Nicole M. Arceneaux
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January 15, 2016

RECEIVED
By Alameda County Environmental Health 10:19 am, Jan 19, 2016

Mr. Keith Nowell
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **76 Station #0746 (351647)**
Second Semi-Annual 2015 Groundwater Monitoring Report
3943 Broadway, Oakland, California
ACEH Case No. RO0000203
GeoTracker Global ID T T0600101471

I have reviewed the attached report dated January 15, 2016.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by AECOM, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13257(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Nicole Arceneaux
Project Manager

Attachment: Second Semi-Annual 2015 Groundwater Monitoring Report by AECOM

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

tel 805-388-3775
fax 805-388-3577

January 15, 2016

Mr. Keith Nowell
Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
(via internet upload)

Subject: **Second Semi-Annual 2015 Groundwater Monitoring Report**
76 Station No. 0746 (351647)
3943 Broadway Avenue, Oakland, California
Fuel Leak Case No.: RO0000203

Dear Mr. Nowell:

On behalf of Chevron Environmental Management Company's (EMC's) affiliate, Union Oil Company of California ("Union Oil"), AECOM is pleased to submit this second semi-annual 2015 groundwater monitoring report for the site located at 3943 Broadway Avenue in Oakland, California (**Figure 1**). The locations current site features are illustrated on **Figure 2**. Semi-annual groundwater monitoring is conducted to evaluate the distribution of petroleum hydrocarbon constituents in groundwater beneath the site. The fieldwork was performed by Gettler-Ryan Inc. under direct management of EMC. This report summarizes results of the groundwater samples collected from wells associated with the site during the second semi-annual 2015 monitoring event.

Groundwater Level Measurements

Depth to groundwater measurements were recorded for 11 monitoring wells (MW-1 through MW-7, MW-10 through MW-12, and RW-1), on December 30, 2015, and are presented in **Table 1**. MW-5 had 0.19 feet of light non-aqueous phase liquid (LNAPL). Depth to groundwater measurements were used to construct a groundwater elevation contour map (**Figure 3**). The depth to groundwater ranged from 7.21 (MW-6) to 14.66 (MW-10) feet below the top of well casings. A summary of well construction details is presented in **Table 1**.

The groundwater flow direction is generally southwest with an average hydraulic gradient of approximately 0.02 feet per foot (**Figure 3**). A copy of the groundwater sampling/purge logs is included in **Attachment 1**. A summary of groundwater elevations calculated during this monitoring event is presented in **Table 2**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from wells MW-1 through MW-4, MW-5 through MW-7, MW-10 through MW-12, and RW-1. MW-5 was not sampled due to the presence of LNAPL. The groundwater samples were submitted to BC Laboratories, Inc. in Bakersfield, California, for analysis of total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by Environmental Protection Agency (EPA) Method 8015B and of benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenate compounds: methyl t-butyl ether (MTBE), ethanol, 1,2-dibromoethane, and 1,2-dichloroethane using EPA Method 8260B.

Groundwater sampling results from this sampling event are summarized in **Tables 2 and 3**. Historical groundwater elevations, sampling results, and LNAPL recovery data are provided in **Tables 4 through 7**. A map showing concentrations of TPH-g, BTEX, and MTBE in groundwater for

this monitoring event is included as **Figure 4**. Isoconcentration maps for TPH-g, benzene, and MTBE for this monitoring event are included as **Figures 5 through 7**, respectively. A copy of the certified laboratory analytical report with chain-of-custody documentation is included in **Attachment 2**. Hydrographs with groundwater elevation and contaminant concentrations at each well are included in **Charts 1 through 13**.

Future Work

The next semi-annual groundwater monitoring event will be conducted in the second quarter of 2016.

As indicated in the data gap investigation workplan, efforts are ongoing to obtain an EPA waste generator identification number, remove LNAPL and the skimmer from MW-5, and install a sorbent sock. Once these efforts are completed, sorbent socks in MW-5 and RW-1 are planned be replaced monthly.

Remarks/Signatures

The interpretations in this report represent AECOM's professional opinions and are based, in part, on the information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions regarding this project, please contact Mr. Chad Roper at (805) 764-4027.

Sincerely,

Chad Roper, PhD
Project Manager

Dana Files, PG No. 8410
Project Geologist

cc: Ms. Nicole Arceneaux, EMC *(via electronic copy)*

Enclosures:

1/15/16

Figures
- Figure 1 - Site Location Map
- Figure 2 - Site Plan
- Figure 3 - Second Semi-Annual 2015 Groundwater Elevation Map
- Figure 4 - Second Semi-Annual 2015 Groundwater Analytical Data Map
- Figure 5 - Second Semi-Annual 2015 TPH-GRO Concentration Map
- Figure 6 - Second Semi-Annual 2015 Benzene Concentration Map
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- Table 1 - Well Construction Details
- Table 2 - Current Groundwater Monitoring Data and Analytical Results
- Table 3 - Current Groundwater Analytical Results – Oxygenate Compounds
- Table 4 - Historical Groundwater Monitoring Data and Analytical Results

Table 5 - Historical Groundwater Analytical Results – Oxygenate Compounds
Table 6 - LNAPL Recovery Data
Table 7 - Historical Groundwater Analytical Results – Additional Analytes

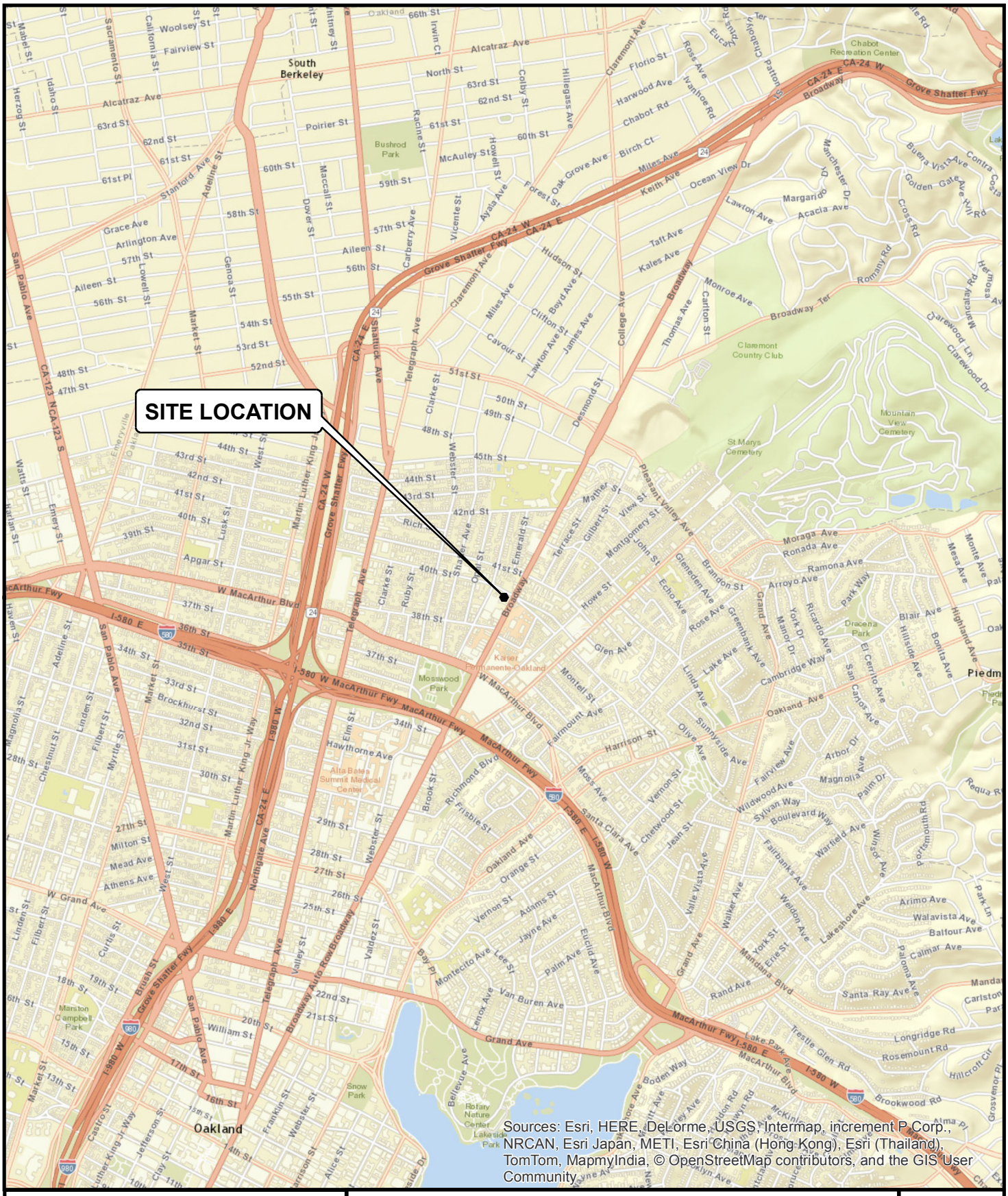
Charts

Chart 1 - Hydrograph for Well MW-1
Chart 2 - Hydrograph for Well MW-2
Chart 3 - Hydrograph for Well MW-3
Chart 4 - Hydrograph for Well MW-4
Chart 5 - Hydrograph for Well MW-5
Chart 6 - Hydrograph for Well MW-6
Chart 7 - Hydrograph for Well MW-7
Chart 8 - Hydrograph for Well MW-8
Chart 9 - Hydrograph for Well MW-9
Chart 10 - Hydrograph for Well MW-10
Chart 11 - Hydrograph for Well MW-11
Chart 12 - Hydrograph for Well MW-12
Chart 13 - Hydrograph for Well RW-1

Attachments

Attachment 1 - Field Procedures and Field Logs
Attachment 2 - Laboratory Analytical Report and Chain-of-Custody Documentation

Figures



AECOM ENVIRONMENT
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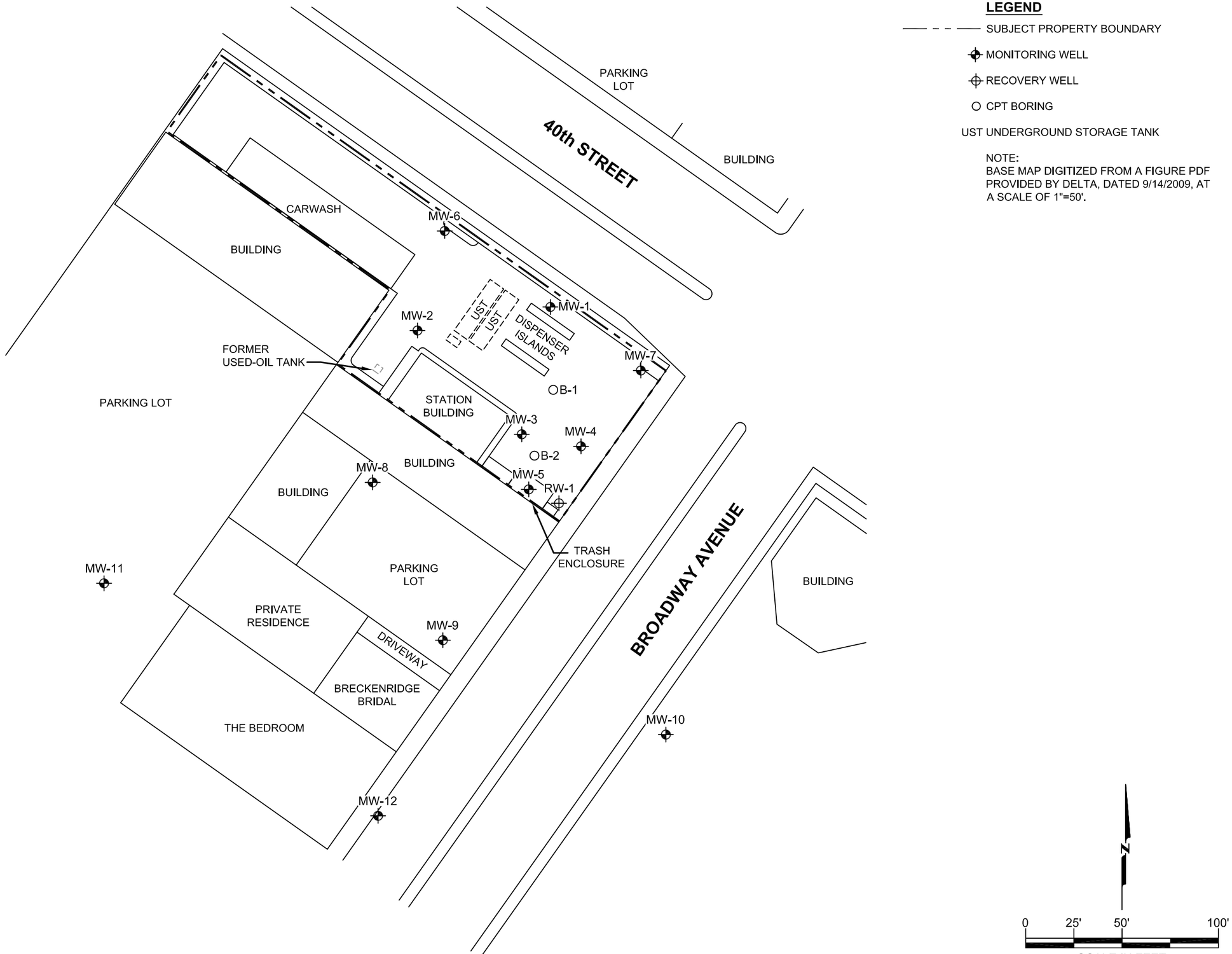
SITE LOCATION MAP

Union Oil Station No. 0746 (351647)
3943 Broadway
Oakland, California

FIGURE NUMBER:
1

DRAWN BY:	DATE:	PROJECT NUMBER:	SHEET NUMBER:
M. Scop	10/23/2015	60439891	1 of 1

Document Path: J:\Client-Projects\76_Products\351647_0746_Oakland_3943_Broadway\900-CAD-GIS\920 GIS-Graphics\Figure 1 Site Location Map.mxd



LEGEND

- SUBJECT PROPERTY BOUNDARY
- MONITORING WELL
- RECOVERY WELL
- CPT BORING

UST UNDERGROUND STORAGE TANK

NOTE:
BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 9/14/2009, AT A SCALE OF 1"=50'.

REVISION	NO.	DESCRIPTION	DATE	BY

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
TQ	TQ	DF	CR

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SITE PLAN

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 50'	01/14/2016	60439891

FIGURE NUMBER:
2

SHEET NUMBER:
1 of 1

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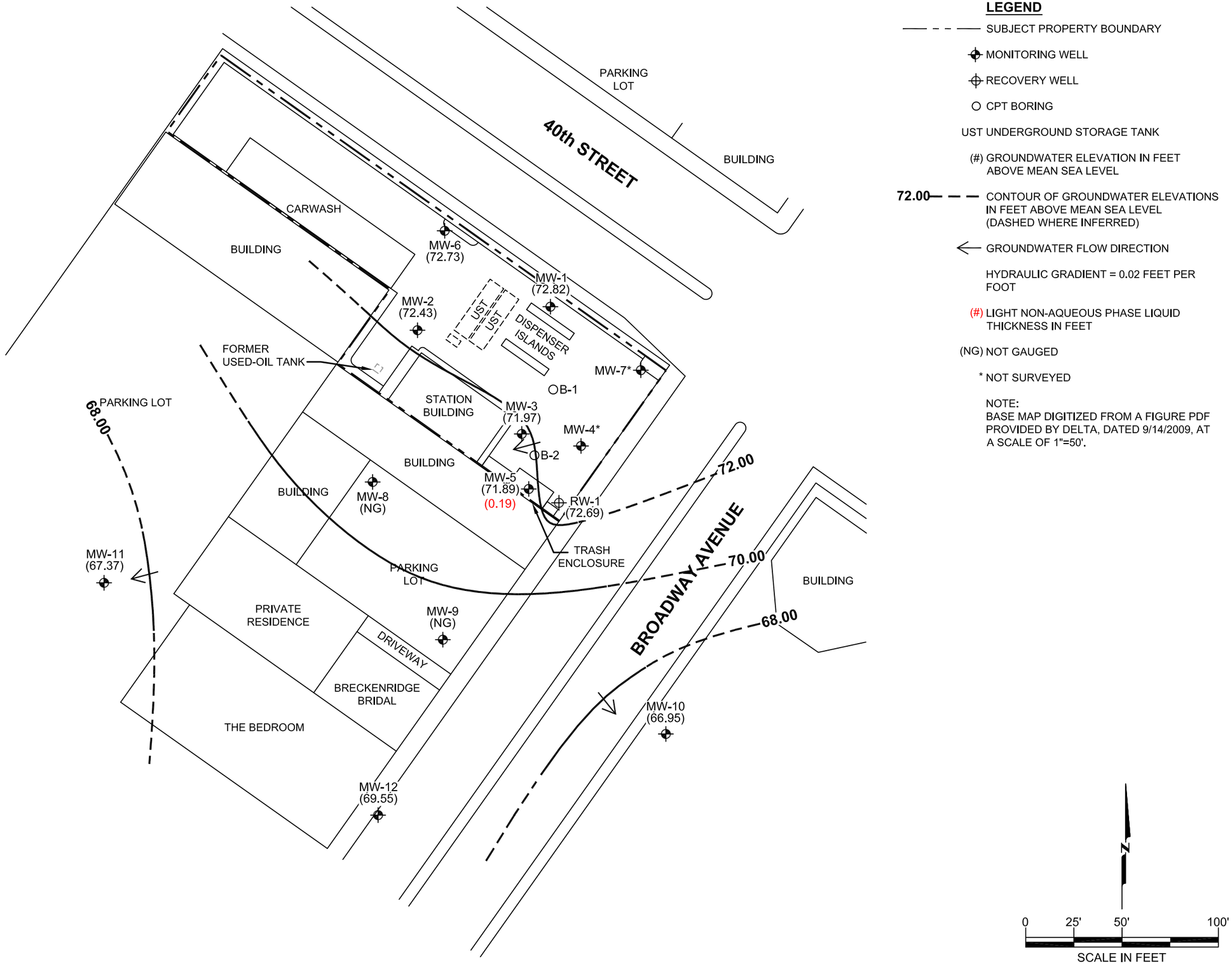

LEGEND

- SUBJECT PROPERTY BOUNDARY
- MONITORING WELL
- RECOVERY WELL
- CPT BORING
- UST UNDERGROUND STORAGE TANK
- (#) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 72.00 CONTOUR OF GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- HYDRAULIC GRADIENT = 0.02 FEET PER FOOT
- (#) LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS IN FEET
- (NG) NOT GAUGED
- * NOT SURVEYED

NOTE:
BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 9/14/2009, AT A SCALE OF 1"=50'.

