Nicole M. Arceneaux
Project Manager
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March 30, 2015

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **76 Service Station No. 1156 (351645)**
4276 MacArthur Boulevard, Oakland, California

ACEH Fuel Leak Case No. RO0000409
RWQCB Case No. 01-2474
GeoTracker Global ID T0600102279

I have reviewed the attached report dated March 30, 2015.

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,

Digitally signed by
nhmz@chevron.com
Date: 2015.03.30 10:38:23
-07'00'

Nicole Arceneaux
Project Manager

Attachment: *First Quarter 2015 Semiannual Groundwater Monitoring and Sampling Report*

AECOM
1220 Avenida Acaso
Camarillo, California 93012

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

March 30, 2015

Mr. Jerry Wickham, PG, CEG, CHG
Senior Hazardous Materials Specialist
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: First Quarter 2015 Semiannual Groundwater Monitoring and Sampling Report
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard, Oakland, California
Fuel Leak Case No. RO0000409 and GeoTracker Global ID T0600102279

Dear Mr. Wickham:

On behalf of Chevron Environmental Management Company's (EMC's) affiliate, Union Oil Company of California ("Union Oil"), AECOM is pleased to submit this first quarter 2015 semiannual groundwater monitoring and sampling report for the site located at 4276 West MacArthur Boulevard in Oakland, California (**Figure 1**).

The locations of site features are illustrated on **Figure 2**. 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. (GR). This report summarizes results for the groundwater samples collected from the wells associated with the site during the first quarter of 2015.

Groundwater Level Measurements

Well construction details are presented in **Table 1**. Depth to groundwater measurements were recorded for 12 on-site monitoring wells (MW-1B, MW-2B, MW-3B, MW-4B, MW-9A, MW-9B, MW-10A, MW-10B, MW-10S, MW-11A, MW-11B, and MW-11S) and for two off-site monitoring wells (MW-5 and MW-7) on January 27, 2015, and are presented in **Table 2**. Groundwater measurements were used to construct a groundwater elevation contour map included as **Figure 3**. The depth to groundwater ranged from 1.96 (MW-5) to 10.82 (MW-10A) feet below the top of well casings.

The groundwater flow direction on-site was calculated to flow northwest across the site, and southwest off-site with an average hydraulic gradient of approximately 0.06 feet per foot (ft/ft). Groundwater elevation data collected from the recently installed shallow monitoring wells (10S and 11S) are consistent with the determined flow direction and gradient. The groundwater flow direction and gradient are similar to the third quarter 2014 monitoring event (0.06 ft/ft, west-southwest). Copies of the groundwater sampling/purge logs are included in **Attachment 1**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from wells MW-1B, MW-2B, MW-3B, MW-4B, MW-5, MW-7, MW-9A, MW-9B, MW-10A, MW-10B, MW-10S, MW-11A, MW-11B, and MW-11S. The groundwater samples were submitted to BC Laboratories, Inc. in Bakersfield, California, for analysis of total petroleum hydrocarbons (TPH)-gasoline range organics (TPH-GRO) by Environmental Protection

Agency (EPA) by EPA Method 8015B; TPH-diesel range organics (TPH-DRO) by EPA Method 8015B/TPHd with silica gel cleanup; benzene, toluene, ethylbenzene, total xylenes (BTEX), and fuel oxygenate compounds: methyl t-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl t-butyl ether (ETBE), t-amyl methyl ether (TAME), t-butyl alcohol (TBA), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC), and ethanol by EPA Method 8260B; and oil and grease by EPA Method 1664A HEM. The samples were also analyzed for monitored natural attenuation (MNA) parameters: methane by Method RSK-175M, nitrate as NO3, and sulfate by EPA Method 300.0; ferrous iron (Iron [II] Species) by Method SM-3500-FeD, and dissolved manganese by EPA Method 200.8.

Groundwater sampling results from this sampling event for oil and grease, TPH-DRO, TPH-GRO, BTEX, MTBE, TBA, ethanol, EDC, DIPE, ETBE, and TAME are summarized in **Tables 2 and 3**. MNA parameters are summarized in **Table 4**. Historical groundwater sampling results for these compounds are provided in **Tables 5 through 7**. Additional historical analytes are provided in **Tables 8a through 8k**. A map depicting dissolved-phase concentrations of TPH-DRO, TPH-GRO, BTEX, MTBE, and TBA in groundwater on January 27, 2015, is included as **Figure 4**. A copy of the certified laboratory analytical report with chain-of-custody documentation is included in **Attachment 2**.

The most recent monitoring data (first quarter 2015) for adjacent Former Shell Service Station No. 13-5701 (ACEH Case No. RO0000486, 4255 MacArthur Boulevard) are included as **Attachment 3** for reference.

Interpretation of Groundwater Data

Although historical site assessments indicated the presence of a confined aquifer under hydrostatic pressure, based on historical soil boring logs, and well installation in March 2013, AECOM concluded that the aquifer is generally unconfined. Shallow monitoring wells (MW-9A/B, MW-10A/B/S, and MW-11A/B/S) exhibited a hydraulic head consistent with those installed to 25 feet below ground surface (ft. bgs). Recharge occurred after purging during the most recent monitoring event.

Current groundwater analytical data (MW-9A/B, MW-10A/B/S, and MW-11A/B/S) indicate a non-uniform vertical distribution of groundwater impacts, likely due to the fine-grained nature of the subsurface soil. Although concentrations for the wells screened10 to 15 ft. bgs are the highest, horizontal migration appears to be impeded by the soil type, as the plume appears to be largely contained to the site boundaries. Off-site, downgradient wells (MW-5 and MW-7) are screened from 5 to 25 ft. bgs. Both wells have exhibited a declining trend for TPH-GRO, benzene, and MTBE since installation in 2001, suggesting that plume migration from the site is not occurring. In addition, the vertical migration of hydrocarbons appears to be limited. Impacts for wells screened 20 to 25 ft. bgs are as much as four orders of magnitude less than those observed for the wells screened 10 to 15 ft. bgs.

Groundwater samples collected on January 27, 2015, were analyzed for MNA parameters including methane, nitrate, sulfate, ferrous iron, and dissolved manganese, to evaluate if natural attenuation by anaerobic biodegradation is occurring beneath the site. Based on the analytical results for MNA parameters, depleted concentrations of nitrate and sulfate (electron donors for anaerobic reduction) were observed for wells within the dissolved-phase hydrocarbon plume. Additionally, ferrous iron and dissolved manganese concentrations (by-products of anaerobic reduction) are generally elevated for wells within the dissolved-phase hydrocarbon plume. Within the source area, methane (product of anaerobic hydrocarbon digestion) is also found to be elevated. These geochemical

trends are indicative of anaerobic biodegradation occurring within the dissolved-phase hydrocarbon plume.

Activities Completed for This Period

GR conducted groundwater monitoring and sampling on January 27, 2015.

Activities Planned for Next Period

The next groundwater monitoring and sampling event will be conducted in July 2015, and will be coordinated with adjacent Former Shell Service Station No. 13-5701.

A groundwater pump test workplan was submitted to ACEH on January 30, 2015. This work was approved by the ACEH on March 16, 2015, and is planned to be conducted during the next period.

Remarks/Signatures

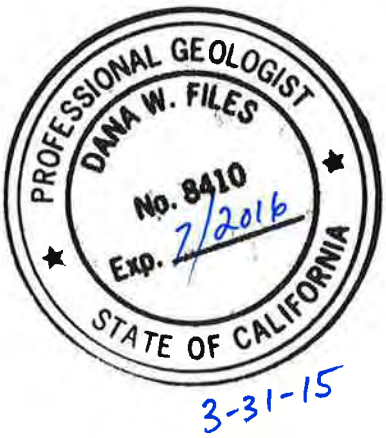
The interpretations in this report represent AECOM's professional opinions and are based, in part, on the information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at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

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

Sincerely,

Chad Roper, PhD
Project Manager

Dana Files, PG No. 8410
Project Geologist



ecs: Ms. Nicole Arceneaux, EMC *(via electronic copy)*
Mr. Rajan Goswamy, property owner *(via email)*

Enclosures:

Figures
Figure 1 - Site Location Map
Figure 2 - Site Plan
Figure 3 - First Quarter 2015 Groundwater Elevation Map
Figure 4 - First Quarter 2015 Groundwater Analytical Data Map

