James P. Kiernan, P.E.
Project Manager

Chevron Environmental Management Company
6001 Bollinger Canyon Road
Room C2102
San Ramon, CA 94583
Tel (925) 842-3220
jkiernan@chevron.com

April 28, 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-First Half 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-First Half 2017* by Arcadis

ARCADIS Design & Consultancy for natural and built assets

Arcadis U.S., Inc.
2999 Oak Road
Suite 300
Walnut Creek
CA 94597
Tel 408-797-2013
Fax 925-274-1103
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, First Half 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 – First Half 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.

Tamera Rogers
Project Manager

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

Date:
April 28, 2017

Contact:
Tamera Rogers

Phone:
408.797.2013

Email:
tamera.rogers@arcadis.com

Our ref:
B0035135.1647

ARCADIS Design & Consultancy for natural and built assets

SEMI-ANNUAL STATUS REPORT
First Half 2017
April 28, 2017

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

Arcadis Contact Person / Phone No.:	Tamera Rogers / (408) 797-2013
Arcadis Project No.:	B0035135.1647
Primary Agency/Regulatory ID No.:	Alameda County LOP Case # RO0000203: Keith Nowell / San Francisco Bay RWQCB (Region 2) – Case # 01-1596

WORK CONDUCTED THIS PERIOD [First Half 2017]:

1. Conducted semi-annual groundwater monitoring activities on March 24-25, 2017.
2. Completed monthly absorbent sock inspection and changeouts.
3. Prepared the *Semi-Annual Status Report, First Half 2017*.
4. Submitted *Soil Vapor Investigation Work Plan* dated January 13, 2017.
5. Submitted *Well Search Results* dated January 24, 2017.

WORK CONDUCTED/PROPOSED NEXT PERIOD [Second Half 2017]:

1. Conduct semi-annual groundwater monitoring activities.
2. Conduct monthly absorbent sock inspection and changeouts.
3. Prepare the *Semi-Annual Status Report, Second Half 2017*.
4. Implement *Soil Vapor Investigation Work Plan* per letters dated February 16 and April 4, 2017.

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:	5.44 to 11.77	(feet below top of casing)
Approximate Groundwater Elevation:	66.41 to 75.19	(feet above mean sea level)

Groundwater Flow Direction	Southwest	
Groundwater Gradient	0.01	(foot 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 *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 March 24-25, 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 January 20, February 16, and March 24, 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 January, February and March 2017. GR photos displayed brown to black color staining ranging from along the length of the socks up to 38 inches in MW-5 and 30 inches in RW-1. However, 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 calculatable 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 March 24-25, 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 generally consistent with previous monitoring events. The detected concentrations were within the historical ranges in the wells. However, the current TPH-g and benzene concentrations in MW-5 were the

lowest since 1997. Residual TPHg, benzene and MTBE are primarily limited to two to three on-site monitoring wells and the extent is adequately delineated by the current monitoring well network.

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 the plumes downgradient on the adjacent property will also continue. We understand ACDEH is preparing a letter to the property owner, but we have not seen one to date. Arcadis plans to move forward with the *Soil Vapor Investigation Work Plan* and *Soil Investigation Work Plan Addendum* as approved by ACDEH. If offsite access cannot be obtained in the near future, Arcaids plans to complete the proposed work in two separate mobilizations. If access issues persist, an extension request may be submitted to ACDEH.

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.

Melissa Blanchette

Date: April 28, 2017

Melissa Blanchette, P.G. #
Senior Geologist

Date: April 28, 2017

Tamera Rogers, GIT
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, March 24-25, 2017
Figure 4	TPH-g Isoconcentration Map, March 24-25, 2017
Figure 5	Benzene Isoconcentration Map, March 24-25, 2017
Figure 6	MTBE Isoconcentration Map, March 24-25, 2017
Attachment A	Field Data Sheets and General Procedures
Attachment B	Historical Groundwater Analytical Data
Attachment C	Laboratory Report and Chain-of-Custody Documentation

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	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-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-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-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-5	1/20/2017	5-20	81.48	6.67	0.00	74.81	--	--	--	--	--	--	--	--	--	monthly sock assessment
MW-5	2/16/2017	5-20	81.48	7.13	0.00	74.35	--	--	--	--	--	--	--	--	--	monthly sock assessment
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	monthly sock assessment
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-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-8	3/24/2017	5-22	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-9	3/24/2017	5-22	80.53	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
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-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-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	
RW-1	1/20/2017	5-17.5	79.61	5.95	0.00	73.66	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	2/16/2017	5-17.5	79.61	5.98	0.00	73.63	--	--	--	--	--	--	--	--	--	monthly sock assessment
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	monthly sock assessment

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: DP 4/6/2017

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-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-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-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-5	7/13/2016	5-20	81.38	9.66	0.00	71.72	--	--	--	--	--	--	--	--	--	monthly sock assessment
MW-5	8/24/2016	5-20	81.38	9.94	0.00	71.44	--	--	--	--	--	--	--	--	--	monthly sock assessment
MW-5	9/16/2016	5-20	81.38	9.34	0.00	72.04	--	--	--	--	--	--	--	--	--	monthly sock assessment
MW-5	10/4/2016	5-20	81.38	10.08	0.00	71.30	--	--	--	--	--	--	--	--	--	monthly sock assessment
MW-5	11/16/2016	5-20	81.38	9.43	0.00	71.95	--	--	--	--	--	--	--	--	--	monthly sock assessment
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	monthly sock assessment
MW-5	1/20/2017	5-20	81.48	6.67	0.00	74.81	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	monthly sock assessment
MW-5	2/16/2017	5-20	81.48	7.13	0.00	74.35	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	monthly sock assessment
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	monthly sock assessment
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-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-8	12/22/2016	5-22	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
MW-8	3/24/2017	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-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-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	

