Client Sample Name:** 0746, MW-5-W-170915, 9/15/2017 10:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**120**	**ug/L**	**2.5**		**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		2
Ethylbenzene	**49**	**ug/L**	**0.50**		**EPA-8260B**	ND		2
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		2
Toluene	ND	ug/L	0.50		EPA-8260B	ND		2
Total Xylenes	**23**	**ug/L**	**1.0**		**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250		EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	92.3	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	88.2	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	107	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	107	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/25/17 09:44	JPT	MS-V13	5	B[I1815
2	EPA-8260B	09/21/17	09/22/17 19:59	JPT	MS-V13	1	B[I1815

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-06 | **Client Sample Name:** 0746, MW-5-W-170915, 9/15/2017 10:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**7100**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	123	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/25/17 18:27	TDH	GC-V9	10	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-07 | **Client Sample Name:** 0746, MW-6-W-170915, 9/15/2017 5:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	124	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	62.5	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 17:08	JPT	MS-V13	1	B[I1815

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-07 | **Client Sample Name:** 0746, MW-6-W-170915, 9/15/2017 5:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	114	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/25/17 18:48	TDH	GC-V9	1	B[I1991

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Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-08 | **Client Sample Name:** 0746, MW-7-W-170915, 9/15/2017 7:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	127	%	75 - 125 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	96.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	64.7	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 17:33	JPT	MS-V13	1	B[I1815

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-08 | **Client Sample Name:** 0746, MW-7-W-170915, 9/15/2017 7:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	117	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 18:17	TDH	GC-V9	1	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-09 | **Client Sample Name:** 0746, MW-10-W-170915, 9/15/2017 3:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	133	%	75 - 125 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	95.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	64.5	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 17:57	JPT	MS-V13	1	B[I1815

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-09 | **Client Sample Name:** 0746, MW-10-W-170915, 9/15/2017 3:05:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	111	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 18:38	TDH	GC-V9	1	B[I1991

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Reported: 09/26/2017 13:41
Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-10 | **Client Sample Name:** 0746, MW-11-W-170915, 9/15/2017 4:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	124	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	64.4	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 18:21	JPT	MS-V13	1	B[I1815

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-10 | **Client Sample Name:** 0746, MW-11-W-170915, 9/15/2017 4:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	113	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 18:58	TDH	GC-V9	1	B[I1991

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Project: 0746
Project Number: 351647
Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-11 | **Client Sample Name:** 0746, MW-12-W-170915, 9/15/2017 2:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	127	%	75 - 125 (LCL - UCL)		EPA-8260B		S09	1
Toluene-d8 (Surrogate)	98.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	64.8	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/22/17 18:46	JPT	MS-V13	1	B[I1815

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Project Manager: Tamera Rogers

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-11 | **Client Sample Name:** 0746, MW-12-W-170915, 9/15/2017 2:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	112	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 19:18	TDH	GC-V9	1	B[I1991

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Project Manager: Tamera Rogers

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1726391-12 | **Client Sample Name:** 0746, RW-1-W-170915, 9/15/2017 10:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	92.7	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	83.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/21/17	09/23/17 01:57	JPT	MS-V13	1	B[I1815

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Project Manager: Tamera Rogers

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1726391-12 | **Client Sample Name:** 0746, RW-1-W-170915, 9/15/2017 10:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**600**	**ug/L**	**50**		**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	177	%	70 - 130 (LCL - UCL)		EPA-8015B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	09/22/17	09/22/17 19:39	TDH	GC-V9	1	B[I1991