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SECOND SEMI-ANNUAL 2015 GROUNDWATER ELEVATION MAP

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE: 1" = 50'
DATE: 01/14/2016
PROJECT NUMBER: 60439891

FIGURE NUMBER: 3

SHEET NUMBER: 1 of 1

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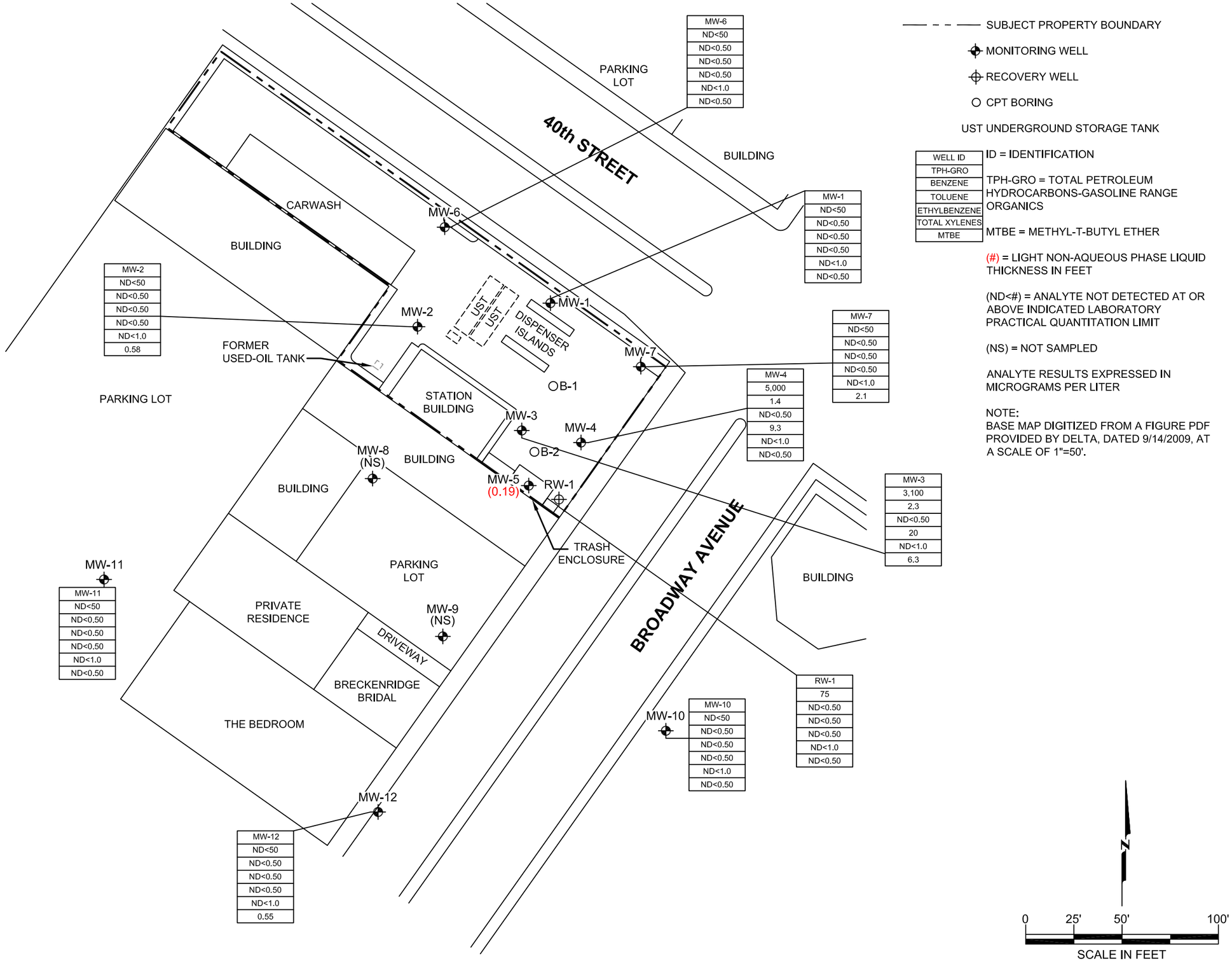

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SECOND SEMI-ANNUAL 2015 GROUNDWATER ANALYTICAL DATA MAP

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 50'	01/14/2016	60439891

FIGURE NUMBER:
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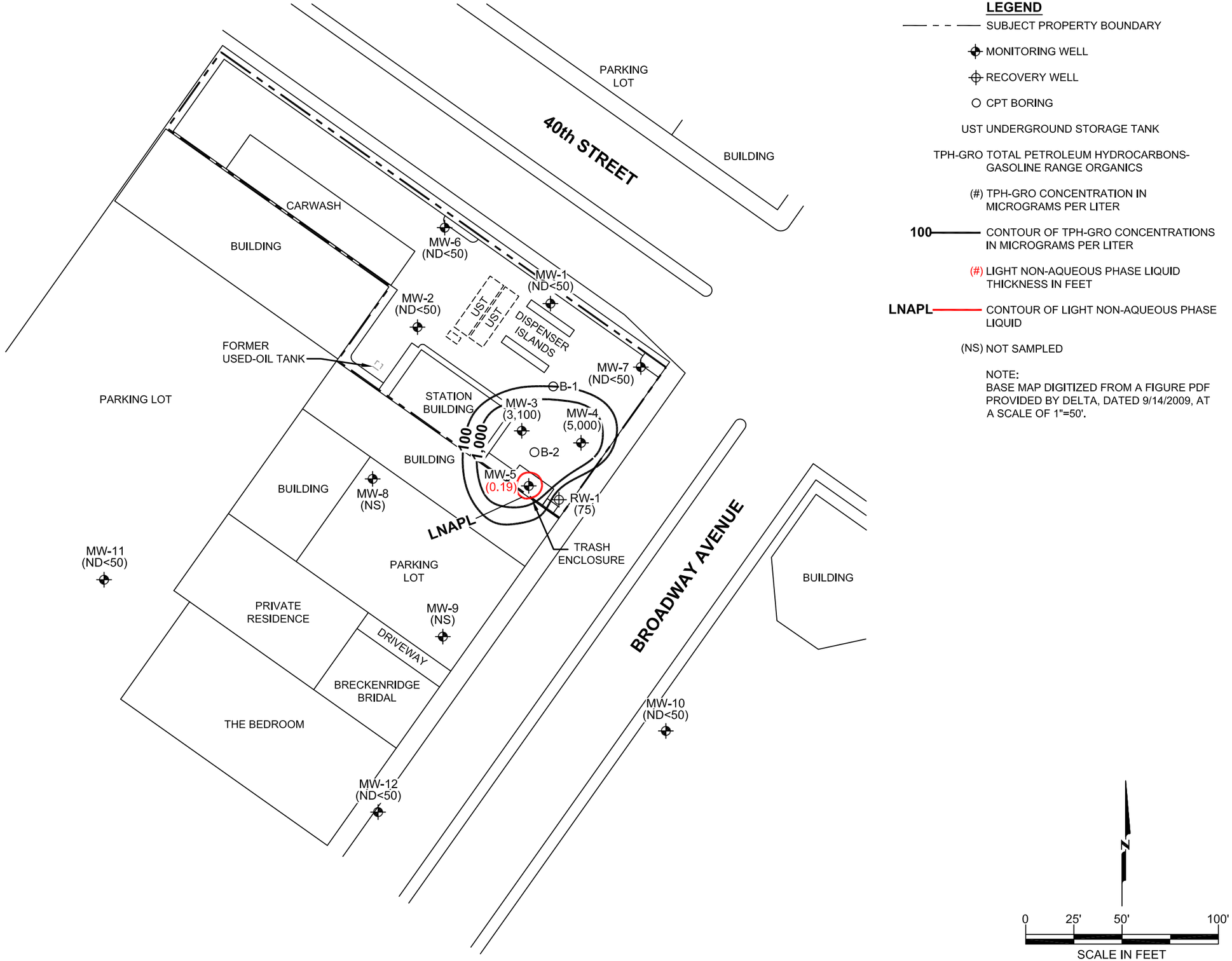

LEGEND

- SUBJECT PROPERTY BOUNDARY
- MONITORING WELL
- RECOVERY WELL
- CPT BORING
- UST UNDERGROUND STORAGE TANK
- TPH-GRO TOTAL PETROLEUM HYDROCARBONS-GASOLINE RANGE ORGANICS
- (#) TPH-GRO CONCENTRATION IN MICROGRAMS PER LITER
- 100 CONTOUR OF TPH-GRO CONCENTRATIONS IN MICROGRAMS PER LITER
- (#) LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS IN FEET
- LNAPL CONTOUR OF LIGHT NON-AQUEOUS PHASE LIQUID
- (NS) NOT SAMPLED

NOTE:
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SECOND SEMI-ANNUAL 2015 TPH-GRO CONCENTRATION MAP

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE: 1" = 50'
DATE: 01/14/2016
PROJECT NUMBER: 60439891

FIGURE NUMBER: 5

SHEET NUMBER: 1 of 1

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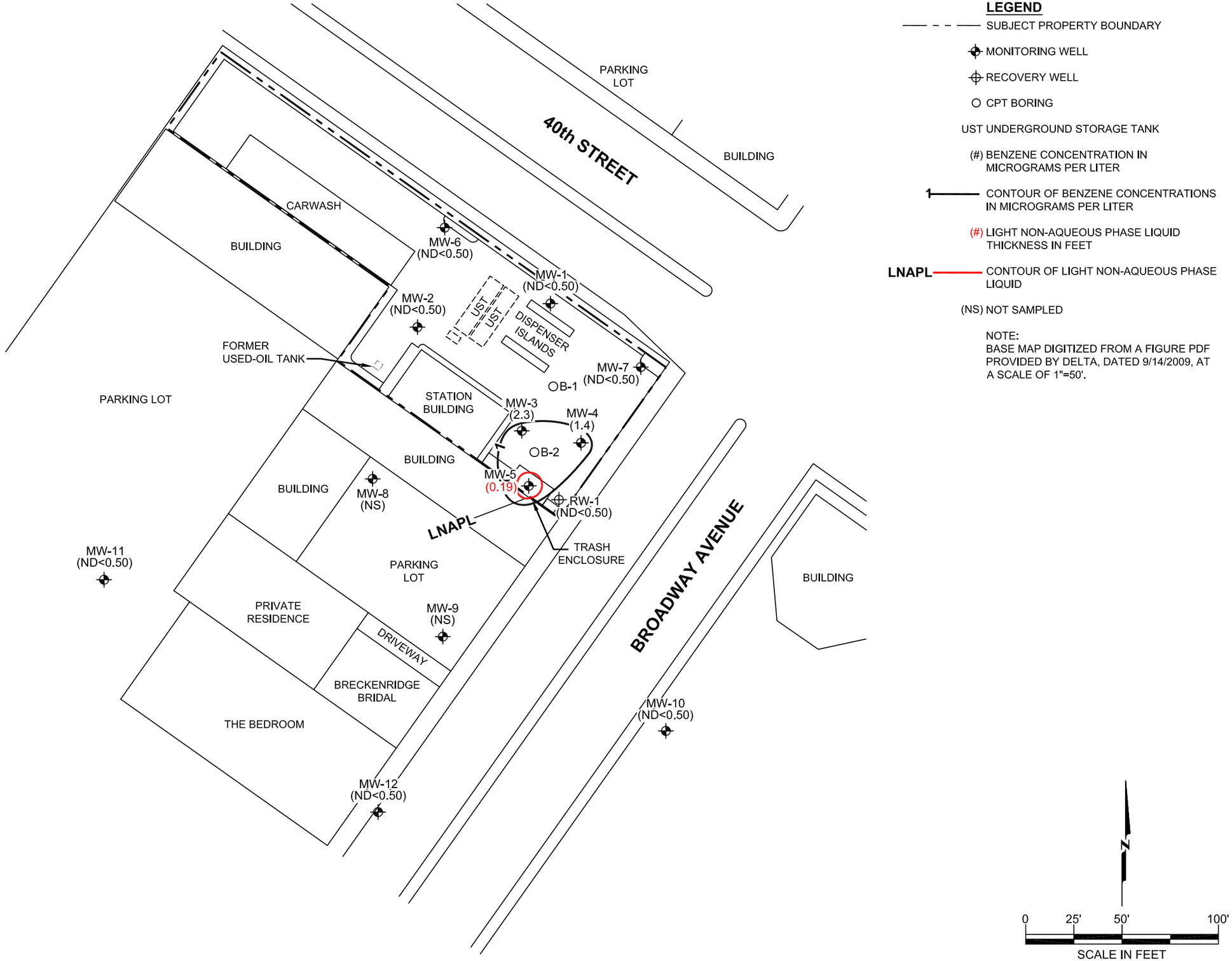

LEGEND

- SUBJECT PROPERTY BOUNDARY
- MONITORING WELL
- RECOVERY WELL
- CPT BORING
- UST UNDERGROUND STORAGE TANK
- (#) BENZENE CONCENTRATION IN MICROGRAMS PER LITER
- 1 CONTOUR OF BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER
- (#) LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS IN FEET
- LNAPL CONTOUR OF LIGHT NON-AQUEOUS PHASE LIQUID
- (NS) NOT SAMPLED

NOTE:
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SECOND SEMI-ANNUAL 2015 BENZENE CONCENTRATION MAP

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE: 1" = 50'
DATE: 01/14/2016
PROJECT NUMBER: 60439891