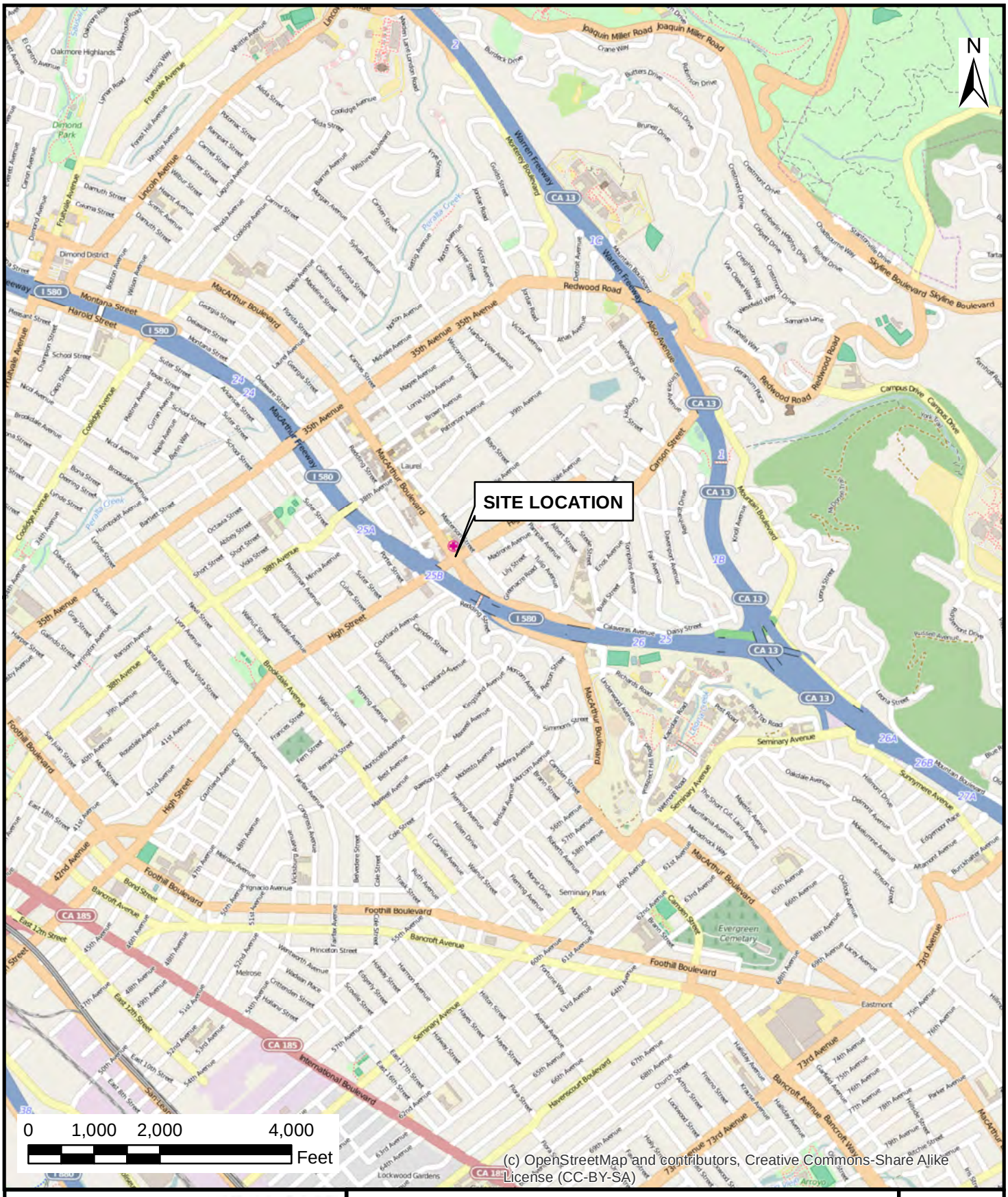
Tables
Table 1 - Well Construction Details
Table 2 - Current Groundwater Monitoring Data and Analytical Results
Table 3 - Current Groundwater Analytical Results – Oxygenate Compounds
Table 4 - Current Groundwater Analytical Results – Monitored Natural Attenuation Parameters
Table 5 - Historical Groundwater Monitoring Data and Analytical Results
Table 6 - Historical Groundwater Analytical Results – Oxygenate Compounds
Table 7 - Historical Groundwater Analytical Results – Monitored Natural Attenuation Parameters
Table 8a - Historical Groundwater Analytical Results – Additional Analytes
Table 8b - Historical Groundwater Analytical Results – Additional Analytes

Table 8c - Historical Groundwater Analytical Results – Additional Analytes
Table 8d - Historical Groundwater Analytical Results – Additional Analytes
Table 8e - Historical Groundwater Analytical Results – Additional Analytes
Table 8f - Historical Groundwater Analytical Results – Additional Analytes
Table 8g - Historical Groundwater Analytical Results – Additional Analytes
Table 8h - Historical Groundwater Analytical Results – Additional Analytes
Table 8i - Historical Groundwater Analytical Results – Additional Analytes
Table 8j - Historical Groundwater Analytical Results – Additional Analytes
Table 8k - Historical Groundwater Analytical Results – Additional Analytes

Attachments:

Attachment 1 - Groundwater Sampling/Purge Logs
Attachment 2 - Laboratory Analytical Report and Chain-of-Custody Documentation
Attachment 3 - Adjacent Site Monitoring Data – Former Shell Service Station No. 13-5701, 4255 MacArthur Boulevard, Oakland, California

FIGURES



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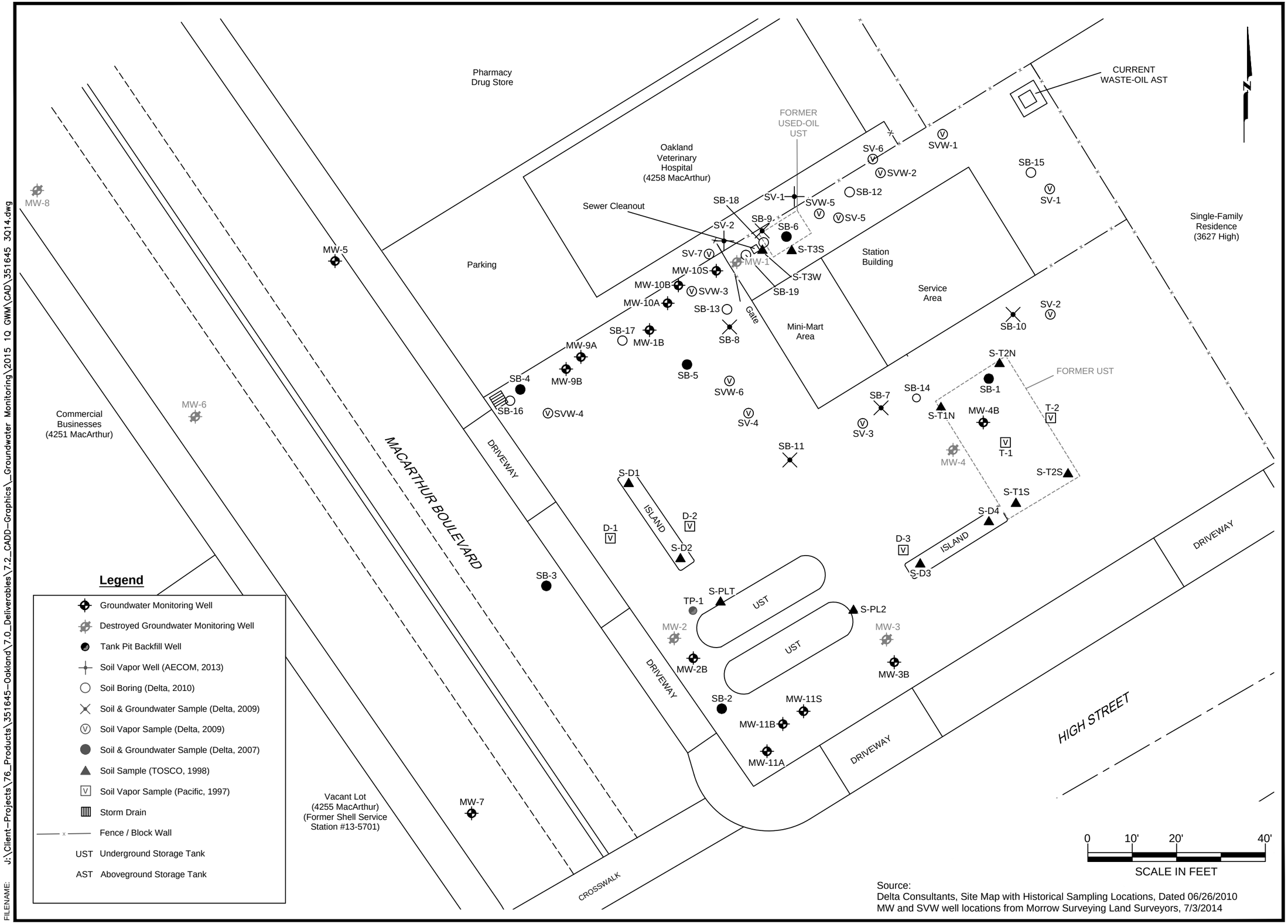
SITE LOCATION MAP

76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

FIGURE NUMBER:
1

DRAWN BY:	DATE:	PROJECT NUMBER:	SHEET NUMBER:
M. Scop	02/17/2015	60339178	1 of 1



Legend

- Groundwater Monitoring Well
- Destroyed Groundwater Monitoring Well
- Tank Pit Backfill Well
- Soil Vapor Well (AECOM, 2013)
- Soil Boring (Delta, 2010)
- Soil & Groundwater Sample (Delta, 2009)
- Soil Vapor Sample (Delta, 2009)
- Soil & Groundwater Sample (Delta, 2007)
- Soil Sample (TOSCO, 1998)
- Soil Vapor Sample (Pacific, 1997)
- Storm Drain
- Fence / Block Wall
- UST Underground Storage Tank
- AST Aboveground Storage Tank

Source:
Delta Consultants, Site Map with Historical Sampling Locations, Dated 06/26/2010
MW and SVW well locations from Morrow Surveying Land Surveyors, 7/3/2014

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY: C. Roper
DRAWN BY: M. Scop
CHECKED BY: B. Evans
APPROVED BY: B. Evans

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Site Plan

76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

PROJECT NUMBER: 60339178
DATE: 02/10/2015
SCALE: 1" = 20'