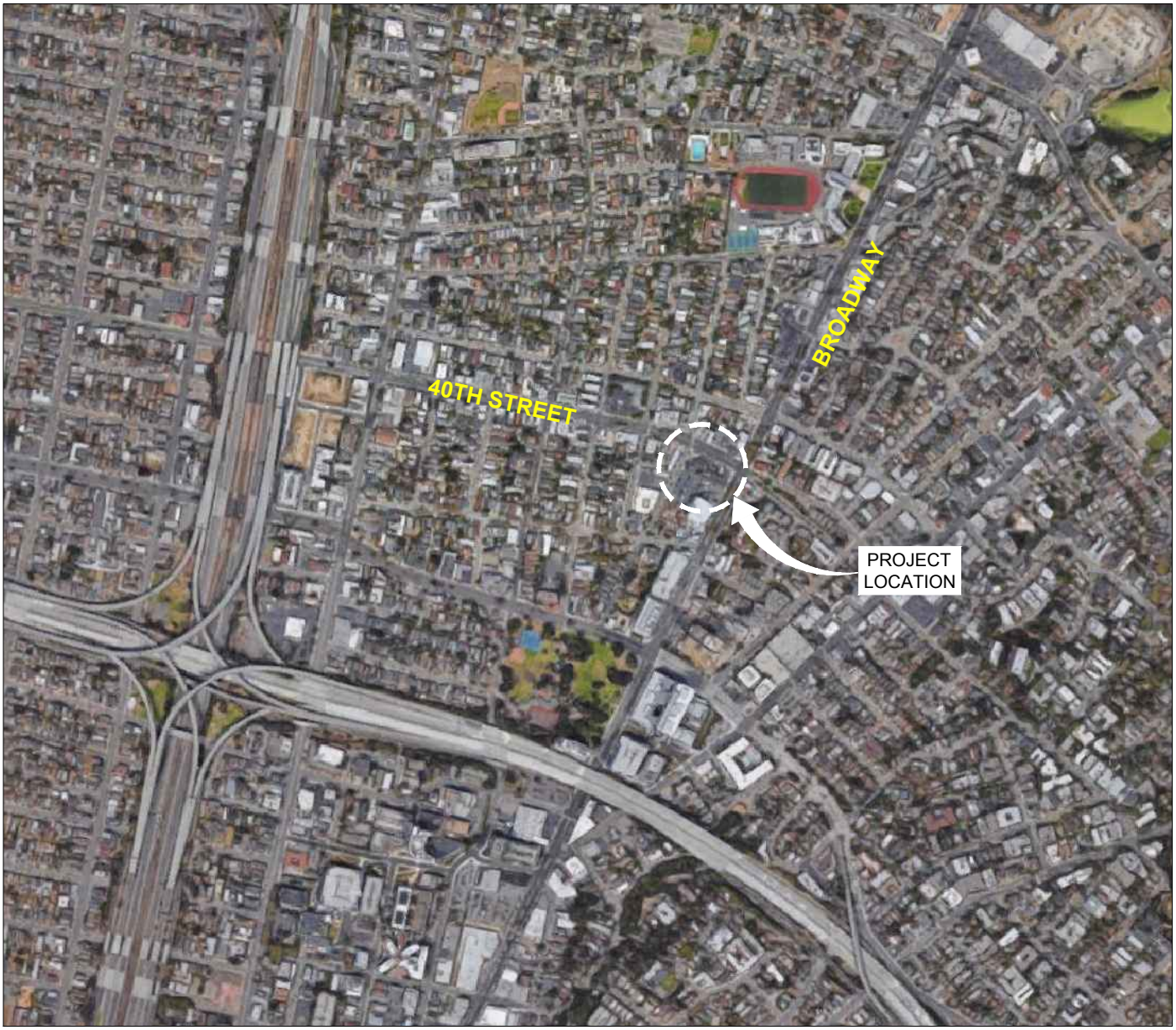
MW-12	12/22/2016	5-17.5	79.61	7.91	0.00	71.70	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	3/24/2017	5-17.5	79.61	7.95	0.00	71.66	<50	<0.50	<0.50	<0.50	<1.0	**0.93**	<0.50	<0.50	<250	
RW-1	7/13/2016	5-15	80.63	8.83	0.00	71.80	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	8/24/2016	5-15	80.63	9.20	0.00	71.43	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	9/16/2016	5-15	80.63	9.34	0.00	71.29	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	10/4/2016	5-15	80.63	9.31	0.00	71.32	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	11/16/2016	5-15	80.63	8.30	0.00	72.33	--	--	--	--	--	--	--	--	--	monthly sock assessment
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	monthly sock assessment
RW-1	1/20/2017	5-17.5	79.61	5.95	0.00	73.66	--	--	--	--	--	--	--	--	--	monthly sock assessment
RW-1	2/16/2017	5-17.5	79.61	5.98	0.00	73.63	--	--	--	--	--	--	--	--	--	monthly sock assessment
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	monthly sock assessment

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: CW 1/17/2017

FIGURES



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

N

0 1000' 2000'

Approximate Scale: 1 in. = 1000 ft.

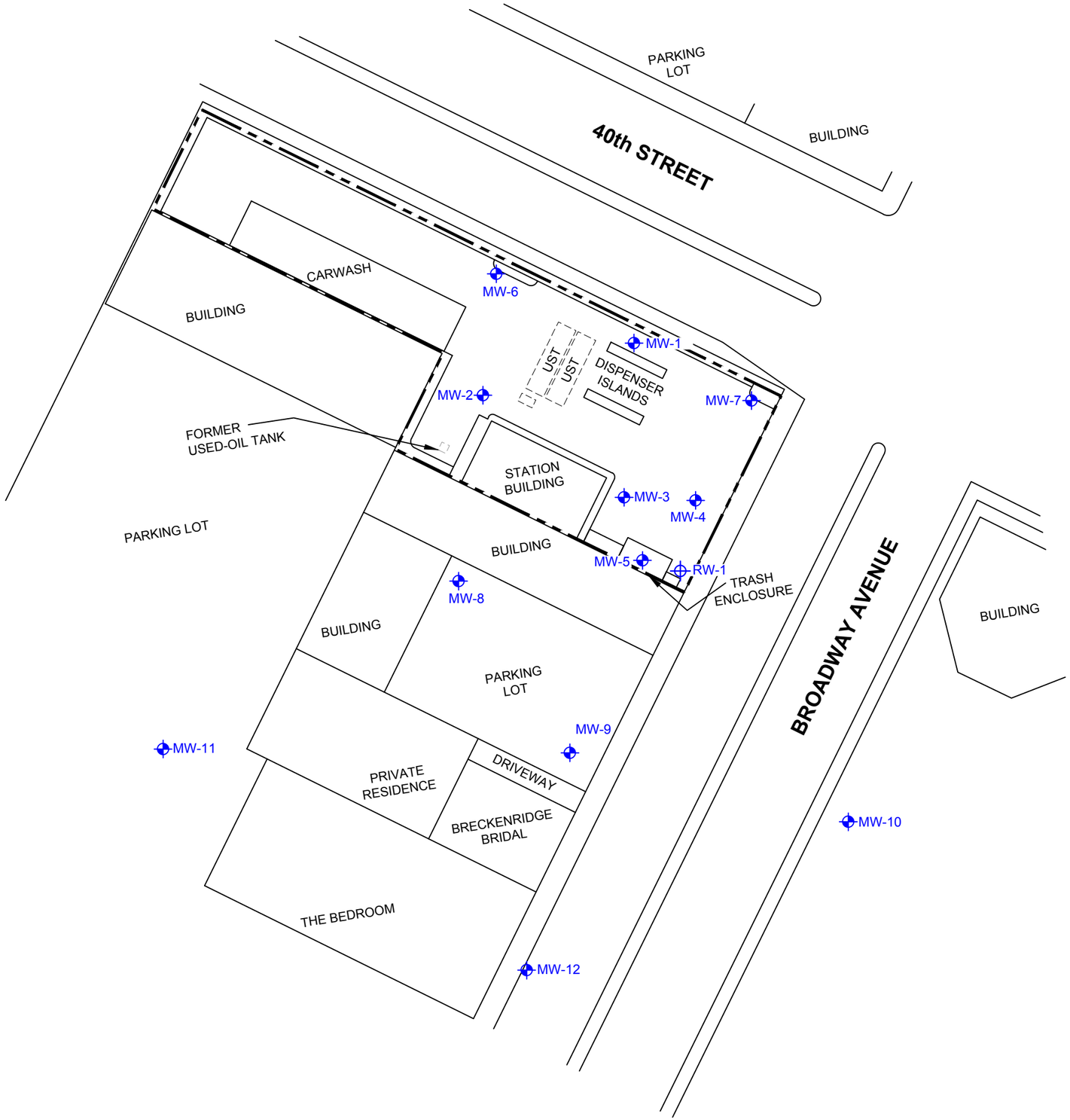
FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, FIRST HALF 2017

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: BANGALORE, INDIA DIV/GROUP: ENVCAD DB: Y. NIMBARGIKAR PIC: M. FLEISCHNER PM: G. FIOL TM: Z. MASON EE: G. RAYMOND LYR:(Opt)ON=*;OFF=*REF*
E:\PROJECTS\31. 351647 Chevron\E-Drawings\351647_Figure-1.dwg LAYOUT: 1 SAVED: 4/11/2017 2:10 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:20 AM BY: PAVAN KUMAR ANJANEYAKUMAR



N

LEGEND:

- GROUNDWATER MONITORING WELL
- RECOVERY WELL
- PROPERTY BOUNDARY
- UST UNDERGROUND STORAGE TANK

NOTES:

1. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 50' 100'

Approximate Scale: 1 in. = 50 ft.