FIGURE NUMBER: 6

SHEET NUMBER: 1 of 1

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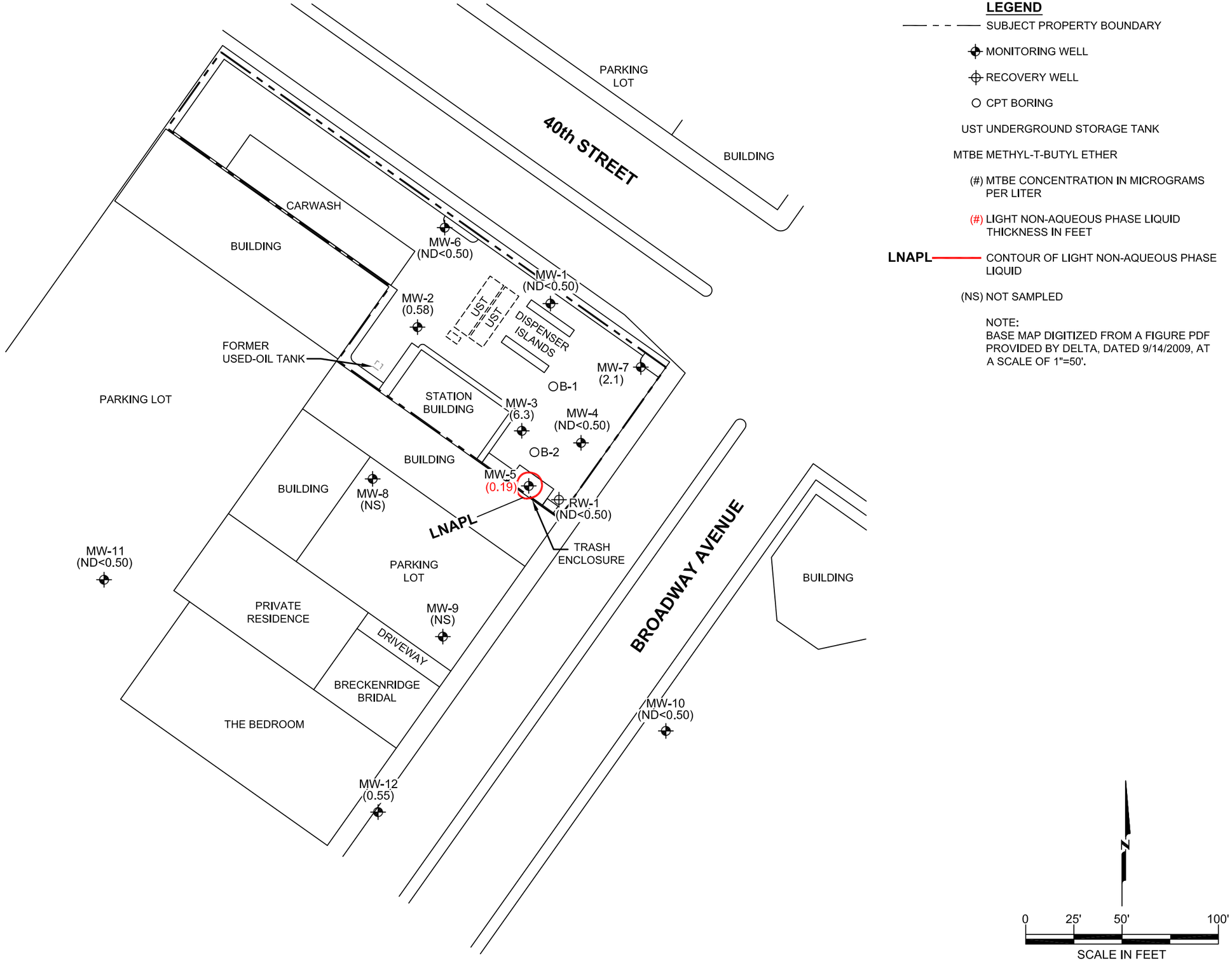

LEGEND

- SUBJECT PROPERTY BOUNDARY
- MONITORING WELL
- RECOVERY WELL
- CPT BORING
- UST UNDERGROUND STORAGE TANK
- MTBE METHYL-T-BUTYL ETHER
- (#) MTBE CONCENTRATION IN MICROGRAMS PER LITER
- (#) LIGHT NON-AQUEOUS PHASE LIQUID THICKNESS IN FEET
- LNAPL — CONTOUR OF LIGHT NON-AQUEOUS PHASE LIQUID
- (NS) NOT SAMPLED

NOTE:
BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 9/14/2009, AT A SCALE OF 1"=50'.

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
TQ	TQ	DF	CR

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SECOND SEMI-ANNUAL 2015 MTBE CONCENTRATION MAP

76 STATION NO. 0746 (351647)
3943 BROADWAY AVENUE
OAKLAND, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 50'	01/14/2016	60439891

FIGURE NUMBER:
7

SHEET NUMBER:
1 of 1

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Tables

Table 1
Well Construction Details
76 Station No. 0746 (351647)
3943 Broadway Avenue
Oakland, California

WELL ID	INSTALLATION DATE	TOC (feet amsl)	BORING DEPTH (feet bgs)	WELL DEPTH (feet bgs)	BORING DIAMETER (inches)	WELL DIAMETER (inches)	SCREEN INTERVAL (feet bgs)	SCREEN SIZE (inches)	SAND FILTER PACK	SCREEN ZONE WITHIN SOIL TYPE	LOCATION	STATUS
MW-1	10/17/1989	81.07	20	20	9	2	5-20	0.020	#3	(5-7.5)CH (7.5-10)SC (10-12)GC (12-14)GP/GC (14-19)CH (19-20)GC	On-site	Active
MW-2	10/17/1989	81.62	20	20	9	2	5-20	0.020	#3	(5-6.5)CH (6.5-10)CL/CH (10-13)SC (13-15)GW/GC (15-20)CL/CH	On-site	Active
MW-3	10/17/1989	82.01	22.5	22.5	9	2	5-22.5	0.020	#3	(5-7.5)CH (7.5-11)CL/CH (11-14)SC (14-	On-site	Active
MW-4	1/26/1990	81.48	20	20	9	2	5-20	0.020	#3	(5-6.5)MH (6.5-10)CH (10-11.5)GC (11.5-12.5)CH (12.5-13)GC (13-20)CH	On-site	Active
MW-5	1/26/1990	81.59	20	20	9	2	5-20	0.020	#3	(6.5-11)CH (11-13.5)SC (13.5-15.5)GW/GC (15.5-20)CH	On-site	Active
MW-6	10/22/1990	80.47	20	20	9	2	5-20	0.020	#3	(5-7)CL/CH (7-10)GC (10-17)CL/CH (17-20)ML/MH	On-site	Active
MW-7	10/22/1990	81.83	20	20	9	2	5-20	0.020	#3	(5-7)CH (7-10)CL/CH (10-11.5)SC (11.5-12.5)GW (12.5-14)GC (14-20)ML/MH	On-site	Active
MW-8	10/22/1990	81.71	22	22	9	2	5-22	0.020	#3	(5-8.5)CL/CH (8.5-12)GC (12-22)CL/CH	Off-site	Active
MW-9	10/23/1990	81.13	22	22	9	2	5-22	0.020	#3	(5-5.5)MH (5.5-11.5)CL/CH (11.5-15.5)GC	Off-site	Active
MW-10	1/7/1992	81.90	22	22	9	2	6-22	0.010	#2/16	(6-7)SM (7-10)CH (10-12)GC (12-19)CL (19-20)ML (20-22)SC	Off-site	Active
MW-11	1/7/1992	78.43	21	19	9	2	5-19	0.010	#2/16	(5-8)SC (8-10)GC (10-20)CH (20-21)SW/SM	Off-site	Active

Table 1
Well Construction Details
76 Station No. 0746 (351647)
3943 Broadway Avenue
Oakland, California

WELL ID	INSTALLATION DATE	TOC (feet amsl)	BORING DEPTH (feet bgs)	WELL DEPTH (feet bgs)	BORING DIAMETER (inches)	WELL DIAMETER (inches)	SCREEN INTERVAL (feet bgs)	SCREEN SIZE (inches)	SAND FILTER PACK	SCREEN ZONE WITHIN SOIL TYPE	LOCATION	STATUS
MW-12	6/26/1992	79.89	17.5	17.5	8	2	5-17.5	0.010	#2/12	(5-5.5)MH (5.5-6.5)CL/SC (6.5-8.5)CH (8.5-11.5)GC (11.5-17.5)CL	Off-site	Active
RW-1	6/25/1992	81.20	17.5	17.5	13.5	6	5-15	0.010	#2/12	(5-6.5)MH (6.5-10)CH (10-11)SC (11-12.5)GC (12.5-17)CL (17-17.5)SC	On-site	Active

NOTES:
amsl = Above mean sea level
bgs = Below ground surface
CH = Silty clay
CL = Clay
GC = Clayey gravel
GP = Poorly-graded gravel
GW = Well-graded gravel
ID = Identification
ML = Silty gravel
MH = Clayey silt
SC = Clayey sand
SM = Silty sand
SW = Well-graded sand
TOC = Top of casing

Table 2
Current Groundwater Monitoring Data and Analytical Results
76 Station No. 0746 (351647)
3943 Broadway Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
MW-1	80.54	12/30/2015	7.72	72.82	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-2	81.32	12/30/2015	8.89	72.43	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-3	81.41	12/30/2015	9.44	71.97	0	3,100	2.3	ND<0.50	20	ND<1.0	
MW-4	--	12/30/2015	9.78	--	0	5,000	1.4	ND<0.50	9.3	ND<1.0	
MW-5	81.38	12/30/2015	9.35	71.89	0.19	--	--	--	--	--	
MW-6	79.94	12/30/2015	7.21	72.73	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-7	--	12/30/2015	8.58	--	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-8	81.41	12/30/2015	--	--	--	--	--	--	--	--	
MW-9	80.53	12/30/2015	--	--	--	--	--	--	--	--	
MW-10	81.61	12/30/2015	14.66	66.95	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-11	78.18	12/30/2015	10.81	67.37	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
MW-12	79.61	12/30/2015	10.06	69.55	0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	
RW-1	80.63	12/30/2015	7.94	72.69	0	75	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	

NOTES:

* TOC and GWE are in feet above mean sea level. GWE for wells with LNAPL has been adjusted for LNAPL thickness.

BTEX analyzed by Environmental Protection Agency (EPA) Method 8260B.

TPH-GRO analyzed by EPA Method 8015B.

µg/L = Micrograms per liter

-- = Not available/not sampled

B = Benzene

DTW = Depth to water below TOC

E = Ethylbenzene

ft = Feet

GWE = Groundwater elevation

ID = Identification

LNAPL = Light non-aqueous phase liquid

ND<# = Analyte not detected at or above indicated laboratory practical quantitation limit

QA = Quality assurance/trip blank

T = Toluene

TOC = Top of casing

TPH-GRO = Total petroleum hydrocarbons-gasoline range organics

X = Total xylenes

Table 3
Current Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
Oakland, California

WELL ID	DATE	MTBE (µg/L)	ETHANOL (µg/L)	EDB (µg/L)	EDC (µg/L)
MW-1	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
MW-2	12/30/2015	0.58	ND<250	ND<0.50	ND<0.50
MW-3	12/30/2015	6.3	ND<250	ND<0.50	ND<0.50
MW-4	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
MW-5	12/30/2015	--	--	--	--
MW-6	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
MW-7	12/30/2015	2.1	ND<250	ND<0.50	ND<0.50
MW-8	12/30/2015	--	--	--	--
MW-9	12/30/2015	--	--	--	--
MW-10	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
MW-11	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
MW-12	12/30/2015	0.55	ND<250	ND<0.50	ND<0.50
RW-1	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50
QA	12/30/2015	ND<0.50	ND<250	ND<0.50	ND<0.50

NOTES:
Oxygenate compounds analyzed by Environmental Protection Agency Method 8260B
µg/L = Micrograms per liter
-- = Not available/not sampled
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane
ID = Identification
MTBE = Methyl t-Butyl Ether
ND<# = Analyte not detected at or above indicated laboratory practical quantitation limit
QA = Quality assurance/trip blank

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (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 Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (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**	
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	
	--	5/28/1991	--	--	--	--	ND	ND	ND	ND	ND	

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3943 Broadway Avenue
Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	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	--	--	--	--	--	--	
	81.32	5/20/1999	8.68	72.64	0	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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**	
MW-3	--	11/1/1989	--	--	--	--	13,000	57	48	1.7	120	
	--	2/15/1990	--	--	--	--	20,000	1,700	2,100	750	3,100	
	--	8/16/1990	--	--	--	--	6,800	600	660	760	160	

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	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
	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	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	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	

Table 4
Historical Groundwater Monitoring Data and Analytical Results
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Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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**	
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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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
	--	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	

Table 4
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3943 Broadway Avenue
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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	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**	
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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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**	**--**	**--**	**--**	**--**	**--**	**--**	
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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	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	

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3943 Broadway Avenue
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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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**	
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	--	--	--	--	--	--	
	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	

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Oakland, California

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	--	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	

Table 4
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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	--	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**	
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	--	--	--	--	--	--	
	81.41	6/23/1993	10.36	71.05	0	--	--	--	--	--	--	
	81.41	7/8/1993	10.52	70.89	0	--	--	--	--	--	--	
	81.41	7/22/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	8/11/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	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	--	--	--	--	--	--	
	81.41	9/22/1993	11.13	70.28	0	--	--	--	--	--	--	
	81.41	10/7/1993	10.96	70.45	0	--	--	--	--	--	--	
	81.41	10/28/1993	11.19	70.22	0	--	--	--	--	--	--	
	81.41	11/12/1993	--	--	--	--	--	--	--	--	--	Inaccessible
	81.41	11/30/1993	10.42	70.99	0	--	3,500	18	ND	ND	ND	

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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	
	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	

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	--	--	--	
	81.41	6/1/2012	--	--	--	--	--	--	--	--	--	
	81.41	6/6/2013	--	--	--	--	--	--	--	--	--	
	81.41	12/13/2013	--	--	--	--	--	--	--	--	--	
	81.41	6/23/2014	--	--	--	--	--	--	--	--	--	
	81.41	12/17/2014	--	--	--	--	--	--	--	--	--	
	81.41	6/9/2015	--	--	--	--	--	--	--	--	--	
	81.41	**12/30/2015**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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
	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	--	--	--	--	--	--	
	80.53	7/22/1993	10.10	70.43	0	--	--	--	--	--	--	
	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	--	--	--	--	--	--	
	80.53	10/28/1993	10.68	69.85	0	--	--	--	--	--	--	
	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	

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	80.53	10/11/1994	11.20	69.33	0	--	--	--	--	--	--	
	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	
	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	

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WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	--	--	--	
	80.53	6/1/2012	--	--	--	--	--	--	--	--	--	
	80.53	6/6/2013	--	--	--	--	--	--	--	--	--	
	80.53	12/13/2013	--	--	--	--	--	--	--	--	--	
	80.53	6/23/2014	--	--	--	--	--	--	--	--	--	
	80.53	12/17/2014	--	--	--	--	--	--	--	--	--	
	80.53	6/9/2015	--	--	--	--	--	--	--	--	--	
	80.53	**12/30/2015**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
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	--	--	--	--	--	--	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	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	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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**	
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	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	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**	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
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	
	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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	
	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**	
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	--	--	--	--	--	--	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	

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

WELL ID	TOC* (ft)	DATE	DTW (ft)	GWE* (ft)	LNAPL THICKNESS (ft)	TPH-GRO (8260B)	TPH-GRO (8015B) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	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	--	--	--	--	--	--	
	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**	
QA	**--**	**12/30/2015**	**--**	**--**	**--**	**--**	**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

8015B = Analyzed by EPA Method 8015B

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-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 Avenue
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	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	12/21/2006	--	16	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50
	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	11/5/1996	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--
	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	2/10/1993	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	12/13/2007	--	27	--	ND<500	--	--	--	--	--	--
	6/9/2008	--	19	--	ND<1,200	--	--	--	--	--	--
	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**
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	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	5/4/1998	ND	--	--	--	--	--	--	--	--	--
	11/11/1998	ND	--	--	--	--	--	--	--	--	--
	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	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	--	--	--	--	--	--	--	--	--	--
	9/27/1994	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	6/29/2001	--	--	--	--	--	--	--	--	--	--
	7/17/2001	--	--	--	--	--	--	--	--	--	--
	8/30/2001	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	6/9/2015	--	--	--	--	--	--	--	--	--	--
	12/30/2015	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	12/21/2006	--	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	--	--	--	--	--	--
	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	11/11/1998	--	--	--	--	--	--	--	--	--	--
	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	--	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	6/7/1993	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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	--	--	--	--	--	--	--	--	--	--
	12/13/2013	--	--	--	--	--	--	--	--	--	--
	6/23/2014	--	--	--	--	--	--	--	--	--	--
	12/17/2014	--	--	--	--	--	--	--	--	--	--
	6/9/2015	--	--	--	--	--	--	--	--	--	--
	12/30/2015	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
	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

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	11/29/2004	--	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
	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	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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	--	--	--	--	--	--	--	--	--	--
	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	--	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
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76 Station No. 0746 (351647)
3943 Broadway Avenue
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WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)
	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	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**
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	--	--	--	--	--	--	--	--	--	--

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	8/25/1993	--	--	--	--	--	--	--	--	--	--
	9/22/1993	--	--	--	--	--	--	--	--	--	--
	10/28/1993	--	--	--	--	--	--	--	--	--	--
	11/30/1993	--	--	--	--	--	--	--	--	--	--
	2/16/1994	--	--	--	--	--	--	--	--	--	--
	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**
RW-1	2/24/1993	--	--	--	--	--	--	--	--	--	--