FIGURE NUMBER: 2

SHEET NUMBER: 1 of 1

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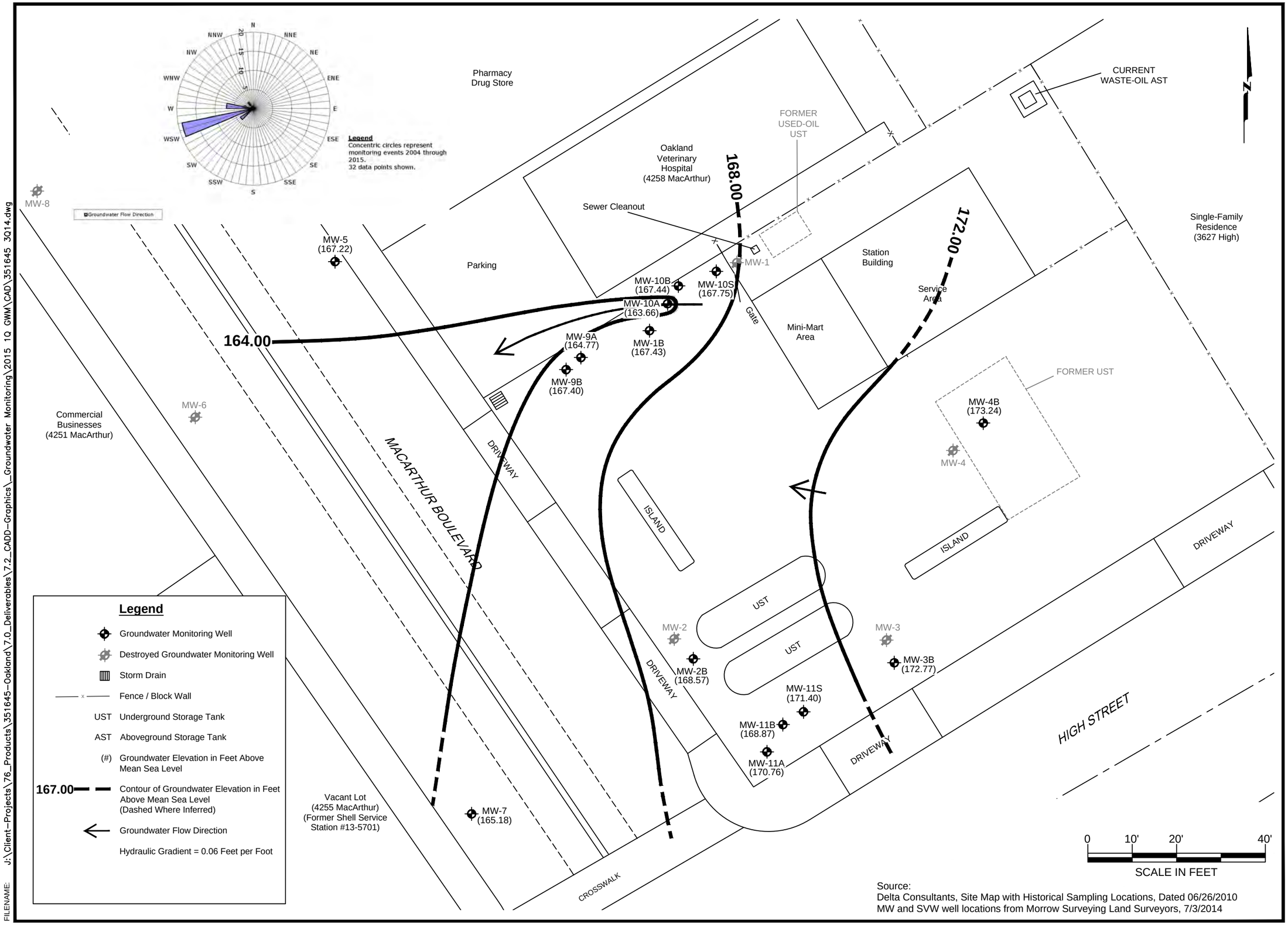

Source:
Delta Consultants, Site Map with Historical Sampling Locations, Dated 06/26/2010
MW and SVW well locations from Morrow Surveying Land Surveyors, 7/3/2014

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
C. Roper	M. Scop	B. Evans	B. Evans

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First Quarter 2015 Semiannual Groundwater Elevation Map
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

SCALE:	DATE:	PROJECT NUMBER:
1" = 20'	02/10/2015	60339178

FIGURE NUMBER:
3

SHEET NUMBER:
1 of 1

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FILENAME: J:\Client-Projects\76_Products\351645-Oakland\7.0_Deliverables\7.2_CADD-Graphics_Groundwater Monitoring\2015 1Q GWM\CAD\351645 3Q14.dwg

Pharmacy
Drug Store

Oakland
Veterinary
Hospital
(4258 MacArthur)

FORMER
USED-OIL
UST

CURRENT
WASTE-OIL AST

Single-Family
Residence
(3627 High)

Station
Building

Service
Area

Mini-Mart
Area

Parking

Sewer Cleanout

Gate

FORMER UST

MW-8

MW-6

MW-4

MW-1

MW-2

MW-3

Commercial
Businesses
(4251 MacArthur)

Vacant Lot
(4255 MacArthur)
(Former Shell Service
Station #13-5701)

MACARTHUR BOULEVARD

DRIVEWAY

ISLAND

UST

UST

CROSSWALK

HIGH STREET

MW-5
ND<40
ND<50
ND<0.30
ND<0.30
ND<0.30
ND<0.60
2.9
ND<10

MW-10A
800
28,000
9,800
190
1,200
1,200
340
1,500

MW-9A
250
7,900
2,500
16
340
23
3.9
1,100

MW-9B
ND<40
ND<50
ND<0.30
ND<0.30
ND<0.30
ND<0.60
9.8
ND<10

MW-1B
ND<40
ND<50
ND<0.30
ND<0.30
ND<0.30
ND<0.60
0.96
ND<10

MW-10B
250
7,500
2,000
80
290
290
59
ND<10

MW-10S
ND<40
110
3.1
ND<0.30
1.8
ND<0.60
3.9
180

MW-4B
ND<40
ND<50
ND<0.30
ND<0.30
ND<0.30
ND<0.60
2.1
ND<10

MW-3B
94
6,400
240
84
480
140
14
ND<10

MW-2B
ND<40
ND<50
ND<0.30
ND<0.30
ND<0.30
ND<0.60
3.9
ND<10

MW-11S
210
3,300
230
16
64
100
29
ND<10

MW-11B
170
17,000
4,200
190
310
330
1,200
3,000

MW-11A
500
73,000
10,000
6,500
1,600
11,000
2,200
3,600

MW-7
ND<40
150
ND<0.30
ND<0.30
ND<0.30
ND<0.60
180
ND<10

Legend

- Groundwater Monitoring Well
- Destroyed Groundwater Monitoring Well
- Storm Drain
- Fence / Block Wall
- UST Underground Storage Tank
- AST Aboveground Storage Tank

Well ID
TPH-DRO
TPH-GRO
Benzene
Toluene
Ethylbenzene
Total Xylenes
MTBE
TBA

ID = Identification
TPH-DRO = Total Petroleum Hydrocarbons-Diesel Range Organics
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
MTBE = Methyl t-Butyl Ether
TBA = t-Butyl Alcohol
ND<# = Not Detected At or Above Indicated Practical Quantitation Limit
(NS) = Not Sampled
Analyte Results Expressed in Micrograms per Liter

0 10' 20' 40'
SCALE IN FEET

Source:
Delta Consultants, Site Map with Historical Sampling Locations, Dated 06/26/2010
MW and SVW well locations from Morrow Surveying Land Surveyors, 7/3/2014

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
C. Roper	M. Scop	B. Evans	B. Evans

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First Quarter 2015 Semiannual Groundwater Analytical Data Map

76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

PROJECT NUMBER:	DATE:	SCALE:
60339178	02/10/2015	1" = 20'

FIGURE NUMBER: **4**

SHEET NUMBER: 1 of 1

TABLES

Table 1
Well Construction Details
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

Well ID	Well Installation Date	Casing Diameter (in.)	Boring Depth (ft. bgs)	Screen Interval (ft. bgs)	Screen Size (in.)	Filter Pack (ft. bgs)	Bentonite Seal (ft. bgs)	Grout Interval (ft. bgs)
MW-1*	7/16/1999	2	26.5	5-25	0.01	4-26.5	3-4	0-3
MW-1B	8/17/2010	2	25	20-25	0.02	19-25	18-19	0.5-18
MW-2*	7/16/1999	2	26.5	5-25	0.01	4-26.5	3-4	0-3
MW-2B	8/16/2010	2	25	20-25	0.02	19-25	18-19	0.5-18
MW-3*	7/16/1999	2	31.5	5-25	0.01	4-27	3-4; 27-31.5	0-3
MW-3B	8/16/2010	2	25	20-25	0.02	19-25	18-19	0.5-18
MW-4*	7/16/1999	2	26.5	5-25	0.01	4-26.5	3-4	0-3
MW-4B	8/13/2010	2	25	20-25	0.02	19-25	18-19	0.5-18
MW-5	8/29/2001	2	25	5-25	0.02	4-25	3-4	0.5-3
MW-6	8/29/2001	2	25	5-25	0.02	4-25	3-4	0.5-3
MW-7	8/29/2001	2	25	5-25	0.02	4-25	3-4	0.5-3
MW-8	10/30/2007	2	25	15-25	0.01	13-25	11-13	1-11
MW-9A	3/18/2013	2	15	10-15	0.02	8-15	1.5-8	1-1.5
MW-9B	3/18/2013	2	20	15-20	0.02	13-20	1.5-13	1-1.5
MW-10A	3/18/2013	2	15	10-15	0.02	8-15	1.5-8	1-1.5
MW-10B	3/18/2013	2	20	15-20	0.02	13-20	1.5-13	1-1.5
MW-10S	6/12/2014	4	10	6.5-10	0.02	3.5-10	1-3.5	n/a
MW-11A	3/19/2013	2	15	10-15	0.02	8-15	1.5-8	1-1.5
MW-11B	3/19/2013	2	20	15-20	0.02	13-20	1.5-13	1-1.5
MW-11S	6/11/2014	4	10	6.5-10	0.02	3.5-10	1-3.5	n/a

Notes:

* = Destroyed and replaced with "B" well in 2010
ft. bgs = Feet below ground surface
ID = Identification
in. = Inches
n/a = Not available

Table 2
Current Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
MW-1B	1/27/2015	174.06	6.63	0	167.43	--	ND<40	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-2B	1/27/2015	173.55	4.98	0	168.57	--	ND<40	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-3B	1/27/2015	177.77	5.00	0	172.77	--	94	6,400	240	84	480	140	
MW-4B	1/27/2015	179.07	5.83	0	173.24	--	ND<40	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-5	1/27/2015	169.18	1.96	0	167.22	--	ND<40	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-7	1/27/2015	172.11	6.93	0	165.18	--	ND<40	150	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-9A	1/27/2015	173.01	8.24	0	164.77	--	250	7,900	2,500	16	340	23	
MW-9B	1/27/2015	172.78	5.38	0	167.40	--	ND<40	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
MW-10A	1/27/2015	174.48	10.82	0	163.66	--	800	28,000	9,800	190	1,200	1,200	
MW-10B	1/27/2015	174.62	7.18	0	167.44	--	250	7,500	2,000	80	290	290	
MW-10S	1/27/2015	175.57	7.82	0	167.75	ND<5,000	ND<40	110	3.1	ND<0.30	1.8	ND<0.60	
MW-11A	1/27/2015	175.37	4.61	0	170.76	--	500	73,000	10,000	6,500	1,600	11,000	
MW-11B	1/27/2015	174.65	5.78	0	168.87	--	170	17,000	4,200	190	310	330	
MW-11S	1/27/2015	176.09	4.69	0	171.40	ND<5,000	210	3,300	230	16	64	100	
QA	1/27/2015	--	--	--	--	--	--	ND<50	ND<0.30	ND<0.30	ND<0.30	ND<0.60	