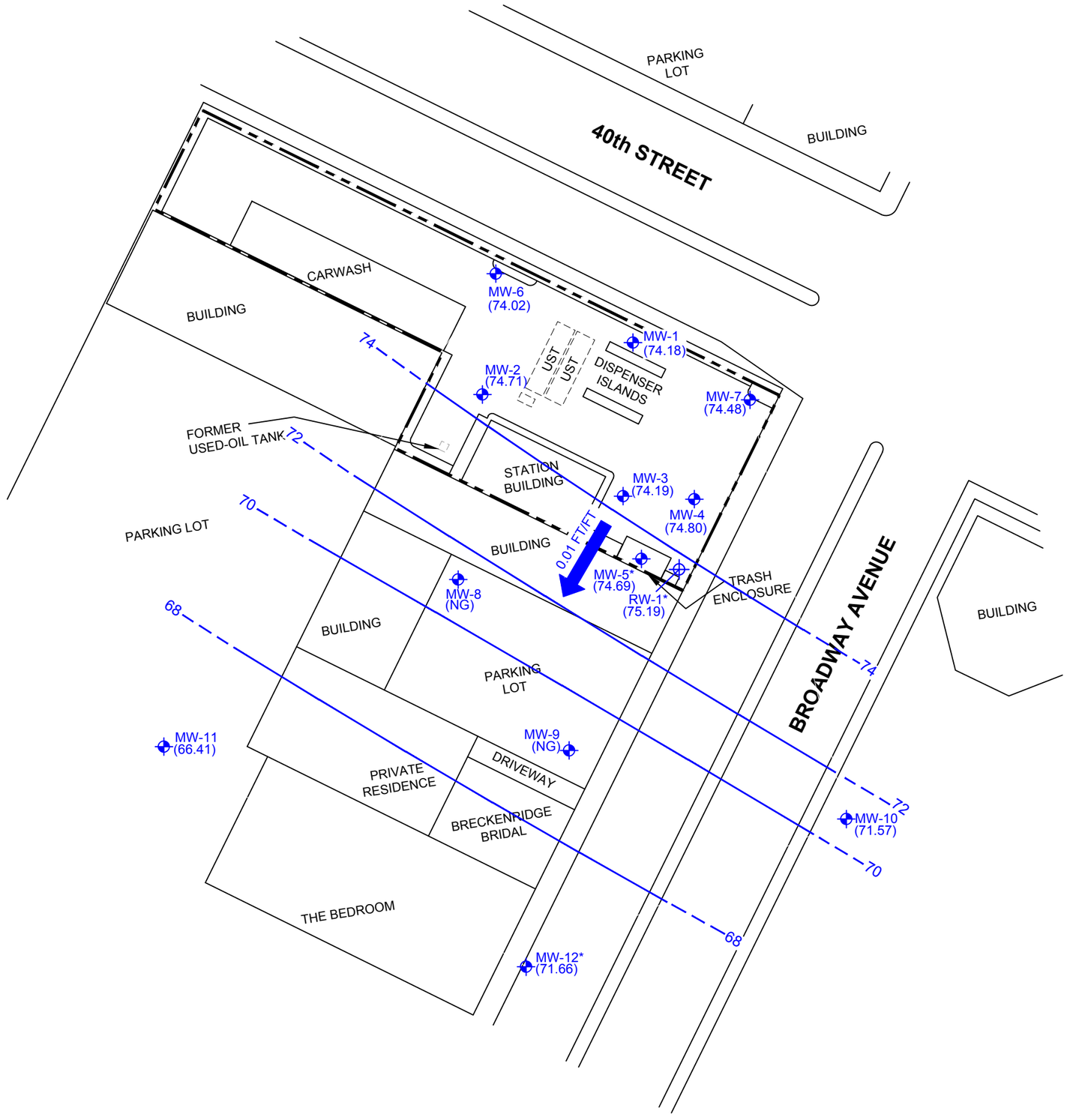
FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, FIRST HALF 2017

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
E:\PROJECTS\31 - 351647 Chevron\E-Drawings\351647_Figure-2.dwg LAYOUT: 2 SAVED: 4/11/2017 2:10 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:19 AM BY: PAVAN KUMAR ANJANEYAKUMAR



N

LEGEND:

- GROUNDWATER MONITORING WELL
- RECOVERY WELL
- (75.19) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (FT AMSL)
- (NG) NOT GAUGED
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- 0.01 FT/FT APPROXIMATE HYDRAULIC GRADIENT (FOOT/FOOT)
- 74 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, FIRST HALF 2017

GROUNDWATER ELEVATION CONTOUR MAP MARCH 24-25, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY: BANGALORE, INDIA DIV/GROUP: ENVCAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
E:\PROJECTS\31. 351647 Chevron\E-Drawings\351647_Figure-3.dwg LAYOUT: 3 SAVED: 4/20/2017 4:53 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:19 AM BY: PAVAN KUMAR ANJANEYAKUMAR

N

LEGEND:

- GROUNDWATER MONITORING WELL
- RECOVERY WELL
- 1,000 — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH-g) ISOCONCENTRATION CONTOURS (DASHED WHERE INFERRED)
- (3,200) 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.