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

Table 5
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Station No. 0746 (351647)
3943 Broadway Avenue
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)
	12/29/2010	--	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
	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**
QA	**12/30/2015**	**--**	**ND<0.50**	**--**	**ND<250**	**--**	**--**	**--**	**ND<0.50**	**--**	**ND<0.50**

NOTES:

µg/L = Micrograms per liter
-- = Not available/not sampled
504 = Analyzed by EPA Method 504
8021 = Analyzed by Environmental Protection Agency (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 = Tert-amyl methyl ether
TBA = Tert-butyl ether

Table 6
LNAPL Recovery Data
76 Station No. 0746 (351647)
3943 Broadway Avenue
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

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

DATE	MW-5	RW-1
11/21/2003	0.032	0
12/18/2003	0.024	0
1/7/2004	0.009	0
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

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

DATE	MW-5	RW-1
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
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**
Total LNAPL Removed (gallons):	**3.909**	**0.010**

NOTES:
LNAPL = Light non-aqueous phase liqui
NA = Not applicable

Table 7
Historical Groundwater Analytical Results - Additional Analytes
76 Station No. 0746 (351647)
3943 Broadway Avenue
Oakland, California

WELL ID	DATE	TOTAL ALKALINITY AS CaCO3 (mg/L)	NITRATE AS NO3 (mg/L)	SULFATE (mg/L)	TOTAL SULFIDE (mg/L)	TOTAL IRON (mg/L)
MW-1	12/9/2011	230	2.4	21	ND<0.050	6,200
MW-2	12/9/2011	--	--	--	--	--
MW-3	12/9/2011	--	--	--	--	--
MW-4	12/9/2011	130	ND<0.090	ND<0.12	ND<0.20	12,000
MW-5	12/9/2011	--	--	--	--	--
MW-6	12/9/2011	--	--	--	--	--
MW-7	12/9/2011	--	--	--	--	--
MW-8	12/9/2011	--	--	--	--	--
MW-9	12/9/2011	--	--	--	--	--
MW-10	12/9/2011	--	--	--	--	--
MW-11	12/9/2011	270	9.8	69	ND<0.050	600
MW-12	12/9/2011	390	0.77	9.9	ND<0.050	1,000
RW-1	12/9/2011	--	--	--	--	--

NOTES:
-- = Not sampled
CaCO3 = Calcium carbonate
ID = Identification
mg/L = Milligrams per liter
ND<# = Analyte not detected at or above indicated laboratory practical quantitation limit
NO3 = Nitrate