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B[I1814						
Benzene	B[I1814-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	B[I1814-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	B[I1814-BLK1	ND	ug/L	0.50		
Ethylbenzene	B[I1814-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	B[I1814-BLK1	ND	ug/L	0.50		
Toluene	B[I1814-BLK1	ND	ug/L	0.50		
Total Xylenes	B[I1814-BLK1	ND	ug/L	1.0		
Ethanol	B[I1814-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**B[I1814-BLK1**	**125**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B[I1814-BLK1**	**96.1**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B[I1814-BLK1**	**86.7**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: B[I1815						
Benzene	B[I1815-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	B[I1815-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	B[I1815-BLK1	ND	ug/L	0.50		
Ethylbenzene	B[I1815-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	B[I1815-BLK1	ND	ug/L	0.50		
Toluene	B[I1815-BLK1	ND	ug/L	0.50		
Total Xylenes	B[I1815-BLK1	ND	ug/L	1.0		
Ethanol	B[I1815-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**B[I1815-BLK1**	**118**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B[I1815-BLK1**	**94.5**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B[I1815-BLK1**	**87.5**	%	**80 - 120 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B[I1814										
Benzene	B[I1814-BS1	LCS	22.840	25.000	ug/L	91.4		70 - 130		
Toluene	B[I1814-BS1	LCS	23.580	25.000	ug/L	94.3		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B[I1814-BS1	LCS	9.6900	10.000	ug/L	96.9		75 - 125		
Toluene-d8 (Surrogate)	B[I1814-BS1	LCS	10.400	10.000	ug/L	104		80 - 120		
4-Bromofluorobenzene (Surrogate)	B[I1814-BS1	LCS	10.550	10.000	ug/L	106		80 - 120		
QC Batch ID: B[I1815										
Benzene	B[I1815-BS1	LCS	23.280	25.000	ug/L	93.1		70 - 130		
Toluene	B[I1815-BS1	LCS	23.680	25.000	ug/L	94.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B[I1815-BS1	LCS	10.140	10.000	ug/L	101		75 - 125		
Toluene-d8 (Surrogate)	B[I1815-BS1	LCS	10.040	10.000	ug/L	100		80 - 120		
4-Bromofluorobenzene (Surrogate)	B[I1815-BS1	LCS	10.540	10.000	ug/L	105		80 - 120		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B[I1814	Used client sample: N										
Benzene	MS	1724840-48	ND	21.710	25.000	ug/L		86.8		70 - 130	
	MSD	1724840-48	ND	23.110	25.000	ug/L	6.2	92.4	20	70 - 130	
Toluene	MS	1724840-48	ND	22.530	25.000	ug/L		90.1		70 - 130	
	MSD	1724840-48	ND	24.060	25.000	ug/L	6.6	96.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1724840-48	ND	9.4100	10.000	ug/L		94.1		75 - 125	
	MSD	1724840-48	ND	9.6700	10.000	ug/L	2.7	96.7		75 - 125	
Toluene-d8 (Surrogate)	MS	1724840-48	ND	10.050	10.000	ug/L		100		80 - 120	
	MSD	1724840-48	ND	10.500	10.000	ug/L	4.4	105		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1724840-48	ND	10.460	10.000	ug/L		105		80 - 120	
	MSD	1724840-48	ND	10.550	10.000	ug/L	0.9	106		80 - 120	
QC Batch ID: B[I1815	Used client sample: N										
Benzene	MS	1724840-49	ND	23.150	25.000	ug/L		92.6		70 - 130	
	MSD	1724840-49	ND	22.860	25.000	ug/L	1.3	91.4	20	70 - 130	
Toluene	MS	1724840-49	ND	24.280	25.000	ug/L		97.1		70 - 130	
	MSD	1724840-49	ND	23.000	25.000	ug/L	5.4	92.0	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1724840-49	ND	9.8000	10.000	ug/L		98.0		75 - 125	
	MSD	1724840-49	ND	9.3400	10.000	ug/L	4.8	93.4		75 - 125	
Toluene-d8 (Surrogate)	MS	1724840-49	ND	10.260	10.000	ug/L		103		80 - 120	
	MSD	1724840-49	ND	10.050	10.000	ug/L	2.1	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1724840-49	ND	10.530	10.000	ug/L		105		80 - 120	
	MSD	1724840-49	ND	9.9900	10.000	ug/L	5.3	99.9		80 - 120	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B[I1991						
Gasoline Range Organics (C6 - C12)	B[I1991-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**B[I1991-BLK1**	**104**	%	**70 - 130 (LCL - UCL)**		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B[I1991										
Gasoline Range Organics (C6 - C12)	B[I1991-BS1	LCS	867.47	1000.0	ug/L	86.7		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	B[I1991-BS1	LCS	42.123	40.000	ug/L	105		70 - 130		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B[I1991	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1724840-25	ND	869.07	1000.0	ug/L		86.9		70 - 130	
	MSD	1724840-25	ND	861.63	1000.0	ug/L	0.9	86.2	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1724840-25	ND	39.686	40.000	ug/L		99.2		70 - 130	
	MSD	1724840-25	ND	41.809	40.000	ug/L	5.2	105		70 - 130	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