NOTES:
* TOC and GWE are in feet above mean sea level
Oil and grease analyzed by Environmental Protection Agency (EPA) Method 1664A HEM
TPH-DRO with SGC analyzed by EPA Method 8015B/TPHd
TPH-GRO analyzed by EPA Method 8015B
BTEX analyzed by EPA Method 8260B
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 practical quantitation limit
QA = Trip blank
T = Toluene
TOC = Top of casing
TPH-DRO W/SGC= Total petroleum hydrocarbons-diesel range organics with silica gel cleanup
TPH-GRO = Total petroleum hydrocarbons-gasoline range organics
X = Total xylenes

Table 3
Current Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE (µg/L)	TBA (µg/L)	ETHANOL (µg/L)	EDB (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1B	1/27/2015	0.96	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-2B	1/27/2015	3.9	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-3B	1/27/2015	14	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15
MW-4B	1/27/2015	2.1	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5	1/27/2015	2.9	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7	1/27/2015	180	ND<10	ND<250	ND<0.50	0.80	ND<0.50	ND<0.50	ND<0.50
MW-9A	1/27/2015	3.9	1,100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	58
MW-9B	1/27/2015	9.8	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10A	1/27/2015	340	1,500	ND<2,500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	50
MW-10B	1/27/2015	59	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-10S	1/27/2015	3.9	180	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.5
MW-11A	1/27/2015	2,200	3,600	ND<6,200	ND<12	ND<12	ND<12	ND<12	90
MW-11B	1/27/2015	1,200	3,000	ND<1,200	ND<2.5	110	ND<2.5	ND<2.5	46
MW-11S	1/27/2015	29	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.2
QA	1/27/2015	ND<0.50	--	--	--	--	--	--	--

NOTES:

Oxygenate compounds analyzed by Environmental Protection Agency Method 8260B
µg/L = Micrograms per liter
-- = Not sampled
DIPE = Diisopropyl ether
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
ETBE = Ethyl t-butyl ether
ID = Identification
MTBE = Methyl t-butyl ether
ND<# = Analyte not detected at or above indicated practical quantitation limit
QA = Trip blank
TAME = t-amyl methyl ether
TBA = t-butyl alcohol

Table 4
Current Groundwater Analytical Results - Monitored Natural Attenuation Parameters
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	METHANE (mg/L)	NITRATE AS NO3 (mg/L)	SULFATE (mg/L)	IRON (II) SPECIES (µg/L)	DISSOLVED MANGANESE (µg/L)
MW-1B	1/27/2015	--	--	--	--	--
MW-2B	1/27/2015	--	--	--	--	--
MW-3B	1/27/2015	11	ND<0.44	1.8	1,600	3,700
MW-4B	1/27/2015	--	--	--	--	--
MW-5	1/27/2015	--	--	--	--	--
MW-7	1/27/2015	--	--	--	--	--
MW-9A	1/27/2015	1.7	14	ND<1.0	6,200	1,400
MW-9B	1/27/2015	--	--	--	--	--
MW-10A	1/27/2015	2.0	--	--	--	--
MW-10B	1/27/2015	0.67	ND<0.44	ND<1.0	6,400	5,000
MW-10S	1/27/2015	0.25	ND<0.44	72	700	1,200
MW-11A	1/27/2015	3.9	ND<0.44	ND<1.0	7,000	4,100
MW-11B	1/27/2015	0.68	ND<0.44	ND<1.0	8,800	1,500
MW-11S	1/27/2015	0.30	ND<0.44	22	690	1,200

NOTES:

Methane analyzed by RSK-175M

Nitrate as NO3 and sulfate analyzed by Environmental Protection Agency (EPA) Method 300.0