Charts

Chart 1 - Hydrograph for Well MW-1

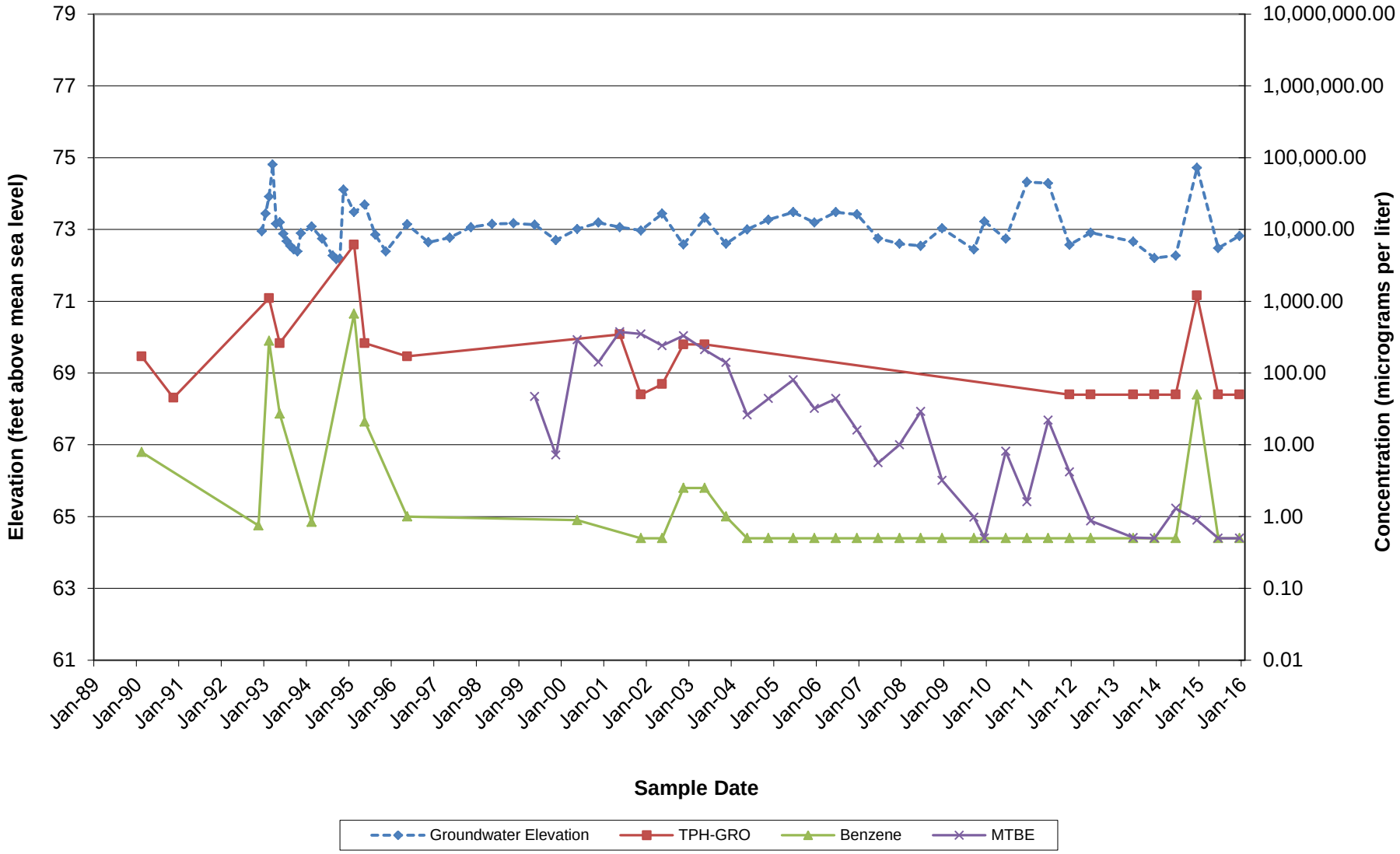


Chart 2 - Hydrograph for Well MW-2

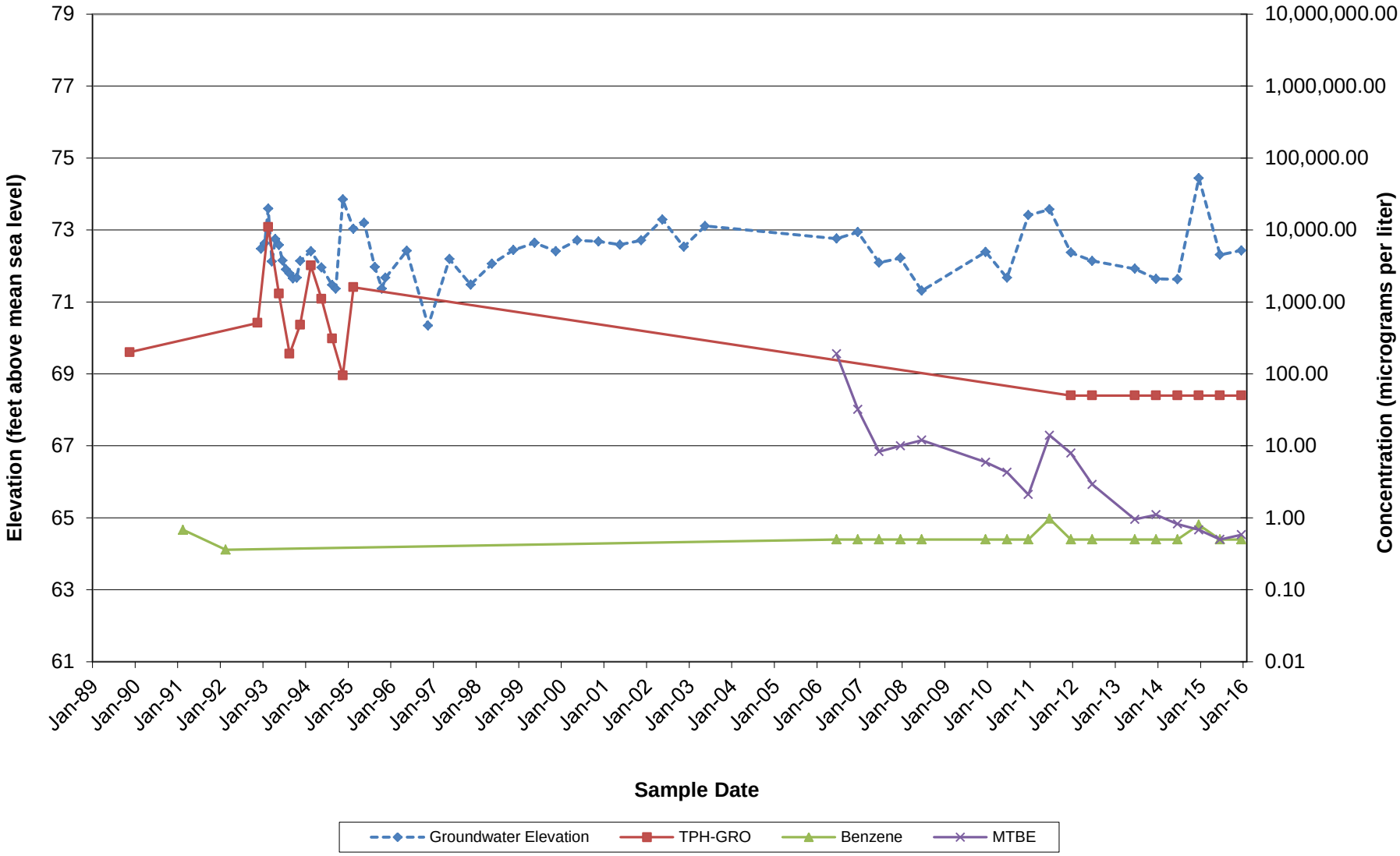


Chart 3 - Hydrograph for Well MW-3

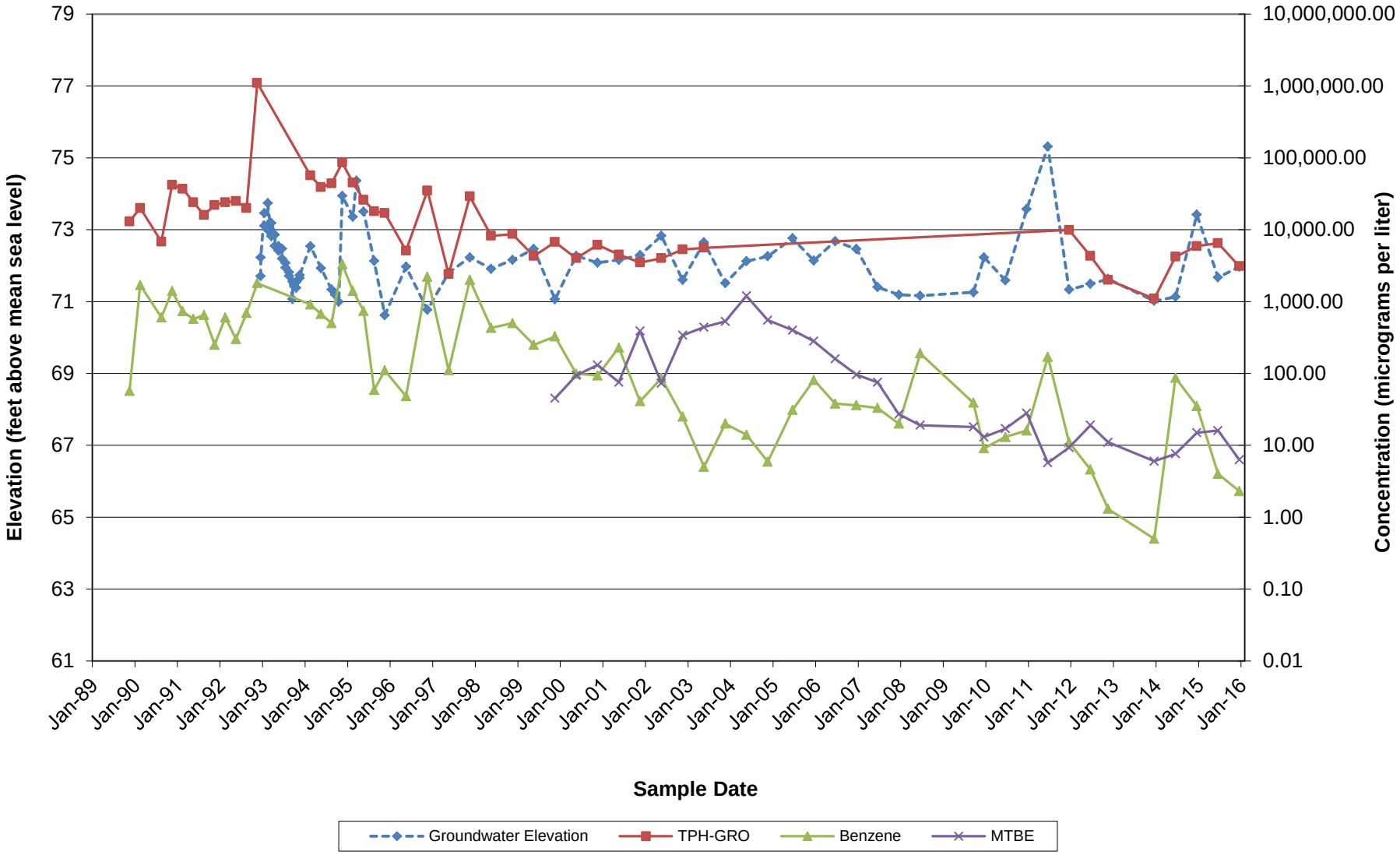


Chart 4 - Hydrograph for Well MW-4

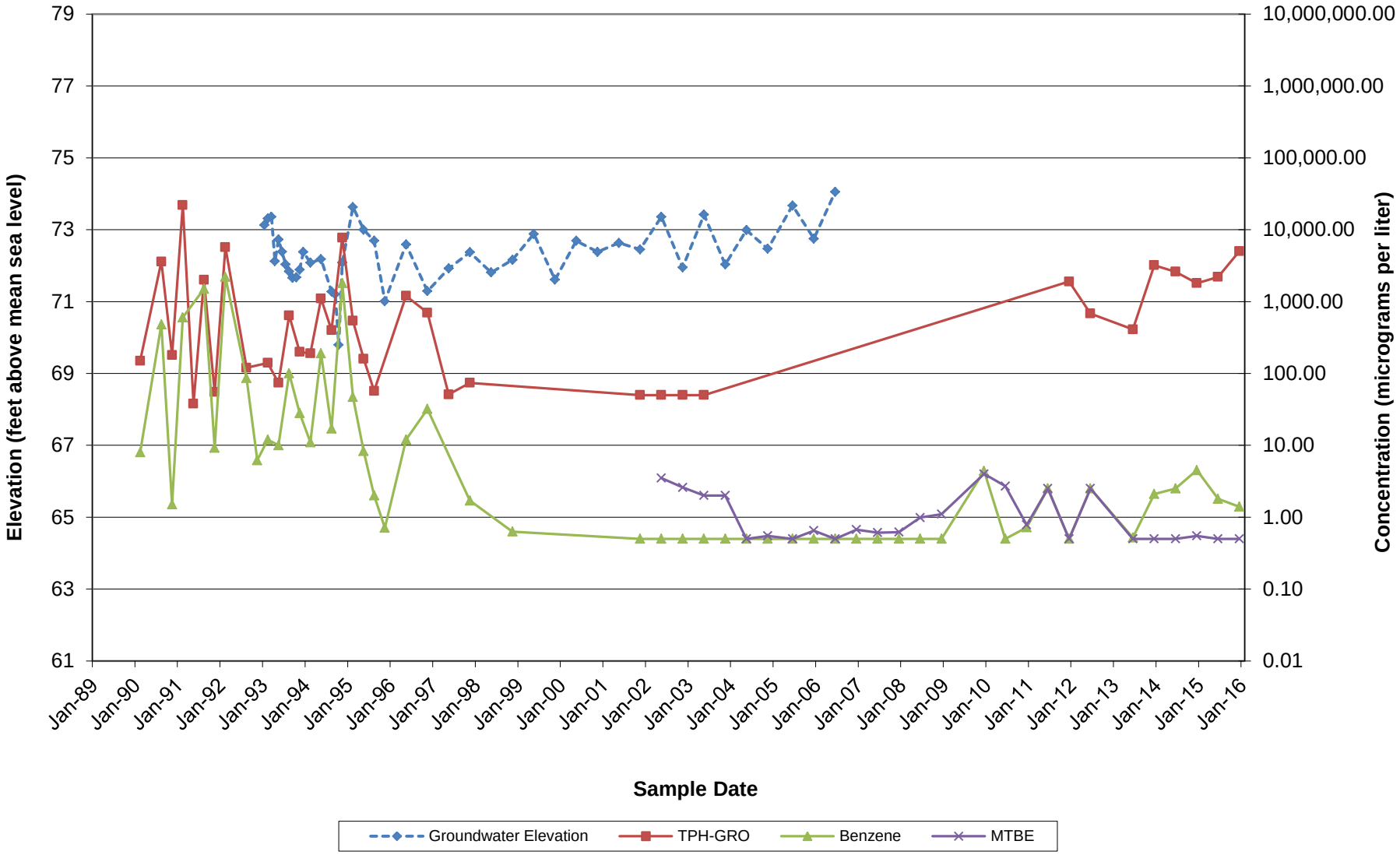


Chart 5 - Hydrograph for Well MW-5

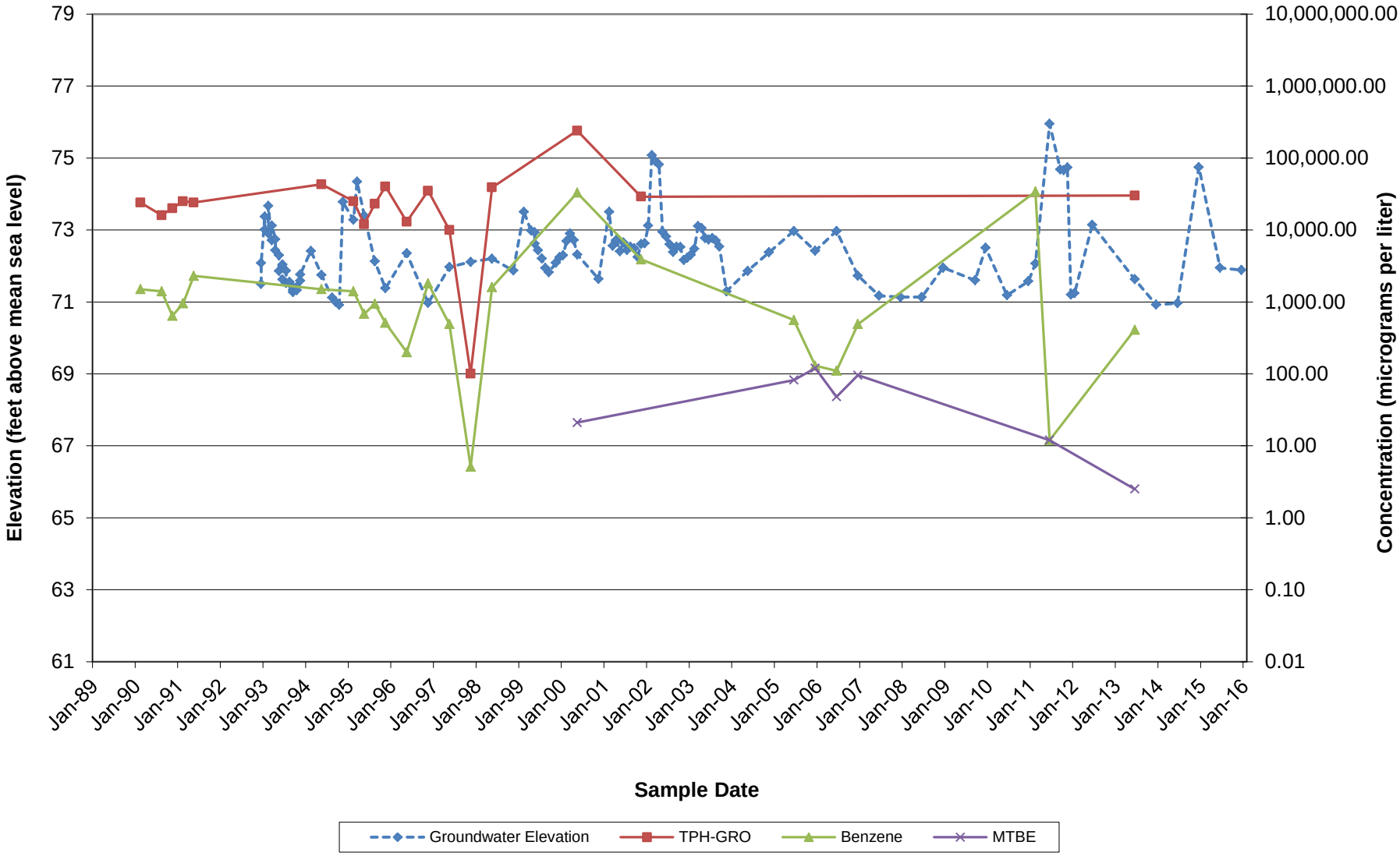


Chart 6 - Hydrograph for Well MW-6

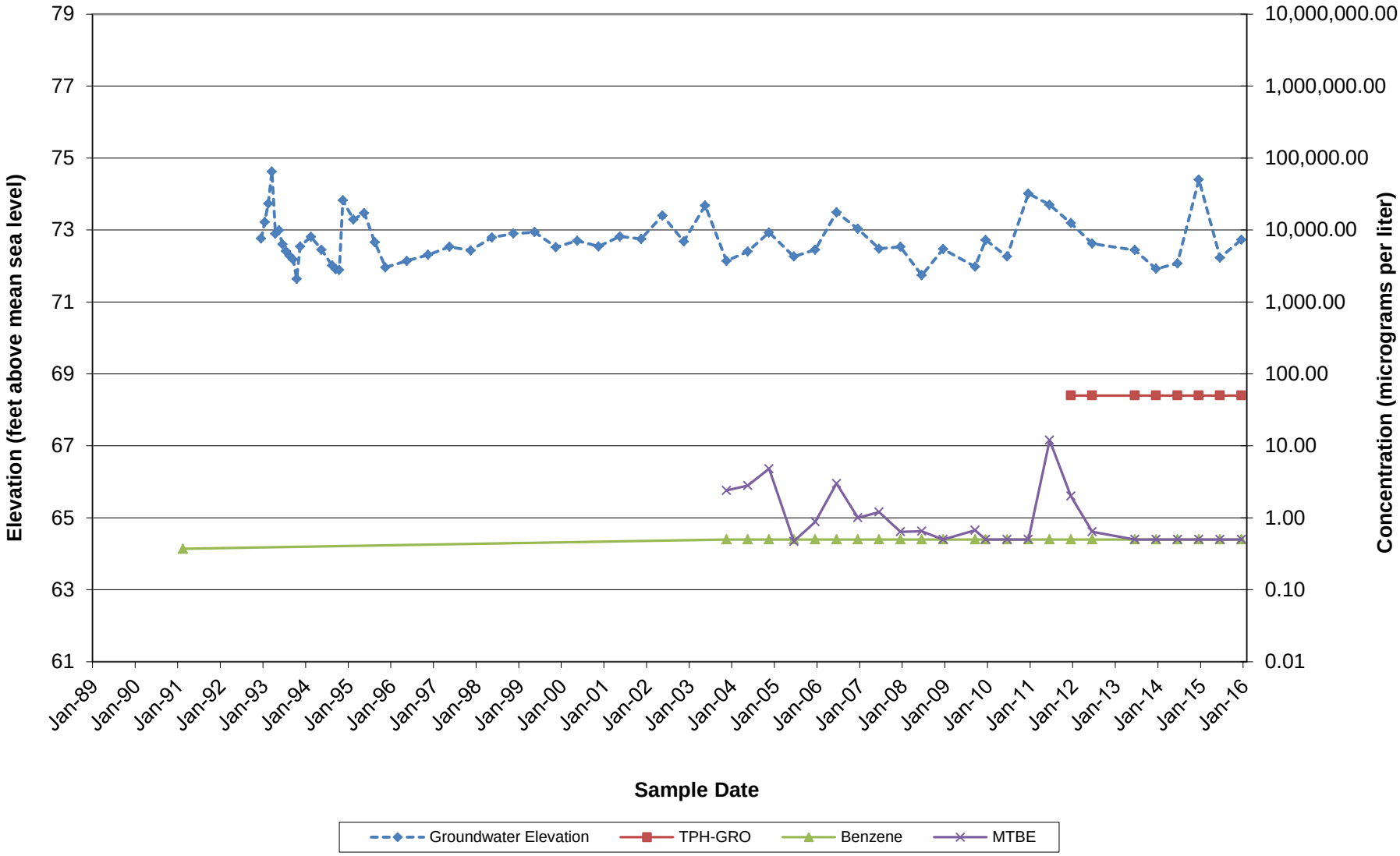


Chart 7 - Hydrograph for Well MW-7

Chart 8 - Hydrograph for Well MW-8

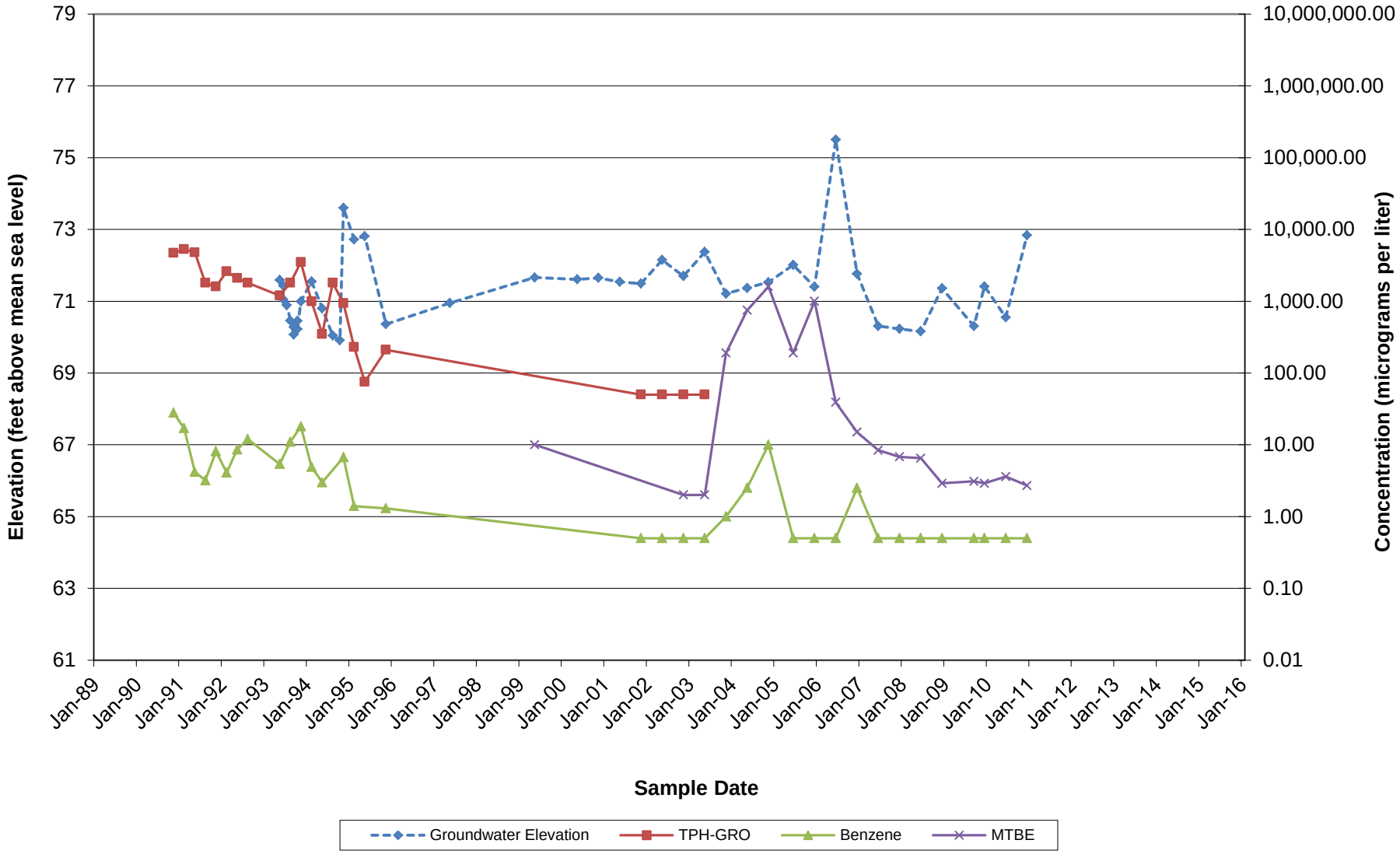


Chart 9 - Hydrograph for Well MW-9

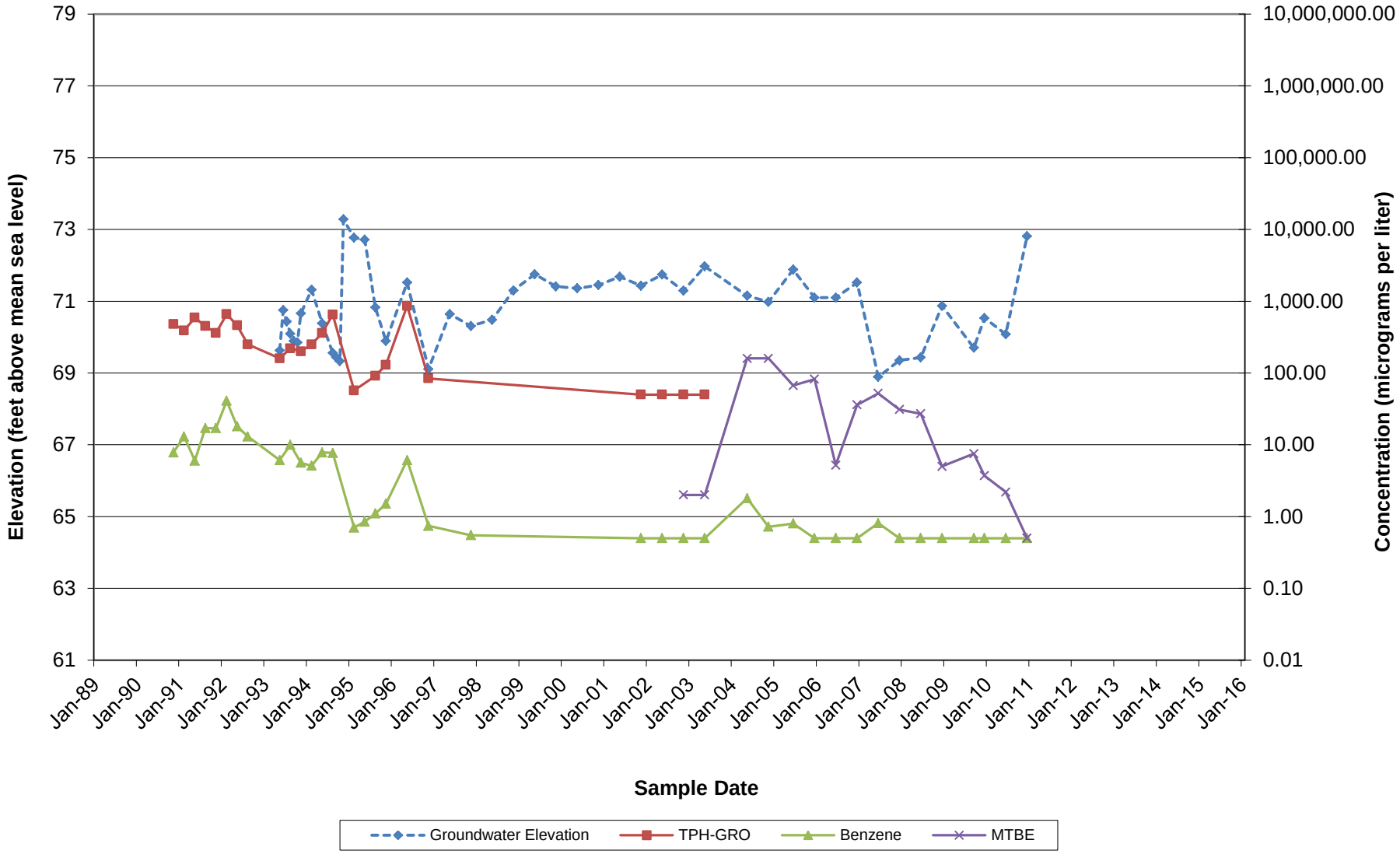


Chart 10 - Hydrograph for Well MW-10

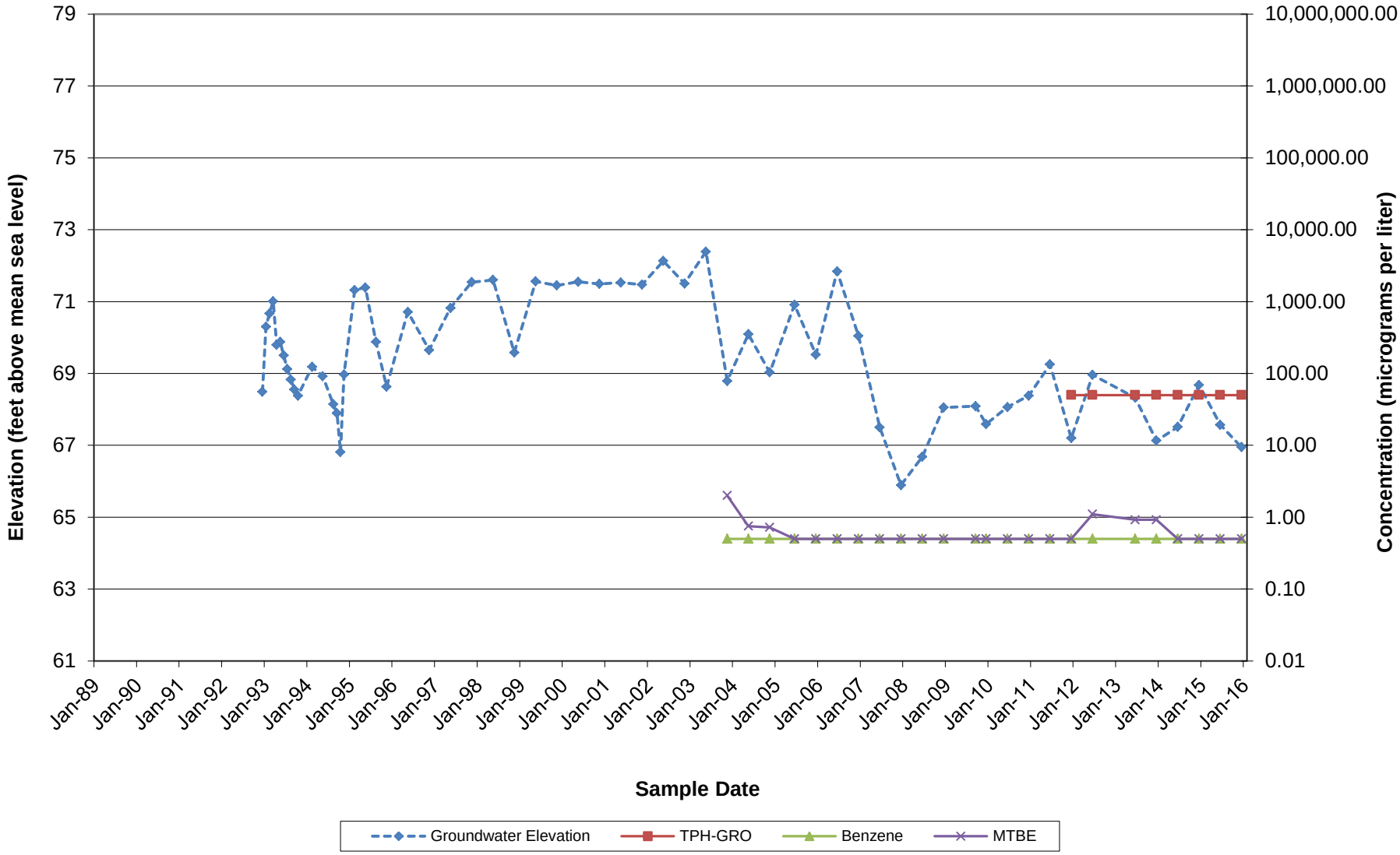


Chart 11 - Hydrograph for Well MW-11

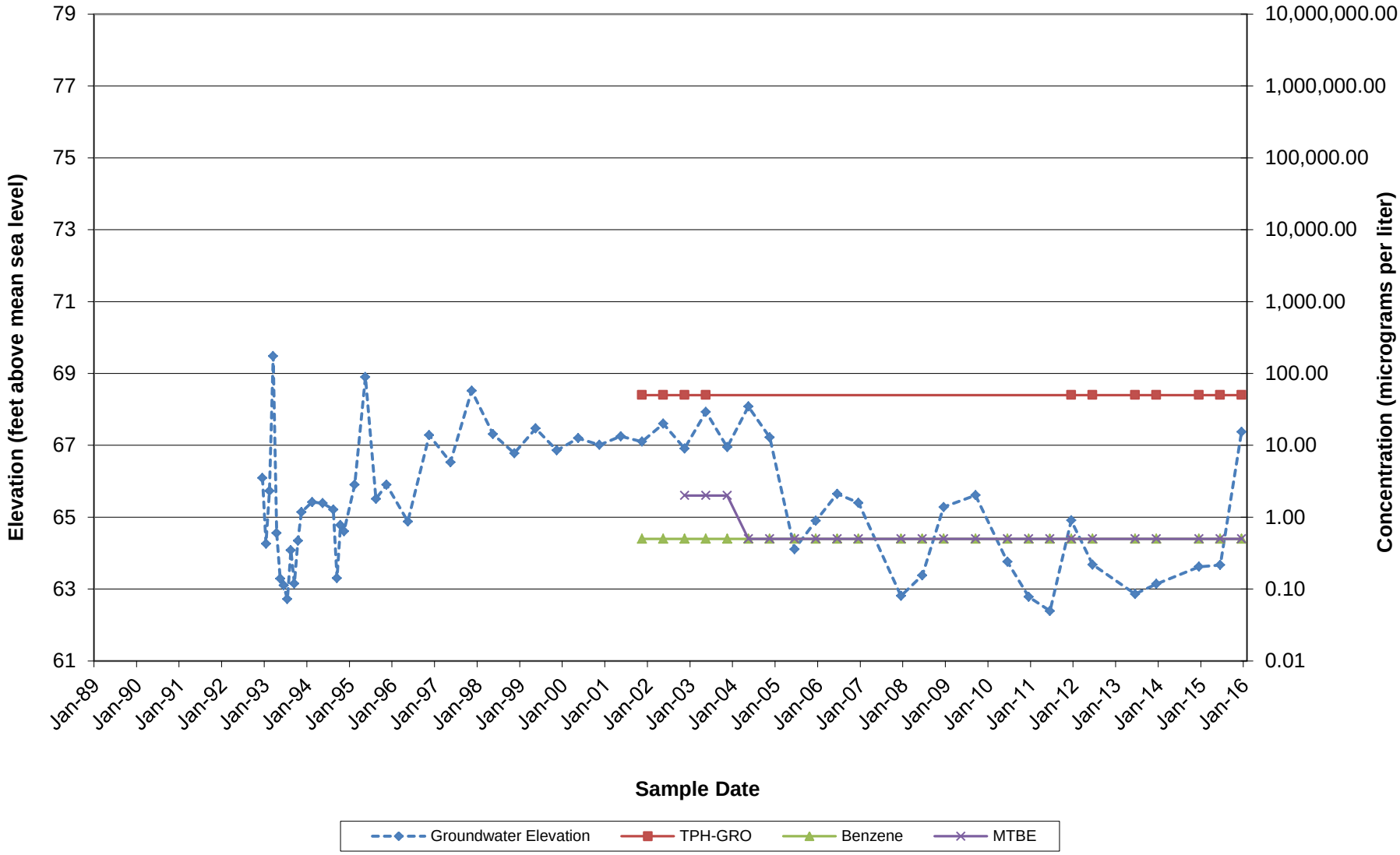


Chart 12 - Hydrograph for Well MW-12

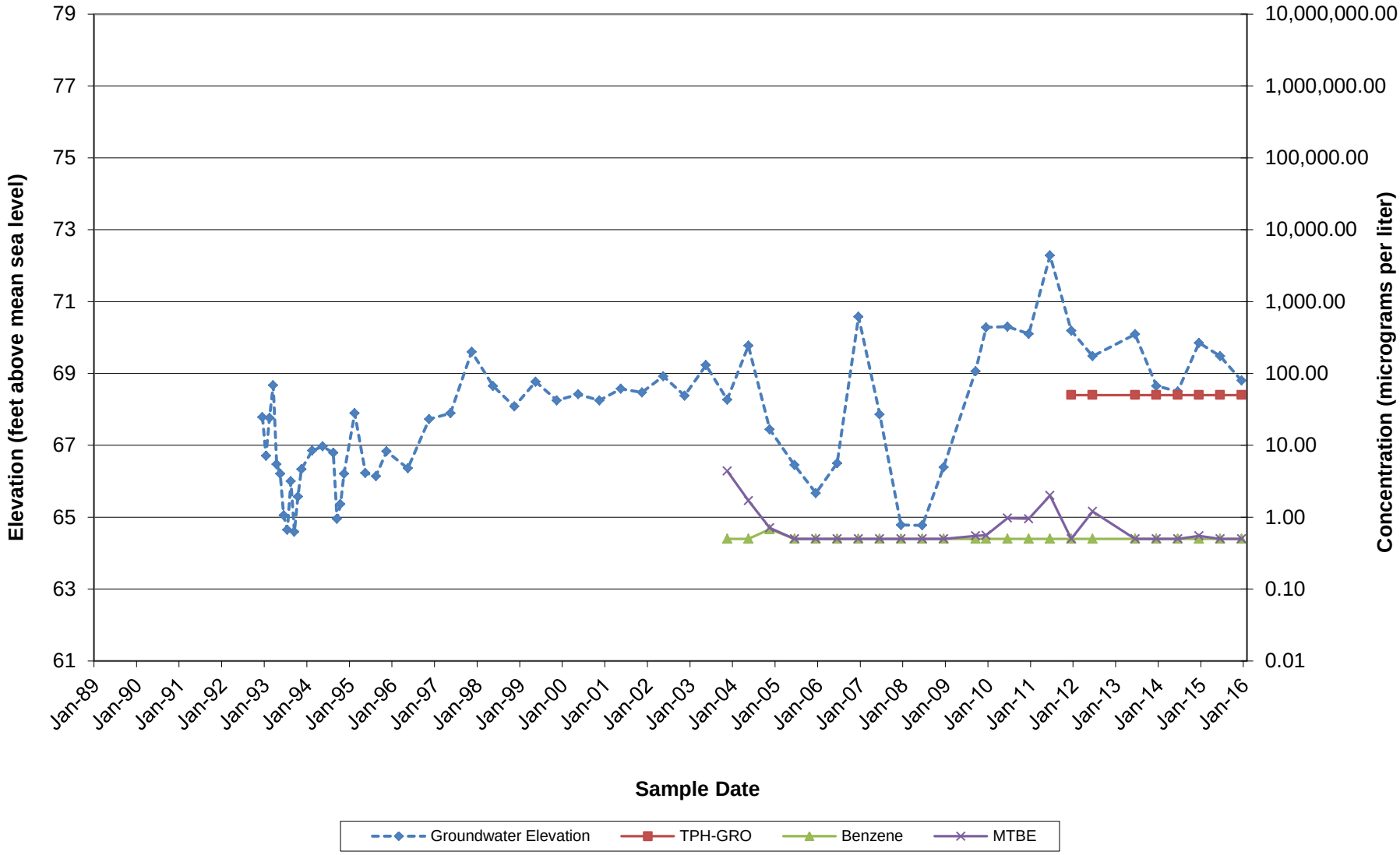
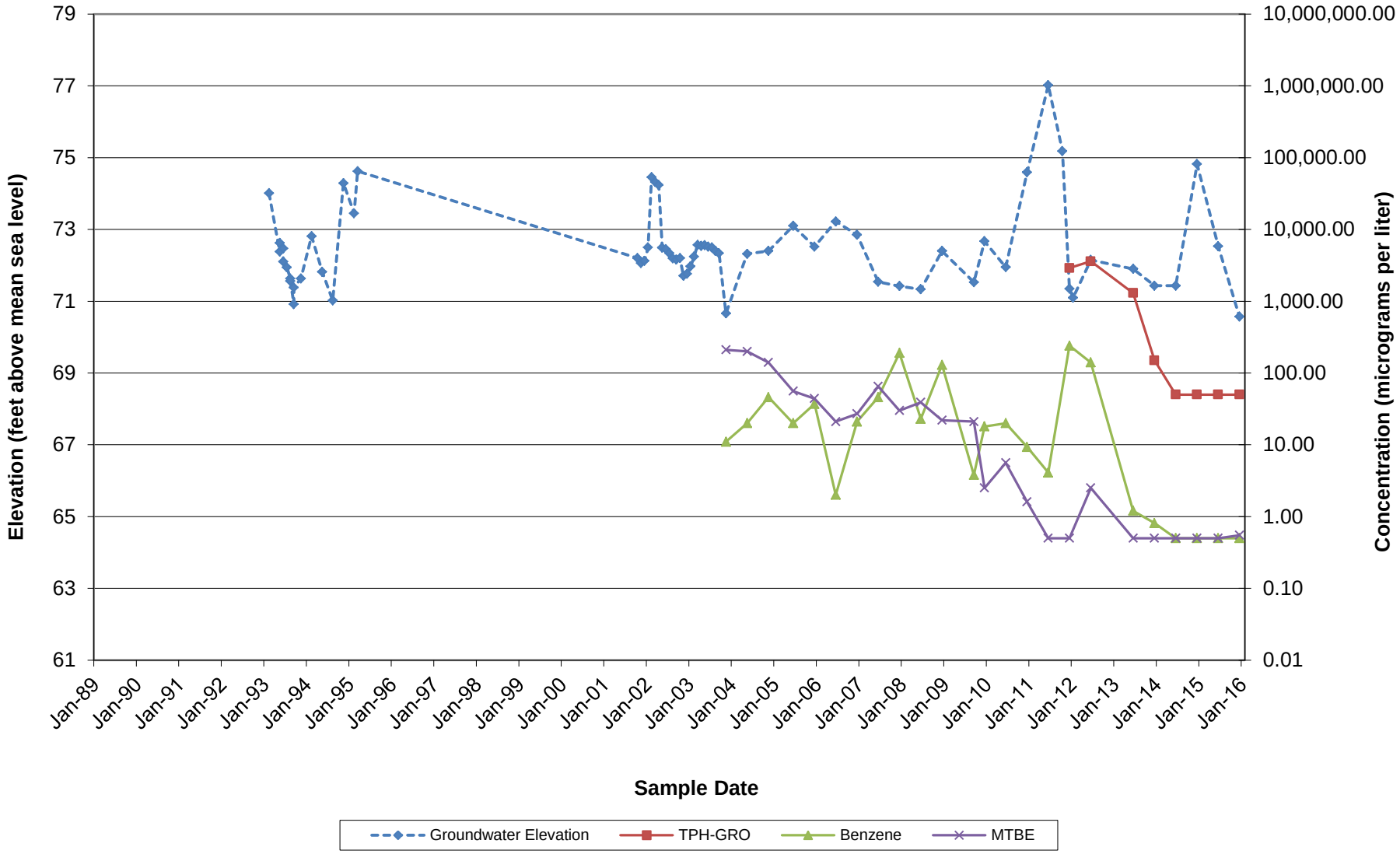


Chart 13 - Hydrograph for Well RW-1



Attachment A

Field Procedures and Field Logs

GETTLER-RYAN INC.

TRANSMITTAL

January 8, 2016
G-R #385648

TO: Mr. Chad Roper
AECOM
1220 Avenida Acaso
Camarillo, California 93012

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 **Second Semi Annual Event of December 30, 2015**

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 0746

WELL CONDITION STATUS SHEET

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

Job #: 385648
Event Date: 12/30/15
Sampler: JM

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	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							N	N	12" Div	N
MW-2	OK									12" emco	
MW-3	OK									8" Div	
MW-4	OK									12" emco	
MW-5	OK										
MW-6	OK										
MW-7	OK										
MW-10	OK			2 x B	OK					8" Universal	
MW-11	OK										
MW-12	OK									8" 13K	
RW-1	OK									18" emco	

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.

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: 385648
Site Address: 3943 Broadway | Event Date: 12/30/15 (inclusive)
City: Oakland, CA | Sampler: JH

Well ID: MW-1 | Date Monitored: 12/30/15
Well Diameter: (2) 6 in.
Total Depth: 54.03 ft.
Depth to Water: 7.72 ft.