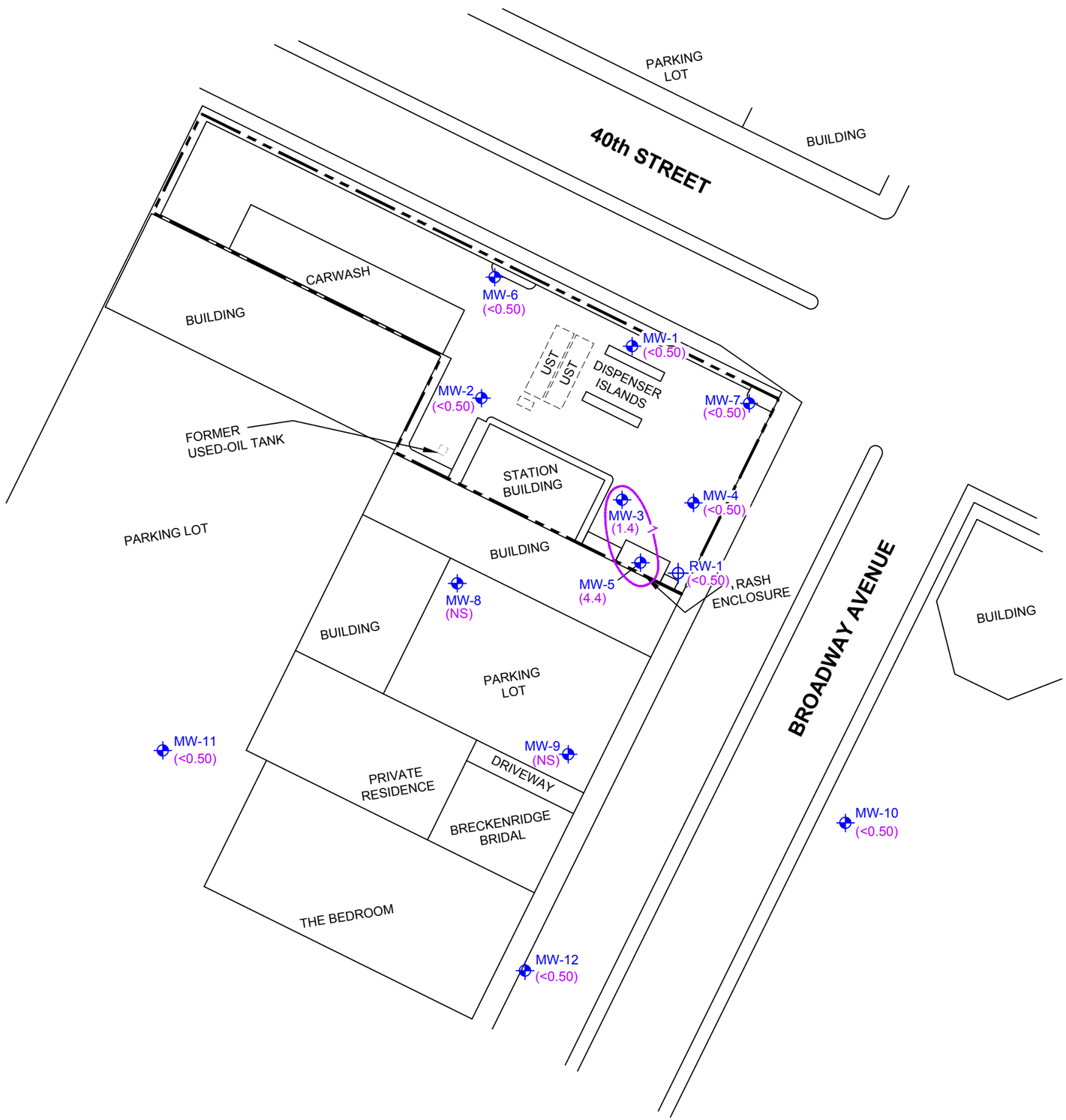
FORMER 76 STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA
SEMI-ANNUAL STATUS REPORT, FIRST HALF 2017

TPH-g ISOCONCENTRATION MAP MARCH 24-25, 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
E:\PROJECTS\31. 351647 Chevron\E-Drawings\3516947_Figure-4.dwg LAYOUT: 4 SAVED: 4/11/2017 2:10 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:20 AM BY: PAVAN KUMAR ANJANEYAKUMAR



N

LEGEND:

- GROUNDWATER MONITORING WELL
- RECOVERY WELL
- 1 — BENZENE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- (4.4) 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, FIRST HALF 2017

BENZENE ISOCONCENTRATION MAP MARCH 24-25, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE 5

CITY: BANGALORE, INDIA DIV/GROUP:ENVCAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
E:\PROJECTS\31. 351647 Chevron\E-Drawings\351647_Figure-5.dwg LAYOUT: 5 SAVED: 4/11/2017 2:10 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:21 AM BY: PAVAN KUMAR ANJANEYAKUMAR

LEGEND:

- GROUNDWATER MONITORING WELL
- RECOVERY WELL
- (NS) NOT SAMPLED
- (8.6) 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, FIRST HALF 2017

MTBE ISOCONCENTRATION MAP MARCH 24-25, 2017

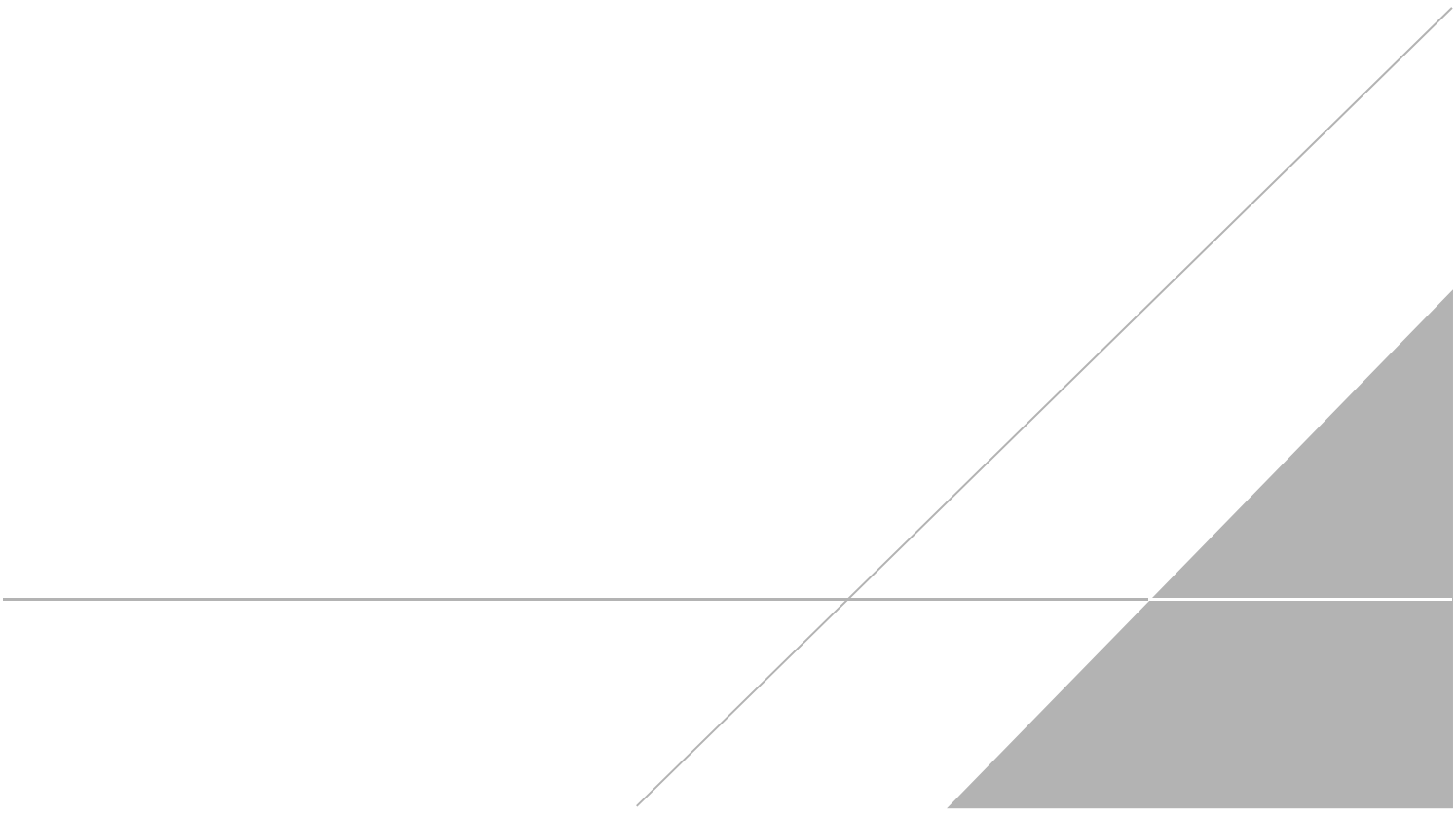
ARCADIS Design & Consultancy for natural and built assets

FIGURE 6

CITY: BANGALORE, INDIA DV/GROUP:ENVCAD DB: Y. NIMBARGIKAR LD: E. MURESAN PIC: K. ABBOTT PM: G. FIOL TM: A. CHUA ES: D. AHMED
E:\PROJECTS\31 351647 Chevron\E-Drawings\351647_Figure-6.dwg LAYOUT: 6 SAVED: 4/11/2017 2:10 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/21/2017 11:21 AM BY: PAVAN KUMAR ANJANEYAKUMAR

ATTACHMENT A

Field Data Sheets and General Procedures



GETTLER-RYAN INC.