Iron (II) Species analyzed by SM-3500-FeD

Dissolved Manganese analyzed by EPA Method 200.8

µg/L = Micrograms per liter

-- = Not sampled

ID = Identification

mg/L = Milligrams per liter

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

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
MW-1	7/20/1999	174.86	7.50	0	167.36	--	16,000	120,000	--	11,000	27,000	3,300	18,000	
	9/28/1999	174.86	8.75	0	166.11	--	2,410	6,020	--	1,030	1,040	68.5	412	
	1/7/2000	174.86	9.05	0.02	165.82	--	7,870	72,700	--	7,410	13,900	2,070	9,620	GWE corrected
	3/31/2000	174.86	7.18	0	167.68	--	3,600	92,000	--	10,000	23,000	3,200	14,000	
	7/14/2000	174.86	7.68	0	167.18	--	8,580	108,000	--	8,250	18,700	3,750	17,800	
	10/3/2000	174.86	7.99	0	166.87	--	9,260	96,000	--	8,760	20,000	3,350	15,600	
	1/3/2001	174.86	9.18	0	165.68	--	11,000	37,000	--	5,800	13,000	1,700	8,100	
	4/4/2001	174.86	8.05	0	166.81	--	14,000	86,900	--	7,780	18,500	2,470	11,800	
	7/17/2001	174.86	7.01	0	167.85	--	2,200	79,000	--	5,600	11,000	2,800	12,000	
	10/3/2001	177.54	7.89	0	169.65	--	--	99,000	--	8,200	18,000	3,000	16,000	
	10/5/2001	177.54	7.91	0	169.63	--	13,000	--	--	--	--	--	--	
	1/28/2002	177.54	5.98	0	171.56	--	4,400	110,000	--	8,900	19,000	2,600	12,000	
	4/25/2002	177.54	6.19	0	171.35	--	9,000	93,000	--	8,100	18,000	3,000	15,000	
	7/18/2002	177.54	6.99	0	170.55	--	9,200	69,000	--	5,400	10,000	2,100	10,000	
	10/7/2002	177.54	7.73	0	169.81	--	3,400	82,000	--	9,200	20,000	2,600	13,000	
	1/6/2003	177.54	5.48	0	172.06	--	5,100	82,000	--	6,500	18,000	2,700	11,000	
	4/7/2003	177.54	6.30	0	171.24	--	2,800	74,000	--	7,000	15,000	2,400	11,000	
	7/7/2003	177.54	6.47	0	171.07	--	7,000	60,000	--	6,400	11,000	2,600	11,000	
	10/9/2003	177.54	7.85	0	169.69	--	4,300	91,000	81,000	8,100	17,000	3,200	14,000	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	177.54	6.69	0	170.85	--	6,200	98,000	--	8,000	21,000	2,600	15,000	
	4/28/2004	177.54	6.43	0	171.11	--	--	93,000	--	9,000	20,000	1,300	10,000	
	7/12/2004	177.54	7.44	0	170.10	--	270	57,000	--	6,900	7,200	1,600	580	
	10/25/2004	177.54	7.54	0	170.00	--	5,100	66,000	--	7,300	19,000	2,700	14,000	
	1/17/2005	177.54	5.79	0	171.75	--	6,400	86,000	--	8,600	21,000	3,200	15,000	
	4/6/2005	177.54	4.93	0	172.61	--	2,800	85,000	--	8,400	20,000	3,200	16,000	
	7/8/2005	177.54	5.35	0	172.19	--	6,400	69,000	--	7,100	17,000	2,700	14,000	
	10/7/2005	177.54	5.96	0	171.58	--	5,500	68,000	--	5,900	8,300	1,800	8,300	
	1/27/2006	177.54	5.08	0	172.46	--	9,000	94,000	--	7,400	19,000	3,700	14,000	
	4/28/2006	177.54	4.85	0	172.69	--	9,200	74,000	--	6,400	13,000	2,300	10,000	
	7/28/2006	177.54	5.32	0	172.22	--	5,100	74,000	--	6,600	12,000	3,100	13,000	
	10/27/2006	177.54	6.13	0	171.41	--	4,600	100,000	--	8,300	20,000	3,600	16,000	
	1/10/2007	177.54	5.47	0	172.07	--	12,000	84,000	--	7,100	15,000	2,600	13,000	
	4/13/2007	177.54	5.60	0	171.94	--	8,400	27,000	--	5,600	840	2,300	3,200	
	7/19/2007	177.54	5.69	0	171.85	--	10,000	83,000	--	6,000	15,000	2,600	13,000	
	10/8/2007	177.54	--	--	--	--	--	--	--	--	--	--	--	Gate locked; no key available
	1/9/2008	177.54	5.15	0	172.39	--	12,000	40,000	--	6,000	4,800	2,600	5,100	Gauged on 1/18/2008
	4/4/2008	177.54	5.25	0	172.29	--	15,000	71,000	--	6,800	12,000	3,300	13,000	
	7/3/2008	177.54	6.00	0	171.54	--	9,300	92,000	--	7,000	16,000	3,500	15,000	
	10/3/2008	177.54	7.16	0	170.38	--	4,400	69,000	--	7,200	18,000	3,500	14,000	
	1/22/2009	177.54	6.61	0	170.93	--	8,000	45,000	--	410	720	2,400	9,600	
	4/13/2009	177.54	5.11	0	172.43	--	4,800	5,400	--	300	640	300	940	
	7/23/2009	177.54	6.04	0	171.50	--	2,800	85,000	--	5,800	15,000	3,500	13,000	
	2/1/2010	177.54	4.86	0	172.68	ND<5,000	3,900	74,000	--	7,000	11,000	3,100	10,000	
	8/2/2010	177.54	5.68	0	171.86	ND<5,000	3,900	71,000	--	7,000	11,000	3,300	10,000	
	8/24/2010						DESTROYED							
MW-1B	11/1/2010	174.05	7.15	0	166.90	ND<5,000	ND<50	99	--	3.0	0.30	ND<0.30	ND<0.60	
	1/31/2011	174.05	6.62	0	167.43	ND<5,000	ND<50	170	--	6.7	0.64	0.33	ND<0.60	
	4/26/2011	174.05	6.14	0	167.91	ND<5,000	ND<50	220	--	7.3	0.55	0.32	0.69	
	7/25/2011	174.05	6.69	0	167.36	ND<5,000	ND<40	140	--	7.8	0.35	ND<0.30	ND<0.60	
	10/7/2011	174.06	6.86	0	167.20	ND<5,000	ND<40	120	--	5.7	ND<0.30	ND<0.30	ND<0.60	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	1/23/2012	174.06	6.96	0	167.10	ND<5,000	ND<40	89	--	3.6	ND<0.30	ND<0.30	ND<0.60	
	4/6/2012	174.06	5.89	0	168.17	ND<5,000	ND<40	110	--	4.5	ND<0.30	ND<0.30	ND<0.60	
	7/24/2012	174.06	6.98	0	167.08	ND<5,000	ND<40	130	--	6.2	ND<0.30	ND<0.30	ND<0.60	
	2/8/2013	174.06	6.65	0	167.41	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/10/2013	174.06	7.11	0	166.95	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	0.61	
	1/16/2014	174.06	7.73	0	166.33	ND<5,000	ND<40	ND<50	--	1.0	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	174.06	7.18	0	166.88	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**174.06**	**6.63**	**0**	**167.43**	**--**	**ND<40**	**ND<50**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-2	7/20/1999	173.01	5.40	--	167.61	--	--	ND	--	ND	ND	ND	ND	
	9/28/1999	173.01	5.60	0	167.41	--	--	1,390	--	124	ND	62.9	43.1	
	1/7/2000	173.01	5.92	0	167.09	--	--	1,450	--	99	ND	23.8	16	
	3/31/2000	173.01	5.23	0	167.78	--	--	ND	--	42	ND	ND	ND	
	7/14/2000	173.01	5.52	0	167.49	--	--	ND	--	44.7	ND	ND	ND	
	10/3/2000	173.01	6.04	0	166.97	--	--	ND	--	56.7	ND	ND	ND	
	1/3/2001	173.01	6.42	0	166.59	--	--	ND	--	ND	ND	ND	ND	
	4/4/2001	173.01	6.14	0	166.87	--	--	ND	--	ND	ND	ND	ND	
	7/17/2001	173.01	5.30	0	167.71	--	--	ND	--	ND	ND	ND	ND	
	10/3/2001	173.50	7.38	0	166.12	--	--	ND<250	--	2.7	ND<2.5	ND<2.5	ND<2.5	
	1/28/2002	173.50	5.68	0	167.82	--	--	ND<250	--	2.5	4.4	2.8	7.4	
	4/25/2002	173.50	5.82	0	167.68	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	7/18/2002	173.50	6.90	0	166.60	--	--	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	10/7/2002	173.50	7.54	0	165.96	--	--	4,300	--	ND<10	27	21	75	
	1/6/2003	173.50	6.79	0	166.71	--	--	5,900	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	4/7/2003	173.50	6.49	0	167.01	--	--	1,500	--	ND<10	14	11	38	
	7/7/2003	173.50	6.72	0	166.78	--	--	ND<2,500	--	ND<25	ND<25	ND<25	ND<25	
	10/9/2003	173.50	7.16	0	166.34	--	--	3,500	ND<5,000	ND<50	ND<50	ND<50	ND<100	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	173.50	5.53	0	167.97	--	--	3,200	--	ND<25	ND<25	ND<25	ND<25	
	4/28/2004	173.50	5.21	0	168.29	--	--	22,000	--	ND<3	9.2	ND<3	ND<6	
	7/12/2004	173.50	5.83	0	167.67	--	--	1,700	--	3.8	18	2.6	16	
	10/25/2004	173.50	6.89	0	166.61	--	--	3,400	--	ND<25	ND<25	ND<25	ND<25	
	1/17/2005	173.50	5.70	0	167.80	--	--	1,700	--	ND<10	ND<10	ND<10	ND<10	
	4/6/2005	173.50	4.50	0	169.00	--	--	3,000	--	ND<20	ND<20	ND<20	ND<20	
	7/8/2005	173.50	4.69	0	168.81	--	--	ND<2,000	--	ND<20	ND<20	ND<20	ND<20	
	10/7/2005	173.50	4.61	0	168.89	--	--	7,500	--	6.7	6.6	ND<3.0	ND<6.0	
	1/27/2006	173.50	4.10	0	169.40	--	--	2,500	--	1.0	2.6	ND<0.30	ND<0.60	
	4/28/2006	173.50	3.75	0	169.75	--	--	3,100	--	9.4	3.6	0.94	3.4	
	7/28/2006	173.50	4.34	0	169.16	--	--	3,000	--	2.0	ND<1.5	ND<1.5	ND<3.0	
	10/27/2006	173.50	5.62	0	167.88	--	--	1,800	--	1.5	ND<1.5	ND<1.5	ND<3.0	
	1/10/2007	173.50	4.02	0	169.48	--	--	2,100	--	1.1	ND<0.60	ND<0.60	ND<1.2	
	4/13/2007	173.50	4.03	0	169.47	--	--	3,300	--	12	1.6	0.46	1.1	
	7/19/2007	173.50	4.41	0	169.09	--	--	2,500	--	21	0.64	5.1	1.5	
	10/8/2007	173.50	4.93	0	168.57	--	--	3,400	--	38	1.6	13	2.1	
	1/9/2008	173.50	3.03	0	170.47	--	--	1,700	--	6.2	2.5	0.61	0.91	Gauged on 1/18/2008
	4/4/2008	173.50	3.52	0	169.98	--	--	1,400	--	15	2.1	0.76	ND<0.60	
	7/3/2008	173.50	4.70	0	168.80	--	--	1,100	--	14	1.1	2.0	1.2	
	10/3/2008	173.50	5.57	0	167.93	--	ND<50	740	--	14	ND<0.30	4.5	6.9	
	1/22/2009	173.50	5.03	0	168.47	--	ND<50	640	--	4.6	ND<0.30	ND<0.30	ND<0.60	
	4/13/2009	173.50	3.73	0	169.77	--	ND<50	940	--	7.1	ND<0.30	ND<0.30	ND<0.60	
	7/23/2009	173.50	4.39	0	169.11	--	230	700	--	12	6.0	5.4	13	
	2/1/2010	173.50	4.33	0	169.17	--	140	860	--	17	13	0.83	2.4	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	8/2/2010	173.50	5.16	0	168.34	--	210	1,200	--	9.5	32	1.4	2.4	
	8/24/2010						DESTROYED							
MW-2B	11/1/2010	173.55	11.27	0	162.28	--	57	550	--	7.8	2.7	2.1	0.99	
	1/31/2011	173.55	7.79	0	165.76	--	ND<50	420	--	1.7	0.47	0.59	ND<0.60	
	4/26/2011	173.55	9.09	0	164.46	--	ND<50	390	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/25/2011	173.55	3.91	0	169.64	--	ND<40	210	--	1.7	ND<0.30	ND<0.30	ND<0.60	
	10/7/2011	173.55	4.50	0	169.05	--	52	110	--	1.0	ND<0.30	ND<0.30	ND<0.60	
	1/23/2012	173.55	6.96	0	166.59	--	ND<40	110	--	0.73	ND<0.30	ND<0.30	ND<0.60	
	4/6/2012	173.55	5.67	0	167.88	--	ND<40	120	--	0.36	ND<0.30	ND<0.30	ND<0.60	
	7/24/2012	173.55	5.33	0	168.22	--	ND<40	73	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/8/2013	173.55	4.58	0	168.97	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/10/2013	173.55	7.06	0	166.49	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/16/2014	173.55	5.58	0	167.97	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	173.55	6.18	0	167.37	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**173.55**	**4.98**	**0**	**168.57**	**--**	**ND<40**	**ND<50**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-3	7/20/1999	178.44	8.50	--	169.94	--	--	1,000	--	76	52	79	76	
	9/28/1999	178.44	8.31	0	170.13	--	--	1,860	--	174	95.4	71.8	135	
	1/7/2000	178.44	8.56	0	169.88	--	--	28,400	--	2,450	3,090	1,560	3,910	
	3/31/2000	178.44	8.42	0	170.02	--	--	26,000	--	1,300	2,900	2,600	3,500	
	7/14/2000	178.44	8.61	0	169.83	--	--	24,500	--	1,850	2,630	2,750	3,900	
	10/3/2000	178.44	9.14	0	169.30	--	--	22,000	--	1,910	2,020	2,400	2,680	
	1/3/2001	178.44	9.06	0	169.38	--	--	14,000	--	1,600	1,100	2,300	1,400	
	4/4/2001	178.44	8.98	0	169.46	--	--	19,600	--	1,150	1,470	2,100	1,820	
	7/17/2001	178.44	7.46	0	170.98	--	--	26,000	--	1,500	2,100	2,100	3,400	
	10/3/2001	178.13	9.81	0	168.32	--	--	22,000	--	830	1,900	1,700	3,000	
	1/28/2002	178.13	7.39	0	170.74	--	--	30,000	--	880	2,600	1,800	4,300	
	4/25/2002	178.13	7.86	0	170.27	--	--	18,000	--	500	2,000	1,300	3,800	
	7/18/2002	178.13	8.83	0	169.30	--	--	37,000	--	1,800	3,800	2,200	8,000	
	10/7/2002	178.13	9.71	0	168.42	--	--	26,000	--	600	2,000	1,800	6,400	
	1/6/2003	178.13	7.40	0	170.73	--	--	27,000	--	800	2,100	2,000	6,400	
	4/7/2003	178.13	8.17	0	169.96	--	--	28,000	--	660	2,200	1,900	6,300	
	7/7/2003	178.13	8.35	0	169.78	--	--	33,000	--	1,200	2,500	2,700	8,300	
	10/9/2003	178.13	9.39	0	168.74	--	--	3,800	6,000	120	260	390	1,200	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	178.13	6.86	0	171.27	--	--	5,100	--	120	240	310	720	
	4/28/2004	178.13	6.63	0	171.50	--	--	7,300	--	250	440	580	1300	
	7/12/2004	178.13	7.41	0	170.72	--	--	5,500	--	350	310	120	350	
	10/25/2004	178.13	8.81	0	169.32	--	--	3,300	--	96	140	270	490	
	1/17/2005	178.13	6.37	0	171.76	--	--	3,400	--	150	270	360	750	
	4/6/2005	178.13	4.69	0	173.44	--	--	14,000	--	420	1,300	1,000	3,100	
	7/8/2005	178.13	5.23	0	172.90	--	--	5,000	--	180	290	500	800	
	10/7/2005	178.13	6.35	0	171.78	--	--	6,800	--	270	120	ND<0.30	210	
	1/27/2006	178.13	5.24	0	172.89	--	--	3,200	--	120	140	270	460	
	4/28/2006	178.13	5.01	0	173.12	--	--	4,500	--	130	250	380	670	
	7/28/2006	178.13	6.21	0	171.92	--	--	4,700	--	160	240	510	730	
	10/27/2006	178.13	6.93	0	171.20	--	--	3,700	--	150	160	460	530	
	1/10/2007	178.13	5.93	0	172.20	--	--	4,800	--	180	160	550	600	
	4/13/2007	178.13	6.10	0	172.03	--	--	5,100	--	180	240	550	710	
	7/19/2007	178.13	6.51	0	171.62	--	--	2,000	--	110	64	220	190	
	10/8/2007	178.13	7.05	0	171.08	--	--	2,100	--	72	65	180	290	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	1/9/2008	178.13	3.65	0	174.48	--	--	4,200	--	200	160	510	580	Gauged on 1/18/2008
	4/4/2008	178.13	5.69	0	172.44	--	--	7,500	--	270	390	810	1,200	
	7/3/2008	178.13	7.28	0	170.85	--	--	2,300	--	99	66	210	220	
	10/3/2008	178.13	8.40	0	169.73	--	1,200	12,000	--	740	620	1,500	2,700	
	1/22/2009	178.13	7.68	0	170.45	--	270	2,000	--	120	79	290	290	
	4/13/2009	178.13	6.28	0	171.85	--	150	3,600	--	110	150	180	510	
	7/23/2009	178.13	7.20	0	170.93	--	310	3,400	--	180	150	360	650	
	2/1/2010	178.13	5.29	0	172.84	--	390	6,500	--	180	92	300	250	
	8/2/2010	178.13	6.83	0	171.30	--	540	8,600	--	140	110	320	1,000	
	8/24/2010						DESTROYED							
MW-3B	11/1/2010	177.77	6.82	0	170.95	--	58	990	--	31	32	47	50	
	1/31/2011	177.77	5.30	0	172.47	--	65	2,800	--	32	20	39	47	
	4/26/2011	177.77	4.64	0	173.13	--	93	2,800	--	36	55	80	82	
	7/25/2011	177.77	5.53	0	172.24	--	100	1,700	--	28	33	80	73	
	10/7/2011	177.77	6.08	0	171.69	--	81	1,700	--	32	20	88	47	
	1/23/2012	177.77	6.90	0	170.87	--	120	1,800	--	39	17	75	20	
	4/6/2012	177.77	4.23	0	173.54	--	ND<40	1,200	--	36	25	80	41	
	7/24/2012	177.77	6.42	0	171.35	--	190	1,500	--	66	10	76	39	
	2/8/2013	177.77	5.60	0	172.17	--	ND<40	4,400	--	170	93	450	150	
	7/10/2013	177.77	6.71	0	171.06	--	350	2,800	--	190	60	530	82	
	1/16/2014	177.77	7.63	0	170.14	5,300	40	3,800	--	190	71	380	210	
	7/22/2014	177.77	6.89	0	170.88	--	370	8,600	--	190	120	670	190	
	1/27/2015	**177.77**	**5.00**	**0**	**172.77**	**--**	**94**	**6,400**	**--**	**240**	**84**	**480**	**140**	
MW-4	7/20/1999	179.10	7.40	--	171.70	--	--	69	--	2.7	0.77	ND	7.1	
	9/28/1999	179.10	7.19	0	171.91	--	--	4,050	--	1,250	72	51.3	133	
	1/7/2000	179.10	8.98	0	170.12	--	--	7,010	--	2,260	167	271	276	
	3/31/2000	179.10	7.26	0	171.84	--	--	5,500	--	1,800	230	330	400	
	7/14/2000	179.10	7.67	0	171.43	--	--	7,940	--	2,810	332	450	247	
	10/3/2000	179.10	8.12	0	170.98	--	--	11,400	--	3,110	437	519	816	
	1/3/2001	179.10	9.10	0	170.00	--	--	8,600	--	2,500	340	480	960	
	4/4/2001	179.10	8.63	0	170.47	--	--	9,950	--	2,380	126	416	725	
	7/17/2001	179.10	6.49	0	172.61	--	--	10,000	--	2,300	110	410	800	
	10/3/2001	178.96	7.01	0	171.95	--	--	7,800	--	2,100	85	380	390	
	1/28/2002	178.96	6.21	0	172.75	--	--	12,000	--	2,100	130	350	670	
	4/25/2002	178.96	5.49	0	173.47	--	--	3,300	--	1,300	42	270	250	
	7/18/2002	178.96	8.28	0	170.68	--	--	4,800	--	1,300	71	290	220	
	10/7/2002	178.96	7.49	0	171.47	--	--	5,100	--	1,400	110	330	380	
	1/6/2003	178.96	6.36	0	172.60	--	--	5,600	--	1,100	57	260	320	
	4/7/2003	178.96	6.24	0	172.72	--	--	5,100	--	1,100	55	190	370	
	7/7/2003	178.96	6.43	0	172.53	--	--	3,000	--	920	28	170	330	
	10/9/2003	178.96	7.97	0	170.99	--	--	530	700	100	2.2	5.4	14	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	178.96	6.30	0	172.66	--	--	530	--	88	4.1	9.9	11	
	4/28/2004	178.96	5.68	0	173.28	--	--	1,200	--	200	5.3	21	13	
	7/12/2004	178.96	6.48	0	172.48	--	--	3,600	--	1,000	14	260	72	
	10/25/2004	178.96	6.85	0	172.11	--	--	490	--	34	ND<2.5	ND<2.5	ND<2.5	
	1/17/2005	178.96	4.56	0	174.40	--	--	620	--	100	2.6	15	8.0	
	4/6/2005	178.96	2.90	0	176.06	--	--	630	--	81	9.6	16	41	
	7/8/2005	178.96	3.74	0	175.22	--	--	980	--	170	24	44	140	
	10/7/2005	178.96	4.24	0	174.72	--	--	4,900	--	1,100	11	110	110	