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

☐ Check if water column is less then 0.50 ft.

46.31 xVF .17 = 7.87 x3 case volume = Estimated Purge Volume: 23.61 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.98

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0830 | Weather Conditions: Cloudy
Sample Time/Date: 0905 / 12/30/15 | Water Color: Cloud, Odor: (Y) / N Lubs
Approx. Flow Rate: 2 gpm. | Sediment Description: Lubs
Did well de-water? No | If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 16.17

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
0834	8	6.78	617	16.1		
0838	16	6.71	628	16.2		
0842	24	6.64	636	16.3		

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: 385648
Site Address: 3943 Broadway | Event Date: 12/30/15 (inclusive)
City: Oakland, CA | Sampler: JH

Well ID: MW-2 | Date Monitored: 12/30/15
Well Diameter: (2) 6 in.
Total Depth: 19.82 ft.
Depth to Water: 8.89 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.

10.93 xVF .17 = 1.85 x3 case volume = Estimated Purge Volume: 5.57 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.07

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): 0740 | Weather Conditions: Cloudy
Sample Time/Date: 0815 / 12/30/15 | Water Color: Clear | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: None
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 10.27

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS ~~mhos~~/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0745	2	7.03	592	16.0		
0750	4	7.14	615	16.1		
0855	5.5	7.22	628	16.1		

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: 385648
Site Address: 3943 Broadway | Event Date: 12/30/15 (inclusive)
City: Oakland, CA | Sampler: SH

Well ID: MW-3 | Date Monitored: 12/30/15
Well Diameter: (2) 6 in.
Total Depth: 51.59 ft.
Depth to Water: 9.44 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.

42.15 xVF .17 = 7.16 x3 case volume = Estimated Purge Volume: 21.49 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.87

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1110 | Weather Conditions: Cloudy
Sample Time/Date: 1155 / 12/30/15 | Water Color: Cloudy | Odor: (Y) N Strong
Approx. Flow Rate: 1 gpm. | Sediment Description: Light
Did well de-water? No | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 15.89

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1117	7	6.97	922	16.2		
1124	14	6.92	908	16.3		
1131	22	6.85	886	16.4		

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: * Strong odor, sheen Detected During Purging/Sampling *

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: 385648
Site Address: 3943 Broadway | Event Date: 12/30/15 (inclusive)
City: Oakland, CA | Sampler: SH

Well ID: MW-4 | Date Monitored: 12/30/15
Well Diameter: (2) 6 in.
Total Depth: 49.40 ft.
Depth to Water: 9.78 ft.

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

☐ Check if water column is less then 0.50 ft.

39.62 xVF .17 = 6.73 x3 case volume = Estimated Purge Volume: 20.20 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.70

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1015 | Weather Conditions: Cloudy
Sample Time/Date: 1050 / 12/30/15 | Water Color: Cloudy | Odor: (Y) N Moderate
Approx. Flow Rate: 1 gpm. | Sediment Description: Silt
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 15.81

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS / ~~µmhos~~/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1022	7	6.94	929	16.4		
1029	14	6.90	915	16.2		
1036	21	6.83	908	16.2		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: SH

Well ID MW-5 Date Monitored: 12/30/15
Well Diameter (2) 6 in.
Total Depth 50.16 ft.
Depth to Water 9.35 ft.

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

☐ Check if water column is less then 0.50 ft.

40.81 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: 9.16 ft
Depth to Water: 9.35 ft
Hydrocarbon Thickness: .19 ft
Visual Confirmation/Description: Amber
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
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: SPH in Well Skimmer in Well

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: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW-6 Date Monitored: 12/30/15
Well Diameter (2)/6 in.
Total Depth 51.22 ft.
Depth to Water 7.21 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

44.01 xVF .17 = 7.48 x3 case volume = Estimated Purge Volume: 22.44 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.01

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: 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): 0650 Weather Conditions: Cloudy
Sample Time/Date: 0725 / 12/30/15 Water Color: Cloudy Odor: Y / N Light
Approx. Flow Rate: 1-2 gpm. Sediment Description: Light
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 12.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0654	8	6.92	635	16.0		
0658	16	6.90	643	16.0		
0702	23	6.85	659	16.1		

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: 385648
Site Address: 3943 Broadway | Event Date: 12/30/15 (inclusive)
City: Oakland, CA | Sampler: JH

Well ID: MW-7 | Date Monitored: 12/30/15
Well Diameter: (2)/ 6 in.
Total Depth: 49.26 ft.
Depth to Water: 8.58 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

40.68 xVF .17 = 6.91 x3 case volume = Estimated Purge Volume: 20.74 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.71

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

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

Start Time (purge): 0920 | Weather Conditions: Cloudy
Sample Time/Date: 0955 / 12/30/15 | Water Color: Clear Odor: (Y) N Lights
Approx. Flow Rate: 1 — gpm. | Sediment Description: Lights
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 15.72

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0927	7	6.84	727	16.4		
0934	14	6.80	739	16.2		
0941	21	6.72	755	16.3		

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: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW-10 Date Monitored: 12/30/15
Well Diameter (2) 6 in.
Total Depth 21.74 ft.
Depth to Water 14.66 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.

7.08 xVF .17 = 1.20 x3 case volume = Estimated Purge Volume: 3.61 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.07

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: 6 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): 0600 Weather Conditions: Cloudy
Sample Time/Date: 0630 / 12/30/15 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: 1/4"
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 15.11

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0603	1.0	6.94	577	15.9		
0606	2.5	6.87	589	15.9		
0610	4.0	6.81	594	16.0		

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: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: SH

Well ID MW-11 Date Monitored: 12/30/15
Well Diameter (2) 6 in.
Total Depth 19.10 ft.
Depth to Water 10.81 ft.

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

☐ Check if water column is less then 0.50 ft.

8.29 xVF .17 = 1.40 x3 case volume = Estimated Purge Volume: 4.22 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.46

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): 1540 Weather Conditions: Cloudy
Sample Time/Date: 1625 / 12/30/15 Water Color: Clear Odor: (Y) / N Lube
Approx. Flow Rate: — gpm. Sediment Description: None
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1545	1.5	6.39	871	16.5		
1550	3.0	6.47	860	16.4		
1555	4.5	6.64	842	16.2		

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: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: JV

Well ID MW-12 Date Monitored: 12/30/15
Well Diameter (2)/6 in.
Total Depth 17.65 ft.
Depth to Water 10.06 ft. ☐ Check if water column is less then 0.50 ft.

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

7.59 xVF .17 = 1.29 x3 case volume = Estimated Purge Volume: 3.87 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.57

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

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

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

Start Time (purge): 1430 Weather Conditions: Cloudy
Sample Time/Date: 1515 / 12/30/15 Water Color: cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: 1-2 ltr
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 11.21

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)
1435	1.5	6.83	748	16.3		
1440	3.0	6.81	759	16.4		
1445	4.0	6.74	772	16.4		

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: 385648
Site Address: 3943 Broadway Event Date: 12/30/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID RW-1 Date Monitored: 12/30/15
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 7.94 ft. ☐ Check if water column is less then 0.50 ft.
8.40 xVF 1.50 = 12.60 x3 case volume = Estimated Purge Volume: 37.80 gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.62

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

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1315 Weather Conditions: Cloudy
Sample Time/Date: 1400 / 12/30/15 Water Color: Clear Odor: (Y) / N Strong
Approx. Flow Rate: 2 gpm. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 9.03

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1321	12	7.01	429	16.4		
1327	24	6.92	441	16.3		
1334	38	6.74	458	16.2		

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: Evaluated sock in well, Replaced sock into well - No Drum on site.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: J. Herrera	Date: 12/30/15	Project Number: Chevron #351647
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: cloudy

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

2. Condition of sock:

   a. Length of sock showing product saturation: 8"

   b. Length of sock showing dryness: 22"

   c. Color of sock showing product saturation: Black / Brown

   d. Weight of the removed sock: 15.5 oz

   e. Weight of new/clean/dry sock: 9.0 oz

   f. Difference in weight [(d-e) to 0.01 ounces]: 6.5 oz

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: NO DRUM ☐ N/A

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

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: 7.94

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

6. Size and type of sock installed: Reinstalled old Sock

7. Comments: _____

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Union Oil Site ID: 0746	Union Oil Consultant: AECOM	ANALYSES REQUIRED	
Site Global ID: T0600101471	Consultant Contact: C. Roper		Turnaround Time (TAT): Standard ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐
Site Address: 2943 Broadway Oakland CA	Consultant Phone No.: 805-764-4027		
	Sampling Company: GR inc		
Union Oil PM: N. Arceneaux	Sampled By (PRINT): J. Herzog		Special Instructions: Run 8 oxy's on all 8260 MTBE Hits
Union Oil PM Phone No.: 925-790-6912	Sampler Signature: [signature]		
Charge Code: NWRTB- 0 351647 -0- LAB	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911		

This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

SAMPLE ID

Field Point Name	Matrix	Depth	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)						Notes / Comments
QA	W-S-A		151230	—	2		X	X									
MW-1	W-S-A		↓	0905	6		↓	↓	X		X						
MW-2	W-S-A			0815	↓				↓		↓						
MW-3	W-S-A			1155													
MW-4	W-S-A			1050													
MW-6	W-S-A			0725													Amended COC
MW-7	W-S-A			0955													
MW-10	W-S-A			0630													
MW-11	W-S-A			1625													- add
MW-12	W-S-A			1515													
RW-1	W-S-A		↓	1400	↓		↓	↓	↓		↓						RW-1
	W-S-A																Sample ID

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time:
[signature]	GR inc	12/31/15 1800	[signature]	GR	01-04-16 1400			
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time:**
Getreer-Ryan	Fridge	01-04-16 0700	[signature]	BC Lab	1-4-16 1400			

JLM 1/4/16

GETTLER-RYAN INC.

TRANSMITTAL

October 21, 2015
G-R #385648

TO: Mr. Chad Roper
AECOM
1220 Avenida Acaso
Camarillo, California 93012

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 October 16, 2015**

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 0746

WELL CONDITION STATUS SHEET

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

Job #: 385648
Event Date: 10/16/10
Sampler: SJV

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	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	12" emco	Y
RW-1	OK	—	—	—	—	—	—	↓	↓	18" emco	↓

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.

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: 385648
Site Address: 3943 Broadway Event Date: 10/16/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW-5 Date Monitored: 10/16/15
Well Diameter (2) 6 in.
Total Depth 50.16 ft.
Depth to Water 10.91 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.

39.25 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: 10.56 ft
Depth to Water: 10.91 ft
Hydrocarbon Thickness: .35 ft
Visual Confirmation/Description: Yellow
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 Skimmer in well

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: **385648**

Site Address: **3943 Broadway** Event Date: 10/16/15 (inclusive)

City: **Oakland, CA** Sampler: JW

Well ID RW-1 Date Monitored: 10/16/15

Well Diameter 2 (6) in.

Total Depth 16.34 ft.

Depth to Water 9.58 ft. ☐ Check if water column is less then 0.50 ft.

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

6.76 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: 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): ___ 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 in Well

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: J. Hearn	Date: 10/16/15	Project Number: Chevron #351647
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Foggy

1. Time absorbent sock removed from well for inspection: 0700

2. Condition of sock:

   a. Length of sock showing product saturation: 4"

   b. Length of sock showing dryness: 26"

   c. Color of sock showing product saturation: Brown

   d. Weight of the removed sock: 13.0z

   e. Weight of new/clean/dry sock: 9 oz

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

3. Picture of sock removed from well taken: ☑

4. Sock removed from well deposited into a waste drum: ☐ NO Drum

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

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

   a. Depth to product: Ø

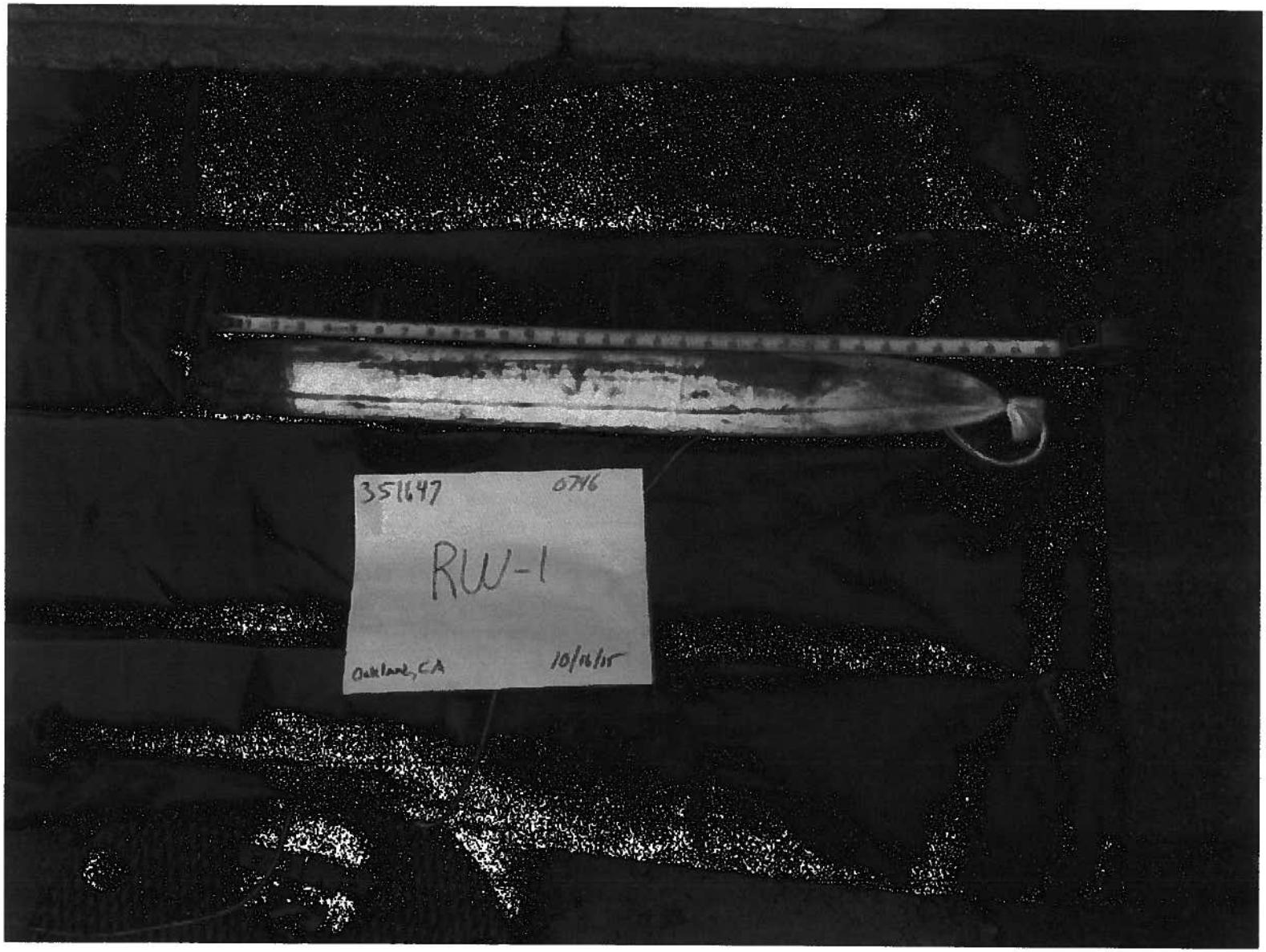
   b. Depth to water: 9.58

   c. Thickness of product (b-a): ——

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

7. Comments: evaluation only

351647 Oakland, 10-16-15 RW-1 sock



10/20/2015 / 15:10:47, IMG 1935

GETTLER-RYAN INC.

TRANSMITTAL

September 11, 2015
G-R #385648

TO: Mr. Chad Roper
AECOM
1220 Avenida Acaso
Camarillo, California 93012

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

RE: Chevron Facility
#351647/0746
3943 Broadway
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Monthly Event of September 2, 2015**

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 0746

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #351647 / 0746

Site Address: 3943 Broadway

City: Oakland, CA

Job #: 385648

Event Date: 9.2.15

Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/(N)	REPLACE CAP Y/(N)	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/(N)
MW5	OK									Emco / 12" / 2	
MW10	OK									Emco / 18" / 2	

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

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: **385648**

Site Address: **3943 Broadway** Event Date: 9.2.15 (inclusive)

City: **Oakland, CA** Sampler: FR

Well ID MW-5 Date Monitored: 9.2.15

Well Diameter (2) 6 in.

Total Depth 30.16 ft.

Depth to Water 10.58 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.