ATTACHMENT D

[ACDEH Correspondence]

Edwards, Carl

From: Nowell, Keith, Env. Health <Keith.Nowell@acgov.org>
Sent: Wednesday, October 4, 2017 11:23 AM
To: Edwards, Carl
Cc: Khatri, Paresh, Env. Health
Subject: RE: CASE #RO0000203 - Offsite Access Status and Extension Request

Carl,

Six months seems excessive. When do you anticipate hearing from the lawyer re site access? Perhaps the submittal date can be refined following the contact.

Regards,
Keith Nowell

From: Edwards, Carl [mailto:Carl.Edwards@arcadis.com]
Sent: Monday, October 02, 2017 4:28 PM
To: Nowell, Keith, Env. Health <Keith.Nowell@acgov.org>
Subject: RE: CASE #RO0000203 - Offsite Access Status and Extension Request

Hi Keith,
I am just following up on this extension request. I hope to hear from their lawyer soon regarding if we can move forward with a draft site access agreement.

Thanks,
Carl

From: Edwards, Carl
Sent: Monday, September 11, 2017 10:15 AM
To: 'keith.nowell@acgov.org' <keith.nowell@acgov.org>
Cc: 'Kiernan, James' <JKiernan@chevron.com>; Rogers, Tamera <Tamera.Rogers@arcadis.com>
Subject: CASE #RO0000203 - Offsite Access Status and Extension Request

Hi Keith,
The most recent communications from the lawyer representing the property owners of 3915 Broadway indicate that access cannot be pursued until early October, as he is on paternity leave until then. This would put completion of the offsite work associated with the Soil Vapor Investigation Work Plan past the current deadline of September 29, 2017. Based on the progress of offsite access and to avoid repetitive extension requests, I would like to request a 6-month extension to complete the offsite work and extend the deadline to March 31, 2018.

We will complete access negotiations and the offsite investigation work as soon as possible and hope to move forward with negotiations in early October and will update you accordingly. Direct negotiations with the property owners present a significant language barrier . Therefore, working with their lawyer remains crucial for access.

Thanks,
Carl

Carl Edwards | Environmental Scientist | Carl.Edwards@arcadis-us.com

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Report Title:	**2H2017 SASR - EDF 1726391**
Report Type:	**Monitoring Report - Semi-Annually**
Facility Global ID:	**T0600101471**
Facility Name:	**UNOCAL #0746**
File Name:	**EDD_BCLabs_1726391_EDF.zip**
Organization Name:	**ARCADIS**
Username:	**ARCADIS76**
IP Address:	**8.39.233.201**
Submittal Date/Time:	**9/29/2017 2:23:34 PM**
Confirmation Number:	**2932489216**

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File Name:	**GEO_WELL.zip**
Organization Name:	**ARCADIS**
Username:	**ARCADIS76**
IP Address:	**8.39.233.73**
Submittal Date/Time:	**10/19/2017 2:13:25 PM**
Confirmation Number:	**4638038337**

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Report Type:	**Monitoring Report - Semi-Annually**
Report Date:	**10/27/2017**
Facility Global ID:	**T0600101471**
Facility Name:	**UNOCAL #0746**
File Name:	**351647 3Q17 GWMR_FNL_102717.pdf**
Organization Name:	**ARCADIS**
Username:	**ARCADIS76**
IP Address:	**8.39.233.24**
Submittal Date/Time:	**10/27/2017 11:36:41 AM**
Confirmation Number:	**3540582478**