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76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	1/27/2006	178.96	3.65	0	175.31	--	--	2,800	--	580	20	130	230	
	4/28/2006	178.96	3.94	0	175.02	--	--	710	--	110	2.4	21	22	
	7/28/2006	178.96	4.63	0	174.33	--	--	550	--	120	2.1	12	19	
	10/27/2006	178.96	5.19	0	173.77	--	--	260	--	37	2.0	1.9	6.7	
	1/10/2007	178.96	4.82	0	174.14	--	--	270	--	29	0.72	1.8	2.7	
	4/13/2007	178.96	4.25	0	174.71	--	--	390	--	53	1.2	3.1	4.1	
	7/19/2007	178.96	5.35	0	173.61	--	--	210	--	8.0	1.0	1.4	4.5	
	10/8/2007	178.96	5.48	0	173.48	--	--	290	--	17	2.3	3.8	14	
	1/9/2008	178.96	3.40	0	175.56	--	--	770	--	190	5.9	21	40	Gauged on 1/18/2008
	4/4/2008	178.96	4.20	0	174.76	--	--	180	--	11	2.0	0.67	2.9	
	7/3/2008	178.96	5.89	0	173.07	--	--	140	--	4.5	1.3	ND<0.30	ND<0.60	
	10/3/2008	178.96	7.34	0	171.62	--	96	430	--	29	3.4	9.6	20	
	1/22/2009	178.96	6.75	0	172.21	--	ND<50	190	--	25	1.7	0.87	1.5	
	4/13/2009	178.96	4.74	0	174.22	--	110	290	--	17	2.1	4.4	12	
	7/23/2009	178.96	6.01	0	172.95	--	85	360	--	33	2.3	5.4	18	
	2/1/2010	178.96	6.42	0	172.54	--	80	490	--	35	3.1	2.7	5.5	
	8/2/2010	178.96	5.92	0	173.04	--	120	470	--	17	3.4	2.5	12	
	8/24/2010						DESTROYED							
MW-4B	11/1/2010	179.07	7.20	0	171.87	--	ND<50	230	--	ND<0.30	2.1	1.3	43	
	1/31/2011	179.07	4.49	0	174.58	--	ND<50	68	--	ND<0.30	ND<0.30	ND<0.30	2.0	
	4/26/2011	179.07	4.32	0	174.75	--	ND<50	52	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/25/2011	179.07	5.52	0	173.55	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/7/2011	179.07	6.04	0	173.03	--	ND<40	ND<50	--	ND<0.30	0.46	ND<0.30	ND<0.60	
	1/23/2012	179.07	6.58	0	172.49	--	ND<40	ND<50	--	ND<0.30	0.36	0.87	ND<0.60	
	4/6/2012	179.07	4.41	0	174.66	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/24/2012	179.07	6.20	0	172.87	--	ND<40	75	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/8/2013	179.07	5.37	0	173.70	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/10/2013	179.07	6.52	0	172.55	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/16/2014	179.07	7.55	0	171.52	ND<5,000	ND<40	ND<50	--	0.32	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	179.07	6.80	0	172.27	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**179.07**	**5.83**	**0**	**173.24**	**--**	**ND<40**	**ND<50**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-5	10/3/2001	169.18	2.81	0	166.37	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	1/28/2002	169.18	1.88	0	167.30	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	4/25/2002	169.18	1.99	0	167.19	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	7/18/2002	169.18	2.49	0	166.69	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	10/7/2002	169.18	2.80	0	166.38	--	--	140	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	1/6/2003	169.18	1.86	0	167.32	--	ND<50	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	4/7/2003	169.18	2.15	0	167.03	--	--	220	--	0.53	ND<0.50	ND<0.50	ND<0.50	
	7/7/2003	169.18	2.26	0	166.92	--	--	120	--	ND<1.2	ND<1.2	ND<1.2	ND<1.2	
	10/9/2003	169.18	2.72	0	166.46	--	--	560	210	ND<1.0	ND<1.0	ND<1.0	ND<2.0	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	169.18	2.00	0	167.18	--	--	560	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	
	4/28/2004	169.18	2.01	0	167.17	--	--	760	--	ND<0.3	1.8	ND<0.3	ND<0.6	
	7/12/2004	169.18	2.56	0	166.62	--	--	96	--	1.8	3.3	0.54	3.6	
	10/25/2004	169.18	2.43	0	166.75	--	--	1,100	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	1/17/2005	169.18	1.49	0	167.69	--	--	720	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	4/6/2005	169.18	0.95	0	168.23	--	--	830	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	7/8/2005	169.18	1.49	0	167.69	--	--	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	
	10/7/2005	169.18	1.92	0	167.26	--	--	540	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/27/2006	169.18	2.03	0	167.15	--	--	490	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	