TRANSMITTAL

January 25, 2017
G-R #17155648

TO: Ms. Tamera Rogers
Arcadis
6296 San Ignacio Ave., Suite C & D
San Jose, California 95119

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 January 20, 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: 1.20.17
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	→	→	→	→	→	→	N	N	EMCO | 12" | 2	Y
RW1	OK	→	→	S=2	OK	→	→	N	N	EMCO | 16" | 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: 1.20.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 1.20.17
Well Diameter 2 in.
Total Depth 50.16 ft.
Depth to Water 6.67 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.

43.49 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 HOLDING DRUM ON THE SITE

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: FRANK TERRANONI	Date: 1.20.17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: CLOUDY / LT. RAIN

1. Time absorbent sock removed from well for inspection: 1145

2. Condition of sock:

   a. Length of sock showing product saturation: NONE / H2O SATURATION

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: NONE

   d. Weight of the removed sock: 1lb 13'18 oz

   e. Weight of new/clean/dry sock: NA

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

3. Picture of sock removed from well taken: ☑

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

   Confirm drum is labeled: N/A How full is the drum (%): NA

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: 6.67

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

6. Size and type of sock installed: NA

7. Comments: Sock was removed from the well, evaluated ~~and placed in holding drum~~. ~~New sock was installed in the well~~ NO HOLDING DRUM ON THE SITE.

351647, Oakland MW-5 Sock 01-20-17 Event

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 1.20.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID RW-1 Date Monitored: 1.20.17
Well Diameter 2/6 in.
Total Depth 16.34 ft.
Depth to Water 5.95 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.

10.39 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):
Sample Time/Date:
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal.
Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:
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 HOLDING DRUM ON THE SITE

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: FRANK TERMINONI	Date: 1-20-17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: CLOUDY / LT. RAIN

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

2. Condition of sock:

   a. Length of sock showing product saturation: NONE / H2O SATURATION

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: NONE

   d. Weight of the removed sock: 3lbs 15 5/8 oz.

   e. Weight of new/clean/dry sock: NA

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

3. Picture of sock removed from well taken: ☑

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

   Confirm drum is labeled: NA How full is the drum (%): NA

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: 5.95

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

6. Size and type of sock installed: N/A

7. Comments: Sock was removed from the well, evaluated ~~and placed in holding drum~~.
   ~~New sock was installed in the well~~ NO HOLDING DRUM ON THE SITE.

351647, Oakland RW-1 Sock 01-20-17 Event

GETTLER-RYAN INC.

TRANSMITTAL

February 22, 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 February 16, 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: 2.16.17
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	→					→	↓	↓	Emco | 12" | 2	
RW-1	OK	→	→	S=1	OK	→	→	↓	↓	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: 2.16.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 2.16.17
Well Diameter 2/6 in.
Total Depth 50.16 ft.
Depth to Water 7.13 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.

43.03 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 Tennison	Date: 2-16-17	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: 1300

2. Condition of sock:

   a. Length of sock showing product saturation: FULL SATURATION

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: BLACK

   d. Weight of the removed sock: 13 7/8 oz

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

   f. Difference in weight [(d-e) to 0.01 ounces]: 10 7/8 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 (%): NEW

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: 7.13

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

6. Size and type of sock installed: SOAKBASE 3"

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 02-16-17

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 2.16.17 (inclusive)
City: Oakland, CA Sampler: FT

Well ID RW-1 Date Monitored: 2.16.17
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 5.98 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.

10.36 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.

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	2.16.17	Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: SUNNY

1. Time absorbent sock removed from well for inspection: 1330

2. Condition of sock:

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

   b. Length of sock showing dryness: NONE

   c. Color of sock showing product saturation: NONE

   d. Weight of the removed sock: 3lbs 15 5/8 oz.

   e. Weight of new/clean/dry sock: 8 7/8 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 3lbs 7 2/8 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 (%): NEW

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: 5.98

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

6. Size and type of sock installed: PIK

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 02-16-17

GETTLER-RYAN INC.

TRANSMITTAL

March 28, 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 **First Semi Annual Event of March 24 & 25, 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: 3/24-25/12
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 / 10 / 2	
MW-2										EMCO / 12 / 2	
MW-3										DIVERSIFIED / 10 / 2	
MW-4										EMCO / 12 / 2	
MW-5											
MW-6											
MW-7											
MW-10				B(2)						UNIVERSAL / 8 / 2	
MW-11				OK							
MW-12										BRAINARD K. / 8 / 2	
RW-1										EMCO / 24" / 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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-1 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 19.58 ft.
Depth to Water 6.36 ft.

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

☐ Check if water column is less then 0.50 ft.

13.22 xVF 0.17 = 13.05 x3 case volume = Estimated Purge Volume: 37 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.00

Purge Equipment:		Sampling Equipment:	
Disposable Bailer	K	Disposable Bailer	K
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: 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): 2210 Weather Conditions: CLOUDY
Sample Time/Date: 2250 / 3/24/17 Water Color: LT BROWN Odor: Y (N)
Approx. Flow Rate: gpm. Sediment Description: SILT
Did well de-water? NO 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)
2214	2.5	6.72	491	18.0		
2219	5	6.77	493	17.9		
2225	7	6.79	499	17.9		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-2 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 19.78 ft.
Depth to Water 6.61 ft.

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

☐ Check if water column is less then 0.50 ft.

13.17 xVF 0.17 = 2.23 x3 case volume = Estimated Purge Volume: 7 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.24

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: 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: Cloudy
Sample Time/Date: 2155 / 3/24/17 Water Color: LT BROWN Odor: Y (N)
Approx. Flow Rate: ~~gpm~~ gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 8.04

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
2120	2.5	6.69	577	17.7		
2125	5	6.70	580	17.7		
2130	7	6.72	581	17.9		

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: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 17155648
Site Address: 3943 Broadway Event Date: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-3 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 22.45 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.

15.23 xVF 0.17 = 2.58 x3 case volume = Estimated Purge Volume: 8 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.26

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): 2350 Weather Conditions: CLOUDY
Sample Time/Date: 0030/3/25/17 Water Color: CLEAR Odor: (Y) / N MODERATE
Approx. Flow Rate: _____ gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 10.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C) F	D.O. (mg/L)	ORP (mV)
2353	3	6.62	631	19.3		
2356	6	6.59	630	19.3		
2358	8	6.57	624	19.3		

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: _____

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-4 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 19.72 ft.
Depth to Water 6.68 ft.

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

☐ Check if water column is less then 0.50 ft.