39.58 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: 10.28 ft
Depth to Water: 10.58 ft
Hydrocarbon Thickness: .30 ft
Visual Confirmation/Description: Yes | BLK only
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*

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	9.2.15	Chevron #351647
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: Sunny

1. Time absorbent sock removed from well for inspection: 1230

2. Condition of sock:

   a. Length of sock showing product saturation: [redacted] = 4"

   b. Length of sock showing dryness: 32"

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

   d. Weight of the removed sock: 14.02.

   e. Weight of new/clean/dry sock: N/A

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

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

   a. Depth to product: 0

   b. Depth to water: 9.36

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

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

7. Comments: _____

GETTLER-RYAN INC.

TRANSMITTAL

November 20, 2015
G-R #385648

TO: Mr. Chad Roper
AECOM
1220 Avenida Acaso
Camarillo, California 93012

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 November 12, 2015**

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 0746

WELL CONDITION STATUS SHEET

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

Site Address: **3943 Broadway**

City: **Oakland, CA**

Job #: **385648**

Event Date: 11.12.15

Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retaped	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken (Y)
MW-5	OK						→	N	N	Emco | 12" | 2	
RW-1	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.

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: 385648
Site Address: 3943 Broadway Event Date: 11.12.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 11.12.15
Well Diameter 2 in.
Total Depth 50.16 ft.
Depth to Water 10.40 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.

39.76 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: 10.18 ft
Depth to Water: 10.40 ft
Hydrocarbon Thickness: .22 ft
Visual Confirmation/Description: YES | BRN.
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
SKIMMER IN WELL.

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

GETTLER-RYAN INC.

SORBENT SOCK EVALUATION FORM

Name: FRANK TERMINONI	Date: 11.12.15	Project Number: Chevron #351647
Site Address: 3943 Broadway Oakland, CA	Well ID: RW-1	Weather: SUNNY

1. Time absorbent sock removed from well for inspection: 1015

2. Condition of sock:

   a. Length of sock showing product saturation: 6" [redacted]

   b. Length of sock showing dryness: 28"

   c. Color of sock showing product saturation: BRN.

   d. Weight of the removed sock: —

   e. Weight of new/clean/dry sock: —

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

3. Picture of sock removed from well taken: ☑

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

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

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

   a. Depth to product: 0

   b. Depth to water: 9.18

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

6. Size and type of sock installed: n/a

7. Comments: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 385648
Site Address: 3943 Broadway Event Date: 11.12.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID RW-1 Date Monitored: 11.12.15
Well Diameter 2 (6) in.
Total Depth 16.34 ft.
Depth to Water 9.18 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.

7.16 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

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

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

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

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

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

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

LABORATORY INFORMATION

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

COMMENTS: MONTHLY PRODUCT GAUGING
NO PRODUCT ED DETECTED BY INTERFACE PROBE.
SOCK IN WELL

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

Attachment B

Laboratory Analytical Report and Chain-of-Custody Documentation

Date of Report: 01/07/2016

Chad Roper

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Client Project:	351647
BCL Project:	0746
BCL Work Order:	1600148
Invoice ID:	B223354

Enclosed are the results of analyses for samples received by the laboratory on 1/4/2016. 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

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CHAIN OF CUSTODY FORM

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

COC 1 of 1

Union Oil Site ID: 0746	Union Oil Consultant: AECOM
Site Global ID: T0600101471	Consultant Contact: C. Roper
Site Address: 3943 Broadway Oakland CA	Consultant Phone No.: 805-764-4027
	Sampling Company: GR Inc
Union Oil PM: N. Arceneaux	Sampled By (PRINT): J. Herrera
Union Oil PM Phone No.: 925-790-6912	Sampler Signature:
Charge Code: NWRTB-0 351647-0-LAB 16-00148	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.

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

Special Instructions: Run 8 oxy's 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 GCFID	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)						Notes / Comments
-1 QA	W-S-A		151230	—	2		X	X									
-2 MW-1	W-S-A			0905	6				X		X						
-3 MW-2	W-S-A			0815													
-4 MW-3	W-S-A			1155													
-5 MW-4	W-S-A			1050													
-6 MW-6	W-S-A			0725													
-7 MW-7	W-S-A			0955													
-8 MW-10	W-S-A			0630													
-9 MW-11	W-S-A			1625													
-10 MW-12	W-S-A			1515													
-11 RW-1	W-S-A			1400													
	W-S-A																

CHK BY DISTRIBUTION SUB-OUT ☐

Relinquished By	Company	Date / Time:
[signature]	GRinc	12/30/15 1800
[signature]	GR	01-04-16 1400
Gary Bogen	BCLAB	1-4-16 1830

Received By	Company	Date / Time:
GETTLER-RYAN FRIDGE		01-04-16 0700
Gary Bogen	BCLAB	1-4-16 1400
[signature]	BCLDB	1/4/16 18:30

REL. [signature] 1/4/16 2200 [signature] 1-4-16 2200

Chain of Custody and Cooler Receipt Form for 1600148 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 16-00148

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

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

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

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

COC Received ☒ YES ☐ NO

Emissivity: 0.97 Container: VOA Thermometer ID: 208 Date/Time: 1.4.16 2203

Temperature: (A) 3.0 °C / (C) 2.6 °C Analyst Init DSP

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10/11
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										
4oz EPA 548										
PT EPA 549										
PT EPA 8015M										
PT EPA 8270										
4oz / 16oz / 32oz AMBER										
4oz / 16oz / 32oz JAR										
FOIL SLEEVE										
VOC VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
TERRA CORE KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: M Date/Time: 1.4.16 2310

A = Actual / C = Corrected

Rev 20 07/24/2015

(S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20)

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1600148-01	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-151230	**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:			
1600148-02	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 09:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-1			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1600148-03	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 08:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101471			
	Location ID (FieldPoint): MW-2			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1600148-04	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 11:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1600148-05	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 10:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1600148-06	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 07:25
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1600148-07	**COC Number:**	---	**Receive Date:** 01/04/2016 22:00
	Project Number:	0746	**Sampling Date:** 12/30/2015 09:55
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-7-W-151230	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1600148-08	**COC Number:**	---	**Receive Date:** 01/04/2016 22:00
	Project Number:	0746	**Sampling Date:** 12/30/2015 06:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10-W-151230	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-10
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1600148-09	**COC Number:**	---	**Receive Date:** 01/04/2016 22:00
	Project Number:	0746	**Sampling Date:** 12/30/2015 16:25
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11-W-151230	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-11
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1600148-10	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 15:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-12-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-12	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1600148-11	**COC Number:**	---	**Receive Date:**	01/04/2016 22:00
	Project Number:	0746	**Sampling Date:**	12/30/2015 14:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	RW-1-W-151230	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): RW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-01 | **Client Sample Name:** 0746, QA-W-151230, 12/30/2015 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)	86.4	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/05/16 16:02	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-01 | **Client Sample Name:** 0746, QA-W-151230, 12/30/2015 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)	94.3	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 11:24	AKM	GC-V9	1	BYL2663

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-02 | **Client Sample Name:** 0746, MW-1-W-151230, 12/30/2015 9:05:00AM

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)	91.9	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 00:24	MGC	MS-V5	1	BZA0124

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-02 | **Client Sample Name:** 0746, MW-1-W-151230, 12/30/2015 9:05:00AM

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)	92.7	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 11:45	AKM	GC-V9	1	BYL2663

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-03 | **Client Sample Name:** 0746, MW-2-W-151230, 12/30/2015 8:15:00AM

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	**0.58**	**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)	81.9	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 03:26	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-03 | **Client Sample Name:** 0746, MW-2-W-151230, 12/30/2015 8:15:00AM

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)	98.3	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 12:05	AKM	GC-V9	1	BYL2663

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-04 | **Client Sample Name:** 0746, MW-3-W-151230, 12/30/2015 11:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**2.3**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**20**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**6.3**	**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)	79.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/07/16 00:01	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-04 | **Client Sample Name:** 0746, MW-3-W-151230, 12/30/2015 11:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**3100**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 21:15	AKM	GC-V9	10	BYL2663

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-05 | **Client Sample Name:** 0746, MW-4-W-151230, 12/30/2015 10:50:00AM

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	**9.3**	**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)	85.8	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	107	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 23:39	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-05 | **Client Sample Name:** 0746, MW-4-W-151230, 12/30/2015 10:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**5000**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	118	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 21:35	AKM	GC-V9	10	BYL2663

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-06 | **Client Sample Name:** 0746, MW-6-W-151230, 12/30/2015 7:25:00AM

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)	95.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 05:42	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-06 | **Client Sample Name:** 0746, MW-6-W-151230, 12/30/2015 7:25:00AM

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)	96.2	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 20:54	AKM	GC-V9	1	BYL2663

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-07 | **Client Sample Name:** 0746, MW-7-W-151230, 12/30/2015 9:55:00AM

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	**2.1**	**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)	92.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	83.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 03:49	MGC	MS-V5	1	BZA0108

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Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-07 | **Client Sample Name:** 0746, MW-7-W-151230, 12/30/2015 9:55:00AM

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)	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	01/06/16	01/06/16 12:49	AKM	GC-V9	1	BYL2663

AECOM
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Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-08 | **Client Sample Name:** 0746, MW-10-W-151230, 12/30/2015 6:30:00AM

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)	95.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 04:11	MGC	MS-V5	1	BZA0108

AECOM
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Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-08 | **Client Sample Name:** 0746, MW-10-W-151230, 12/30/2015 6:30:00AM

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)	94.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/06/16	01/06/16 10:26	AKM	GC-V9	1	BZA0134

AECOM
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Camarillo, CA 93012

Reported: 01/07/2016 18:00
Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-09 | **Client Sample Name:** 0746, MW-11-W-151230, 12/30/2015 4:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	91.3	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 04:34	MGC	MS-V5	1	BZA0108

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Project: 0746
Project Number: 351647
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-09 | **Client Sample Name:** 0746, MW-11-W-151230, 12/30/2015 4:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	97.3	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 13:47	AKM	GC-V9	1	BZA0134

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-10 | **Client Sample Name:** 0746, MW-12-W-151230, 12/30/2015 3:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**0.55**	**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)	94.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 04:57	MGC	MS-V5	1	BZA0108

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-10 | **Client Sample Name:** 0746, MW-12-W-151230, 12/30/2015 3:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 14:07	AKM	GC-V9	1	BZA0134

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1600148-11 | **Client Sample Name:** 0746, RW-1-W-151230, 12/30/2015 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	01/05/16	01/06/16 05:20	MGC	MS-V5	1	BZA0108

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1600148-11 | **Client Sample Name:** 0746, RW-1-W-151230, 12/30/2015 2:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**75**	**ug/L**	**50**		**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	97.1	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/05/16	01/05/16 14:28	AKM	GC-V9	1	BZA0134

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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: BZA0108						
Benzene	BZA0108-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BZA0108-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BZA0108-BLK1	ND	ug/L	0.50		
Ethylbenzene	BZA0108-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BZA0108-BLK1	ND	ug/L	0.50		
Toluene	BZA0108-BLK1	ND	ug/L	0.50		
Total Xylenes	BZA0108-BLK1	ND	ug/L	1.0		
Ethanol	BZA0108-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**BZA0108-BLK1**	**89.5**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BZA0108-BLK1**	**98.1**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BZA0108-BLK1**	**86.0**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BZA0124						
Benzene	BZA0124-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BZA0124-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BZA0124-BLK1	ND	ug/L	0.50		
Ethylbenzene	BZA0124-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BZA0124-BLK1	ND	ug/L	0.50		
Toluene	BZA0124-BLK1	ND	ug/L	0.50		
Total Xylenes	BZA0124-BLK1	ND	ug/L	1.0		
Ethanol	BZA0124-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**BZA0124-BLK1**	**89.2**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BZA0124-BLK1**	**99.3**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BZA0124-BLK1**	**88.9**	%	**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: BZA0108										
Benzene	BZA0108-BS1	LCS	23.870	25.000	ug/L	95.5		70 - 130		
Toluene	BZA0108-BS1	LCS	25.350	25.000	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BZA0108-BS1	LCS	9.1000	10.000	ug/L	91.0		75 - 125		
Toluene-d8 (Surrogate)	BZA0108-BS1	LCS	9.7700	10.000	ug/L	97.7		80 - 120		
4-Bromofluorobenzene (Surrogate)	BZA0108-BS1	LCS	9.1600	10.000	ug/L	91.6		80 - 120		
QC Batch ID: BZA0124										
Benzene	BZA0124-BS1	LCS	24.820	25.000	ug/L	99.3		70 - 130		
Toluene	BZA0124-BS1	LCS	24.910	25.000	ug/L	99.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BZA0124-BS1	LCS	9.3400	10.000	ug/L	93.4		75 - 125		
Toluene-d8 (Surrogate)	BZA0124-BS1	LCS	9.4900	10.000	ug/L	94.9		80 - 120		
4-Bromofluorobenzene (Surrogate)	BZA0124-BS1	LCS	8.6700	10.000	ug/L	86.7		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: BZA0108	Used client sample: N										
Benzene	MS	1600155-01	ND	25.650	25.000	ug/L		103		70 - 130	
	MSD	1600155-01	ND	24.680	25.000	ug/L	3.9	98.7	20	70 - 130	
Toluene	MS	1600155-01	ND	27.910	25.000	ug/L		112		70 - 130	
	MSD	1600155-01	ND	27.040	25.000	ug/L	3.2	108	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1600155-01	ND	8.8500	10.000	ug/L		88.5		75 - 125	
	MSD	1600155-01	ND	9.5000	10.000	ug/L	7.1	95.0		75 - 125	
Toluene-d8 (Surrogate)	MS	1600155-01	ND	9.5500	10.000	ug/L		95.5		80 - 120	
	MSD	1600155-01	ND	10.260	10.000	ug/L	7.2	103		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1600155-01	ND	9.4600	10.000	ug/L		94.6		80 - 120	
	MSD	1600155-01	ND	9.1200	10.000	ug/L	3.7	91.2		80 - 120	
QC Batch ID: BZA0124	Used client sample: Y - Description: MW-1-W-151230, 12/30/2015 09:05										
Benzene	MS	1600148-02	ND	24.680	25.000	ug/L		98.7		70 - 130	
	MSD	1600148-02	ND	24.610	25.000	ug/L	0.3	98.4	20	70 - 130	
Toluene	MS	1600148-02	ND	25.710	25.000	ug/L		103		70 - 130	
	MSD	1600148-02	ND	26.810	25.000	ug/L	4.2	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1600148-02	ND	9.1300	10.000	ug/L		91.3		75 - 125	
	MSD	1600148-02	ND	8.5000	10.000	ug/L	7.1	85.0		75 - 125	
Toluene-d8 (Surrogate)	MS	1600148-02	ND	9.6400	10.000	ug/L		96.4		80 - 120	
	MSD	1600148-02	ND	9.8600	10.000	ug/L	2.3	98.6		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1600148-02	ND	9.1500	10.000	ug/L		91.5		80 - 120	
	MSD	1600148-02	ND	9.2000	10.000	ug/L	0.5	92.0		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: BYL2663						
Gasoline Range Organics (C6 - C12)	BYL2663-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BYL2663-BLK1**	**101**	%	**70 - 130 (LCL - UCL)**		
QC Batch ID: BZA0134						
Gasoline Range Organics (C6 - C12)	BZA0134-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BZA0134-BLK1**	**94.3**	%	**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: BYL2663										
Gasoline Range Organics (C6 - C12)	BYL2663-BS1	LCS	1072.9	1000.0	ug/L	107		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BYL2663-BS1	LCS	40.808	40.000	ug/L	102		70 - 130		
QC Batch ID: BZA0134										
Gasoline Range Organics (C6 - C12)	BZA0134-BS1	LCS	913.07	1000.0	ug/L	91.3		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BZA0134-BS1	LCS	36.056	40.000	ug/L	90.1		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: BYL2663	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1532390-22	ND	941.48	1000.0	ug/L		94.1		70 - 130	
	MSD	1532390-22	ND	1125.7	1000.0	ug/L	17.8	113	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1532390-22	ND	40.642	40.000	ug/L		102		70 - 130	
	MSD	1532390-22	ND	39.146	40.000	ug/L	3.7	97.9		70 - 130	
QC Batch ID: BZA0134	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1532390-28	ND	1009.0	1000.0	ug/L		101		70 - 130	
	MSD	1532390-28	ND	976.62	1000.0	ug/L	3.3	97.7	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1532390-28	ND	38.959	40.000	ug/L		97.4		70 - 130	
	MSD	1532390-28	ND	38.628	40.000	ug/L	0.9	96.6		70 - 130	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.