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WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	4/28/2006	169.18	1.02	0	168.16	--	--	430	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/28/2006	169.18	1.57	0	167.61	--	--	480	--	0.34	ND<0.30	ND<0.30	ND<0.60	
	10/27/2006	169.18	2.20	0	166.98	--	--	420	--	0.34	ND<0.30	ND<0.30	ND<0.60	
	1/10/2007	169.18	1.57	0	167.61	--	--	390	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/13/2007	169.18	1.89	0	167.29	--	--	170	--	3.8	5.9	1.5	3.8	
	7/19/2007	169.18	1.92	0	167.26	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/8/2007	169.18	2.28	0	166.90	--	--	200	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/9/2008	169.18	1.09	0	168.09	--	--	150	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	Gauged on 1/18/2008
	4/4/2008	169.18	1.72	0	167.46	--	--	210	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/3/2008	169.18	2.27	0	166.91	--	--	260	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/3/2008	169.18	2.80	0	166.38	--	60	200	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/22/2009	169.18	2.45	0	166.73	--	ND<50	130	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/13/2009	169.18	1.81	0	167.37	--	ND<50	190	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/23/2009	169.18	2.33	0	166.85	--	ND<50	210	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/1/2010	169.18	1.32	0	167.86	--	ND<50	170	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	8/2/2010	169.18	2.20	0	166.98	--	ND<50	64	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	11/1/2010	169.18	3.92	0	165.26	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	1/31/2011	169.18	1.63	0	167.55	--	ND<50	160	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/26/2011	169.18	1.32	0	167.86	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	7/25/2011	169.18	1.79	0	167.39	--	ND<40	140	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/7/2011	169.18	2.18	0	167.00	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	1/23/2012	169.18	1.98	0	167.20	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/6/2012	169.18	1.18	0	168.00	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	7/24/2012	169.18	1.90	0	167.28	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/8/2013	169.18	1.88	0	167.30	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/10/2013	169.18	2.32	0	166.86	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/16/2014	169.18	2.82	0	166.36	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	169.18	3.13	0	166.05	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**169.18**	**1.96**	**`**	**167.22**	**--**	**ND<40**	**ND<50**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-6	10/3/2001	169.04	2.87	0	166.17	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	1/28/2002	169.04	1.82	0	167.22	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	4/25/2002	169.04	2.01	0	167.03	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	7/18/2002	169.04	2.44	0	166.60	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	10/7/2002	169.04	2.72	0	166.32	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	1/6/2003	169.04	1.90	0	167.14	--	--	ND<50	--	0.62	1.2	1.2	3.5	
	4/7/2003	169.04	2.02	0	167.02	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	7/7/2003	169.04	2.21	0	166.83	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	10/9/2003	169.04	2.71	0	166.33	--	--	ND<50	ND<50	0.95	3.0	1.4	5.5	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	169.04	2.00	0	167.04	--	--	ND<50	--	ND<0.50	0.57	ND<0.50	0.64	
	4/28/2004	169.04	2.18	0	166.86	--	--	ND<50	--	0.39	0.78	ND<0.3	ND<0.6	
	7/12/2004	169.04	2.69	0	166.35	--	--	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	
	10/25/2004	169.04	2.46	0	166.58	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	1/17/2005	169.04	1.54	0	167.50	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	4/6/2005	169.04	1.15	0	167.89	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	7/8/2005	169.04	1.05	0	167.99	--	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	
	10/7/2005	169.04	1.90	0	167.14	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/27/2006	169.04	1.32	0	167.72	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/28/2006	169.04	0.00	0	169.04	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/28/2006	169.04	1.68	0	167.36	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/27/2006	169.04	1.98	0	167.06	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	1/10/2007	169.04	1.60	0	167.44	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/13/2007	169.04	2.01	0	167.03	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/19/2007	169.04	1.96	0	167.08	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/8/2007	169.04	2.35	0	166.69	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/9/2008	169.04	1.10	0	167.94	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	Gauged on 1/18/2008
	4/4/2008	169.04	1.60	0	167.44	--	--	ND<50	--	ND<0.30	0.40	ND<0.30	0.71	
	7/3/2008	169.04	2.19	0	166.85	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/3/2008	169.04	2.78	0	166.26	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/22/2009	169.04	2.35	0	166.69	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/13/2009	169.04	1.81	0	167.23	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/23/2009	169.04	--	--	--	--	--	--	--	--	--	--	--	Paved over
	2/1/2010	169.04	--	--	--	--	--	--	--	--	--	--	--	Paved over
	8/2/2010	169.04	--	--	--	--	--	--	--	--	--	--	--	Paved over
	8/24/2010						DESTROYED							
MW-7	10/3/2001	171.64	7.62	0	164.02	--	--	10,000	--	210	ND<50	ND<50	800	
	1/28/2002	171.64	7.21	0	164.43	--	--	ND<1,000	--	ND<10	ND<10	ND<10	ND<10	
	4/25/2002	171.64	7.25	0	164.39	--	--	ND<5,000	--	660	ND<50	ND<50	ND<50	
	7/18/2002	171.64	8.12	0	163.52	--	--	ND<5,000	--	130	ND<50	ND<50	ND<50	
	10/7/2002	171.64	7.71	0	163.93	--	--	18,000	--	ND<50	ND<50	ND<50	ND<50	
	1/6/2003	171.64	7.63	0	164.01	--	ND<50	410	--	0.61	1.0	0.89	2.9	
	4/7/2003	171.64	7.58	0	164.06	--	--	13,000	--	ND<20	ND<20	ND<20	ND<20	
	7/7/2003	171.64	7.56	0	164.08	--	--	990	--	8.2	ND<0.50	1.2	ND<0.50	
	10/9/2003	171.64	7.72	0	163.92	--	--	6,800	ND<13,000	ND<130	ND<130	ND<130	ND<250	Sampled for TPH-GRO by 8015M on 11/14/2003
	1/14/2004	171.64	6.97	0	164.67	--	--	19,000	--	ND<100	ND<100	ND<100	ND<100	
	4/28/2004	171.64	8.70	0	162.94	--	--	19,000	--	ND<3	ND<3	ND<3	ND<6	
	7/12/2004	171.64	9.44	0	162.20	--	--	12,000	--	28	14	330	200	
	10/25/2004	171.64	7.23	0	164.41	--	--	28,000	--	ND<250	ND<250	ND<250	ND<250	
	1/17/2005	171.64	6.30	0	165.34	--	--	15,000	--	ND<100	ND<100	ND<100	ND<100	
	4/6/2005	171.64	5.96	0	165.68	--	--	13,000	--	ND<100	ND<100	ND<100	ND<100	
	7/8/2005	171.64	6.45	0	165.19	--	--	ND<10,000	--	ND<100	ND<100	ND<100	ND<100	
	10/7/2005	171.64	6.78	0	164.86	--	--	13,000	--	ND<3.0	ND<3.0	ND<3.0	ND<6.0	
	1/27/2006	171.64	5.82	0	165.82	--	--	8,200	--	0.64	1.6	ND<0.30	ND<0.60	
	4/28/2006	171.64	5.57	0	166.07	--	--	6,900	--	0.88	1.5	0.34	1.0	
	7/28/2006	171.64	6.67	0	164.97	--	--	5,400	--	5.2	ND<3.0	ND<3.0	ND<6.0	
	10/27/2006	171.64	6.93	0	164.71	--	--	4,500	--	ND<1.5	ND<1.5	ND<1.5	ND<3.0	
	1/10/2007	171.64	6.41	0	165.23	--	12,000	4,000	--	ND<1.2	ND<1.2	ND<1.2	ND<2.4	
	4/13/2007	171.64	--	--	--	--	--	--	--	--	--	--	--	Paved over
	7/19/2007	171.64	7.10	0	164.54	--	--	2,700	--	0.57	ND<0.30	ND<0.30	ND<0.60	
	10/8/2007	171.64	7.42	0	164.22	--	--	1,600	--	0.47	0.49	ND<0.30	ND<0.60	
	1/9/2008	171.64	5.98	0	165.66	--	--	1,500	--	0.45	0.49	ND<0.30	ND<0.60	Gauged on 1/18/2008
	4/4/2008	171.64	6.80	0	164.84	--	--	1,800	--	0.72	0.58	ND<0.30	ND<0.60	
	7/3/2008	171.64	7.31	0	164.33	--	--	1,600	--	0.45	ND<0.30	ND<0.30	ND<0.60	
	10/3/2008	171.64	7.79	0	163.85	--	ND<50	1,300	--	0.53	0.59	ND<0.30	ND<0.60	
	1/22/2009	171.64	7.26	0	164.38	--	ND<50	890	--	0.43	0.49	ND<0.30	ND<0.60	
	4/13/2009	171.64	6.83	0	164.81	--	ND<50	1,100	--	0.46	0.30	ND<0.30	ND<0.60	
	7/23/2009	171.64	7.32	0	164.32	--	ND<50	920	--	ND<0.30	0.73	ND<0.30	ND<0.60	
	2/1/2010	171.64	6.21	0	165.43	--	53	1,000	--	5.6	4.0	1.2	2.0	
	8/2/2010	171.64	7.08	0	164.56	--	ND<50	880	--	ND<0.30	0.62	ND<0.30	ND<0.60	
	11/1/2010	172.11	6.97	0	165.14	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	1/31/2011	172.11	6.58	0	165.53	--	ND<50	730	--	0.31	0.59	ND<0.30	ND<0.60	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
	4/26/2011	172.11	5.21	0	166.90	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	7/25/2011	172.11	6.89	0	165.22	--	ND<40	610	--	2.5	ND<0.30	ND<0.30	ND<0.60	
	10/7/2011	172.11	7.15	0	164.96	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	1/23/2012	172.11	6.92	0	165.19	--	ND<40	300	--	ND<0.30	0.55	ND<0.30	ND<0.60	
	4/6/2012	172.11	6.01	0	166.10	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
	7/24/2012	172.11	7.25	0	164.86	--	ND<40	270	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/8/2013	172.11	6.90	0	165.21	--	ND<40	240	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/10/2013	172.11	7.36	0	164.75	--	ND<40	340	--	0.75	ND<0.30	0.46	0.69	
	1/16/2014	172.11	7.86	0	164.25	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	172.11	7.40	0	164.71	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**172.11**	**6.93**	**0**	**165.18**	**--**	**ND<40**	**150**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-8	1/18/2008	167.97	0.43	0	167.54	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/4/2008	167.97	0.55	0	167.42	--	--	ND<50	--	0.76	1.6	0.72	2.3	
	7/3/2008	167.97	0.91	0	167.06	--	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	10/3/2008	167.97	1.71	0	166.26	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/22/2009	167.97	1.59	0	166.38	--	64	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	4/13/2009	167.97	0.08	0	167.89	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/23/2009	167.97	1.10	0	166.87	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	2/1/2010	167.97	0.65	0	167.32	--	ND<50	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	8/2/2010	167.97	--	--	--	--	--	--	--	--	--	--	--	Paved over
	8/24/2010						DESTROYED							
MW-9A	7/10/2013	173.01	5.88	0	167.13	--	220	4,600	--	1,100	14	220	140	
	1/16/2014	173.01	6.24	0	166.77	ND<5,000	200	4,600	--	820	ND<6.0	180	ND<12	
	7/22/2014	173.01	8.65	0	164.36	--	250	6,400	--	1,100	12	380	12	
	1/27/2015	**173.01**	**8.24**	**0**	**164.77**	**--**	**250**	**7,900**	**--**	**2,500**	**16**	**340**	**23**	
MW-9B	7/10/2013	172.78	5.87	0	166.91	--	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	1/16/2014	172.78	6.57	0	166.21	ND<5,000	ND<40	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	
	7/22/2014	172.78	5.94	0	166.84	--	--	--	--	--	--	--	--	Sampled Q1 only
	1/27/2015	**172.78**	**5.38**	**0**	**167.40**	**--**	**ND<40**	**ND<50**	**--**	**ND<0.30**	**ND<0.30**	**ND<0.30**	**ND<0.60**	
MW-10A	7/10/2013	174.48	7.15	0	167.33	--	1,300	23,000	--	6,600	76	750	1,900	
	1/16/2014	174.48	9.41	0	165.07	ND<5,000	710	25,000	--	6,600	120	850	830	
	7/22/2014	174.48	10.61	0	163.87	--	800	27,000	--	6,300	120	900	1,000	
	1/27/2015	**174.48**	**10.82**	**0**	**163.66**	**--**	**800**	**28,000**	**--**	**9,800**	**190**	**1,200**	**1,200**	
MW-10B	7/10/2013	174.62	7.65	0	166.97	--	170	4,100	--	1,100	34	130	140	
	1/16/2014	174.62	8.33	0	166.29	ND<5,000	360	5,500	--	1,200	69	190	160	
	7/22/2014	174.62	7.76	0	166.86	--	120	2,400	--	570	19	68	54	
	1/27/2015	**174.62**	**7.18**	**0**	**167.44**	**--**	**250**	**7,500**	**--**	**2,000**	**80**	**290**	**290**	
MW-10S	7/22/2014	175.57	10.02	0	165.55	--	--	--	--	--	--	--	--	Insufficient water to sample
	1/27/2015	**175.57**	**7.82**	**0**	**167.75**	**ND<5,000**	**ND<40**	**110**	**--**	**3.1**	**ND<0.30**	**1.8**	**ND<0.60**	
MW-11A	7/10/2013	175.37	6.02	0	169.35	--	730	45,000	--	8,600	5,900	940	7,600	
	1/16/2014	175.37	6.08	0	169.29	ND<5,000	480	45,000	--	7,000	4,000	660	6,300	
	7/22/2014	175.37	6.22	0	169.15	--	1,600	49,000	--	6,600	3,300	1,100	7,100	
	1/27/2015	**175.37**	**4.61**	**0**	**170.76**	**--**	**500**	**73,000**	**--**	**10,000**	**6,500**	**1,600**	**11,000**	