13.04 xVF 0.17 = 2.21 x3 case volume = Estimated Purge Volume: 7 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.28

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

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

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

Start Time (purge): 0045 Weather Conditions: CLOUDY/COLD
Sample Time/Date: 0120 / 3/25/17 Water Color: LT BROWN Odor: Y (N)
Approx. Flow Rate: ~ gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 7.77

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
0050	2.5	6.42	569	18.1		
0055	5	6.40	570	18.0		
0101	7	6.44	573	18.0		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-5 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 20.01 ft.
Depth to Water 6.69 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

13.32 xVF 0.17 = 2.26 x3 case volume = Estimated Purge Volume: 7 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.35

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

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

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

Start Time (purge): 0215 Weather Conditions: Cloudy / Cold
Sample Time/Date: 0300 / 2/25/17 Water Color: BLACK Odor: (Y) N STRONG
Approx. Flow Rate: ~ gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 7.91

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0220	2.5	6.95	957	17.1		
0225	5	6.97	960	17.1		
0230	7	6.99	962	17.0		

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: SOCK IN WELL - EVALUATED & PLACED IN HOLDING DRUM. NEW SOCK INSTALLED.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G. MEDINA	Date: 3/24/17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: MW-5	Weather: COLD

1. Time absorbent sock removed from well for inspection: 1605

2. Condition of sock:

   a. Length of sock showing product saturation: 39"

   b. Length of sock showing dryness: Ø

   c. Color of sock showing product saturation: BLACK

   d. Weight of the removed sock: 1 LBS [redacted]

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

   f. Difference in weight [(d-e) to 0.01 ounces]: 12 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 (%): 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: NA

   b. Depth to water: 6.69

   c. Thickness of product (b-a): Ø

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

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


OAKLAND
#351642
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: 3/24-25/17 (inclusive)

City: **Oakland, CA** Sampler: GM

Well ID MW-6 Date Monitored: 3/24/17

Well Diameter (2) 6 in.

Total Depth 19.54 ft.

Depth to Water 5.92 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.

13.62 xVF 0.17 = 2.31 x3 case volume = Estimated Purge Volume: 7 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.64

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): 2030 Weather Conditions: CLOUDY

Sample Time/Date: 2105 / 3/24/17 Water Color: TAN Odor: Y (N)

Approx. Flow Rate: — gpm. Sediment Description: SL SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 6.92

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
2035	2.5	6.60	551	17.6		
2039	5	6.62	560	17.5		
2045	7	6.69	562	17.6		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-7 Date Monitored: 3/24/17
Well Diameter 2 6 in.
Total Depth 19.69 ft.
Depth to Water 7.16 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.

12.53 xVF 0.17 = 2.13 x3 case volume = Estimated Purge Volume: 6.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.66

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): 2300 Weather Conditions: Cloudy
Sample Time/Date: 2335/3/24/17 Water Color: LT BROWN Odor: Y (N)
Approx. Flow Rate: ~ gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 8.49

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
2305	2.25	6.58	511	18.2		
2311	4.5	6.60	512	18.1		
2316	6.5	6.61	514	18.1		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-10 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 21.70 ft.
Depth to Water 10.04 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.

11.66 xVF 0.17 = 1.98 x3 case volume = Estimated Purge Volume: 6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.37

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): 1810 Weather Conditions: COLD
Sample Time/Date: 1845 / 3/24/17 Water Color: CLOUDY Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.15

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
1814	2	6.88	453	17.3		
1818	4	6.79	460	17.3		
1823	6	6.75	462	17.1		

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: 3/24+25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-11 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 19.10 ft.
Depth to Water 11.77 ft.

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

☐ Check if water column is less then 0.50 ft.

7.33 xVF 0.17 = 1.24 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.23

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): 1945 Weather Conditions: COLD
Sample Time/Date: 2010 / 3/24/17 Water Color: Cloudy Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: SL SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 13.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1948	1.5	7.81	490	19.6		
1951	3	7.87	493	19.6		
1954	4	7.90	502	19.6		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-12 Date Monitored: 3/24/17
Well Diameter (2) 6 in.
Total Depth 17.57 ft.
Depth to Water 7.95 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.

9.62 xVF 0.17 = 1.63 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.87

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): 1900 Weather Conditions: COLD
Sample Time/Date: 1930 / 3/24/17 Water Color: CLOUDY Odor: Y (N)
Approx. Flow Rate: — gpm. Sediment Description: SL SILT
Did well de-water? NO 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)
1903	1.5	6.95	469	19.2		
1907	3	6.89	472	19.3		
1911	5	6.87	479	19.3		

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: 3/24-25/17 (inclusive)
City: Oakland, CA Sampler: GM

Well ID RW-1 Date Monitored: 3/24/17
Well Diameter 2 (6) in.
Total Depth 116.42 ft.
Depth to Water 5.44 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.

10.98 xVF 1.50 = 16.47 x3 case volume = Estimated Purge Volume: 50 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.63

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: 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): 0135 Weather Conditions: CLOUDY/COLD
Sample Time/Date: 0350 / 3/25/17 Water Color: CLEAR Odor (Y) N STRONG
Approx. Flow Rate: 3 gpm. Sediment Description: SL SILT
Did well de-water? YES If yes, Time: 0158 Volume: 25 gal. DTW @ Sampling: 6.96

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
0145	18	6.62	693	19.5		

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 - EVACUATED & PLACED IN HOLDING DRUM, NEW SOCK INSTALLED.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: G. MEDINA	Date: 3/24/17	Project Number: Chevron #351647 / 17155648
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: CLOUDY/COLD

1. Time absorbent sock removed from well for inspection: 1615

2. Condition of sock:

   a. Length of sock showing product saturation: 30"

   b. Length of sock showing dryness: Ø

   c. Color of sock showing product saturation: LT BROWN

   d. Weight of the removed sock: 1 LBS 13 3/4 OZ

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

   f. Difference in weight [(d-e) to 0.01 ounces]: 1 LBS 8 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 (%): 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: NA

   b. Depth to water: 5.44

   c. Thickness of product (b-a): Ø

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

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


OAKLAND
#351642
RW-1

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: [redacted] 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: CARL EDWARDS
Site Address: 3943 BROADWAY OAKLAND, CA	Consultant Phone No.: (415) 325 0759
	Sampling Company: GETTLER RYAN INC
Union Oil PM: JAMES P. KIERNAN	Sampled By (PRINT): GILBERT MEDINA
Union Oil PM Phone No.: (925) 842 3220	Sampler Signature:
Charge Code: NWRTB- 0 351647 -0- LAB	BC Laboratories, Inc.
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	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: 5 DAY TAT. RUN 8 OXYS BY 8260 ON ALL 8260 MTBE HITS.

SAMPLE ID						TPH - Diesel by EPA 8015	TPH - G by [redacted] (C6-C12) (8015)	BTEX/MTBE/[redacted] by EPA 8260B	Ethanol by EPA 8260B /EDB/EDC (8260)	EPA 8260B Full List with OXYS								
Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers													Notes / Comments
QA	W-S-A		170324	—	2		X	X										
MW-1	W-S-A			2250	6				X									
MW-2	W-S-A			2155														
MW-3	W-S-A		25	0030														
MW-4	W-S-A			0120														
MW-5	W-S-A			0300														
MW-6	W-S-A		24	2105														
MW-7	W-S-A			2335														
MW-10	W-S-A			1345														
MW-11	W-S-A			2010														
MW-12	W-S-A			1930														
RW-1	W-S-A		25	0350														

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	GRINC	3/25/17 1200		GRINC	03-27-17 1045			
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
GETTLER-RYAN FRIDGE		03-27-17 0945	Hang Bogan	BCLab	3-27-17 1145			

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	

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
	--	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
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
	81.13	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	

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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
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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	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
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	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	

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	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	--	--	--	--	--	--

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	--	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
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)
	11/22/2000	--	--	--	--	--	--	--	--	--	--
	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: 03/30/2017

Carl Edwards

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

Client Project:	351647
BCL Project:	0746
BCL Work Order:	1707907
Invoice ID:	B263249

Enclosed are the results of analyses for samples received by the laboratory on 3/27/2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

17-07907 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: [redacted] 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: CARL EDWARDS
Site Address: 3943 BROADWAY OAKLAND, CA	Consultant Phone No.: (415) 325 0759
Union Oil PM: JAMES P KIERNAN	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

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

Special Instructions: 5 DAY TAT. RUN 8 OXYS BY 8260 ON ALL 8260 MTBE HITS.

	SAMPLE ID						ANALYSES REQUIRED											
	Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [redacted] (GC-FID) (8015)	BTEX/MTBE [redacted] by EPA 8260B	Ethanol by EPA 8260B (EDB/EDC (8260)	EPA 8260B Full List with OXYS							Notes / Comments
1	QA	W-S-A		170324	—	2		X	X									
2	MW-1	W-S-A			2250	6				X								
3	MW-2	W-S-A			2155													
4	MW-3	W-S-A		25	0030													
5	MW-4	W-S-A			0120													
6	MW-5	W-S-A			0300													
7	MW-6	W-S-A		24	2105													
8	MW-7	W-S-A			2335													
9	MW-10	W-S-A			1845													
10	MW-11	W-S-A			2010													
11	MW-12	W-S-A			1930													
12	RW-1	W-S-A		25	0350													

CHK BY DISTRIBUTION SUB-OUT ☐

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	GR INC	3/25/17 1200		GR INC	03:27-17 1045	Hang Bogan	BC Lab	3-27-17 1830
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
GETTLER-RYAN FEDEX		03:27-17 0830	Hang Bogan	BC Lab	3-27-17 1045		BCLAB	3/27/17 18:30

REL. 3/27/17 2150 BCLAB 3/27 2150

Chain of Custody and Cooler Receipt Form for 1707907 Page 2 of 3

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

Submission #: 17-07907

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
(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: 0.95 Container: VOA Thermometer ID: 208

Temperature: (A) 2.1 °C / (C) 2.2 °C

Date/Time 3/27 2150

Analyst Init GSP

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	AB									
40ml VOA VIAL		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: Date/Time 3.27.17 2340

A = Actual / C = Corrected

Rev 21 05/23/2016
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Chain of Custody and Cooler Receipt Form for 1707907 Page 3 of 3

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 1 of 2

Submission #: 17-07907

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐
(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: 0.95 Container: Voa Thermometer ID: 208 Date/Time 3/27 2150

Temperature: (A) 2.1 °C / (C) 2.2 °C Analyst Init GSP

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	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: AA Date/Time: 3.27.17 2342

A = Actual / C = Corrected

Rev 21 05/23/2016
[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 20]

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

Reported: 03/30/2017 15:49
Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1707907-01	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-170324	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Blank Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1707907-02	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 22:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1707907-03	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 21:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1707907-04	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/25/2017 00:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-170325	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-05	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/25/2017 01:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-170325	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-06	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/25/2017 03:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5-W-170325	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1707907-07	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 21:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-08	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 23:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-7	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-09	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 18:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-10-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-10	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1707907-10	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 20:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-11-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-11	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-11	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/24/2017 19:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-12-W-170324	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-12	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1707907-12	**COC Number:**	---	**Receive Date:**	03/27/2017 21:50
	Project Number:	0746	**Sampling Date:**	03/25/2017 03:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	RW-1-W-170325	**Lab Matrix:**	Water
	Sampled By:	Gilbert Medina of GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): RW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-01 | **Client Sample Name:** 0746, QA-W-170324, 3/24/2017 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)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	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	03/28/17	03/29/17 08:51	IO1	MS-V12	1	B[C2740

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Project: 0746
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Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-01 | **Client Sample Name:** 0746, QA-W-170324, 3/24/2017 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)	91.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 11:57	AKM	GC-V9	1	B[C1963

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Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-02 | **Client Sample Name:** 0746, MW-1-W-170324, 3/24/2017 10:50:00PM, Gilbert Medina

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)	110	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/28/17	03/29/17 09:13	IO1	MS-V12	1	B[C2740

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Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-02 | **Client Sample Name:** 0746, MW-1-W-170324, 3/24/2017 10:50:00PM, Gilbert Medina

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)	92.9	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 12:17	AKM	GC-V9	1	B[C1963

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Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-03 | **Client Sample Name:** 0746, MW-2-W-170324, 3/24/2017 9:55:00PM, Gilbert Medina

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	**4.1**	**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)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	119	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 13:14	IO1	MS-V12	1	B[C2740

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Project: 0746
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Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-03 | **Client Sample Name:** 0746, MW-2-W-170324, 3/24/2017 9:55:00PM, Gilbert Medina

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)	90.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 12:37	AKM	GC-V9	1	B[C1963

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Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-04 | **Client Sample Name:** 0746, MW-3-W-170325, 3/25/2017 12:30:00AM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**1.4**	**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	**6.4**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**8.6**	**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)	113	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	92.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	75.2	%	80 - 120 (LCL - UCL)		EPA-8260B		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 13:34	IO1	MS-V12	1	B[C2740

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-04 | **Client Sample Name:** 0746, MW-3-W-170325, 3/25/2017 12:30:00AM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**3200**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	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	03/28/17	03/28/17 18:08	AKM	GC-V9	10	B[C2678

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-05 | **Client Sample Name:** 0746, MW-4-W-170325, 3/25/2017 1:20:00AM, Gilbert Medina

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)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	85.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 13:54	IO1	MS-V12	1	B[C2740

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Project: 0746
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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-05 | **Client Sample Name:** 0746, MW-4-W-170325, 3/25/2017 1:20:00AM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**1600**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	110	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 18:28	AKM	GC-V9	10	B[C2678

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-06 | **Client Sample Name:** 0746, MW-5-W-170325, 3/25/2017 3:00:00AM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**4.4**	**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	**4.9**	**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)	93.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 14:16	IO1	MS-V12	1	B[C2740

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-06 | **Client Sample Name:** 0746, MW-5-W-170325, 3/25/2017 3:00:00AM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**3200**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	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	03/28/17	03/28/17 18:48	AKM	GC-V9	10	B[C2678

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Reported: 03/30/2017 15:49
Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-07 | **Client Sample Name:** 0746, MW-6-W-170324, 3/24/2017 9:05:00PM, Gilbert Medina

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)	110	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	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	03/29/17	03/29/17 14:36	IO1	MS-V12	1	B[C2740

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Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-07 | **Client Sample Name:** 0746, MW-6-W-170324, 3/24/2017 9:05:00PM, Gilbert Medina

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)	96.4	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 12:58	AKM	GC-V9	1	B[C1963

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Reported: 03/30/2017 15:49
Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-08 | **Client Sample Name:** 0746, MW-7-W-170324, 3/24/2017 11:35:00PM, Gilbert Medina

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	**1.3**	**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)	106	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.4	%	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	03/29/17	03/29/17 14:56	IO1	MS-V12	1	B[C2740

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Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-08 | **Client Sample Name:** 0746, MW-7-W-170324, 3/24/2017 11:35:00PM, Gilbert Medina

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**73**	**ug/L**	**50**		**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	96.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 13:18	AKM	GC-V9	1	B[C2678

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-09 | **Client Sample Name:** 0746, MW-10-W-170324, 3/24/2017 6:45:00PM, Gilbert Medina

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)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 15:16	IO1	MS-V12	1	B[C2740

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-09 | **Client Sample Name:** 0746, MW-10-W-170324, 3/24/2017 6:45:00PM, Gilbert Medina

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)	88.4	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 13:39	AKM	GC-V9	1	B[C2678

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-10 | **Client Sample Name:** 0746, MW-11-W-170324, 3/24/2017 8:10:00PM, Gilbert Medina

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)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	115	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 15:36	IO1	MS-V12	1	B[C2740

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Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-10 | **Client Sample Name:** 0746, MW-11-W-170324, 3/24/2017 8:10:00PM, Gilbert Medina

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)	89.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 13:59	AKM	GC-V9	1	B[C2678

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Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-11 | **Client Sample Name:** 0746, MW-12-W-170324, 3/24/2017 7:30:00PM, Gilbert Medina

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	**0.93**	**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)	108	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	114	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 15:56	IO1	MS-V12	1	B[C2816

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Project Manager: Carl Edwards

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-11 | **Client Sample Name:** 0746, MW-12-W-170324, 3/24/2017 7:30:00PM, Gilbert Medina

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)	91.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 14:19	AKM	GC-V9	1	B[C2678

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Project Manager: Carl Edwards

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1707907-12 | **Client Sample Name:** 0746, RW-1-W-170325, 3/25/2017 3:50:00AM, Gilbert Medina

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)	110	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	118	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	03/29/17	03/29/17 16:16	IO1	MS-V12	1	B[C2816

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1707907-12 | **Client Sample Name:** 0746, RW-1-W-170325, 3/25/2017 3:50:00AM, Gilbert Medina

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)	92.1	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	03/28/17	03/28/17 14:40	AKM	GC-V9	1	B[C2678

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Project: 0746
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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[C2740						
Benzene	B[C2740-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	B[C2740-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	B[C2740-BLK1	ND	ug/L	0.50		
Ethylbenzene	B[C2740-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	B[C2740-BLK1	ND	ug/L	0.50		
Toluene	B[C2740-BLK1	ND	ug/L	0.50		
Total Xylenes	B[C2740-BLK1	ND	ug/L	1.0		
Ethanol	B[C2740-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**B[C2740-BLK1**	**108**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B[C2740-BLK1**	**95.8**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B[C2740-BLK1**	**114**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: B[C2816						
Benzene	B[C2816-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	B[C2816-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	B[C2816-BLK1	ND	ug/L	0.50		
Ethylbenzene	B[C2816-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	B[C2816-BLK1	ND	ug/L	0.50		
Toluene	B[C2816-BLK1	ND	ug/L	0.50		
Total Xylenes	B[C2816-BLK1	ND	ug/L	1.0		
Ethanol	B[C2816-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**B[C2816-BLK1**	**109**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B[C2816-BLK1**	**97.2**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B[C2816-BLK1**	**119**	%	**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[C2740										
Benzene	B[C2740-BS1	LCS	29.880	25.000	ug/L	120		70 - 130		
Toluene	B[C2740-BS1	LCS	31.350	25.000	ug/L	125		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B[C2740-BS1	LCS	9.5200	10.000	ug/L	95.2		75 - 125		
Toluene-d8 (Surrogate)	B[C2740-BS1	LCS	10.110	10.000	ug/L	101		80 - 120		
4-Bromofluorobenzene (Surrogate)	B[C2740-BS1	LCS	11.240	10.000	ug/L	112		80 - 120		
QC Batch ID: B[C2816										
Benzene	B[C2816-BS1	LCS	26.710	25.000	ug/L	107		70 - 130		
Toluene	B[C2816-BS1	LCS	27.800	25.000	ug/L	111		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B[C2816-BS1	LCS	9.6000	10.000	ug/L	96.0		75 - 125		
Toluene-d8 (Surrogate)	B[C2816-BS1	LCS	10.150	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	B[C2816-BS1	LCS	10.910	10.000	ug/L	109		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[C2740	Used client sample: N										
Benzene	MS	1705207-33	ND	27.050	25.000	ug/L		108		70 - 130	
	MSD	1705207-33	ND	27.630	25.000	ug/L	2.1	111	20	70 - 130	
Toluene	MS	1705207-33	ND	27.980	25.000	ug/L		112		70 - 130	
	MSD	1705207-33	ND	28.150	25.000	ug/L	0.6	113	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1705207-33	ND	9.3800	10.000	ug/L		93.8		75 - 125	
	MSD	1705207-33	ND	9.6900	10.000	ug/L	3.3	96.9		75 - 125	
Toluene-d8 (Surrogate)	MS	1705207-33	ND	9.9600	10.000	ug/L		99.6		80 - 120	
	MSD	1705207-33	ND	10.010	10.000	ug/L	0.5	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1705207-33	ND	10.920	10.000	ug/L		109		80 - 120	
	MSD	1705207-33	ND	10.550	10.000	ug/L	3.4	106		80 - 120	
QC Batch ID: B[C2816	Used client sample: N										
Benzene	MS	1705207-30	ND	24.680	25.000	ug/L		98.7		70 - 130	
	MSD	1705207-30	ND	26.420	25.000	ug/L	6.8	106	20	70 - 130	
Toluene	MS	1705207-30	ND	25.720	25.000	ug/L		103		70 - 130	
	MSD	1705207-30	ND	26.860	25.000	ug/L	4.3	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1705207-30	ND	9.8800	10.000	ug/L		98.8		75 - 125	
	MSD	1705207-30	ND	9.9100	10.000	ug/L	0.3	99.1		75 - 125	
Toluene-d8 (Surrogate)	MS	1705207-30	ND	10.230	10.000	ug/L		102		80 - 120	
	MSD	1705207-30	ND	10.210	10.000	ug/L	0.2	102		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1705207-30	ND	10.940	10.000	ug/L		109		80 - 120	
	MSD	1705207-30	ND	10.880	10.000	ug/L	0.5	109		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[C1963						
Gasoline Range Organics (C6 - C12)	B[C1963-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**B[C1963-BLK1**	**110**	%	**70 - 130 (LCL - UCL)**		
QC Batch ID: B[C2678						
Gasoline Range Organics (C6 - C12)	B[C2678-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**B[C2678-BLK1**	**108**	%	**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[C1963										
Gasoline Range Organics (C6 - C12)	B[C1963-BS1	LCS	900.21	1000.0	ug/L	90.0		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	B[C1963-BS1	LCS	43.897	40.000	ug/L	110		70 - 130		
QC Batch ID: B[C2678										
Gasoline Range Organics (C6 - C12)	B[C2678-BS1	LCS	892.64	1000.0	ug/L	89.3		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	B[C2678-BS1	LCS	43.732	40.000	ug/L	109		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[C1963	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1705022-41	ND	1011.7	1000.0	ug/L		101		70 - 130	
	MSD	1705022-41	ND	1073.0	1000.0	ug/L	5.9	107	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1705022-41	ND	44.340	40.000	ug/L		111		70 - 130	
	MSD	1705022-41	ND	43.493	40.000	ug/L	1.9	109		70 - 130	
QC Batch ID: B[C2678	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1705207-38	ND	891.80	1000.0	ug/L		89.2		70 - 130	
	MSD	1705207-38	ND	854.04	1000.0	ug/L	4.3	85.4	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1705207-38	ND	42.780	40.000	ug/L		107		70 - 130	
	MSD	1705207-38	ND	43.030	40.000	ug/L	0.6	108		70 - 130	

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Reported: 03/30/2017 15:49
Project: 0746
Project Number: 351647
Project Manager: Carl Edwards

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.