Table 5
Historical Groundwater Monitoring Data and Analytical Results
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE SAMPLED	TOC* (ft)	DTW (ft)	LNAPL (ft)	GWE* (ft)	OIL AND GREASE (µg/L)	TPH-DRO W/SGC (µg/L)	TPH-GRO (µg/L)	TPH-GRO (GC/MS) (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	COMMENTS
MW-11B	7/10/2013	174.65	5.07	0	169.58	--	ND<40	3,800	--	1,300	52	41	300	
	1/16/2014	174.65	5.97	0	168.68	ND<5,000	120	19,000	--	5,700	240	330	470	
	7/22/2014	174.65	5.35	0	169.30	--	260	12,000	--	3,400	64	210	59	
	1/27/2015	**174.65**	**5.78**	**0**	**168.87**	**--**	**170**	**17,000**	**--**	**4,200**	**190**	**310**	**330**	
MW-11S	7/22/2014	176.09	6.05	0	170.04	ND<5,000	2,400	40,000	--	4,200	3,000	690	7,100	
	1/27/2015	**176.09**	**4.69**	**0**	**171.40**	**ND<5,000**	**210**	**3,300**	**--**	**230**	**16**	**64**	**100**	

NOTES:

* TOC and GWE are in feet above mean sea level
µg/L = Micrograms per liter
-- = Not available/not sampled
B = Benzene
DTW = Depth to water below TOC
E = Ethylbenzene
ft = Feet
GC/MS = Gas chromatography/mass spectrometery
GWE = Groundwater elevation
ID = Identification
LNAPL = Light non-aqueous phase liquid
ND<# = Analyte not detected at or above indicated practical quantitation limit
Q1 = 1st quarter
QA = Trip blank
T = Toluene
TOC = Top of casing
TPH-DRO W/SGC = Total petroleum hydrocarbons-diesel range organics with silica gel cleanup
TPH-GRO = Total petroleum hydrocarbons-gasoline range organics
X = Total xylenes

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-1	7/20/1999	ND	--	--	--	--	--	--	--	--	--	--
	9/28/1999	321	333	ND	--	--	--	--	--	ND	ND	ND
	1/7/2000	ND	--	--	--	--	--	--	--	--	--	--
	3/31/2000	ND	--	--	--	--	--	--	--	--	--	--
	7/14/2000	ND	--	--	--	--	--	--	--	--	--	--
	10/3/2000	ND	--	--	--	--	--	--	--	--	--	--
	1/3/2001	2,200	--	--	--	--	--	--	--	--	--	--
	4/4/2001	ND	481	ND	--	ND	ND	--	ND	ND	ND	ND
	7/17/2001	ND	230	ND	--	ND	ND	--	ND	ND	ND	ND
	10/3/2001	ND<2,500	--	--	--	--	--	--	--	--	--	--
	10/5/2001	--	--	--	--	--	--	--	--	--	--	--
	1/28/2002	3,000	440	--	--	--	--	--	--	--	--	--
	4/25/2002	810	670	--	--	--	--	--	--	--	--	--
	7/18/2002	ND<500	620	ND<100	--	ND<2,500,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	10/7/2002	1,300	760	ND<10,000	--	ND<50,000,000	ND<200	--	ND<200	ND<200	ND<200	ND<200
	1/6/2003	ND<1,000	790	ND<20,000	--	ND<100,000,000	ND<400	--	ND<400	ND<400	ND<400	ND<400
	4/7/2003	1,000	800	ND<10,000	--	ND<50,000,000	ND<200	--	ND<200	ND<200	ND<200	ND<200
	7/7/2003	600	530	ND<25,000	ND<120,000	--	ND<500	--	ND<500	ND<500	ND<500	ND<500
	10/9/2003	--	660	ND<2,0000	--	ND<100,000	ND<400	--	ND<400	ND<400	ND<400	ND<400
	1/14/2004	ND<1,300	ND<800	ND<40,000	--	ND<200,000	ND<800	--	ND<800	ND<800	ND<800	ND<800
	4/28/2004	1,400	560	800	--	ND<1,000	ND<50	--	ND<50	ND<1	ND<1	ND<1
	7/12/2004	490	440	1,100	--	ND<20,000	ND<10	--	ND<10	ND<20	ND<20	ND<20
	10/25/2004	ND<1,300	330	ND<2,000	--	ND<20,000	ND<200	--	ND<200	ND<400	ND<200	ND<200
	1/17/2005	ND<1,300	570	3,100	--	ND<20,000	ND<200	--	ND<200	ND<400	ND<200	ND<200
	4/6/2005	ND<1,300	580	1,500	--	ND<10,000	ND<100	--	ND<100	ND<100	ND<100	ND<100
	7/8/2005	ND<1,300	290	ND<1,300	--	ND<13,000	ND<130	--	3.8	ND<130	ND<130	ND<130
	10/7/2005	330	250	680	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/27/2006	450	360	ND<500	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	4/28/2006	460	280	ND<500	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	7/28/2006	330	220	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/27/2006	280	250	ND<2,500	--	ND<62,000	ND<120	--	ND<120	ND<120	ND<120	ND<120
	1/10/2007	350	260	ND<1,000	--	ND<25,000	ND<50	--	ND<50	ND<50	ND<50	ND<50

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	4/13/2007	270	220	730	--	ND<250	ND<0.50	--	0.68	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	1,000	200	ND<1,000	--	ND<25,000	ND<50	--	ND<50	ND<50	ND<50	ND<50
	10/8/2007	--	--	--	--	--	--	--	--	--	--	--
	1/9/2008	840	170	ND<250	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	4/4/2008	--	160	770	--	ND<5,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	7/3/2008	--	110	ND<250	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	10/3/2008	--	180	ND<200	--	ND<5,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	1/22/2009	--	160	ND<500	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	4/13/2009	--	150	280	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	7/23/2009	--	140	ND<2,000	--	ND<50,000	ND<100	--	ND<100	ND<100	ND<100	ND<100
	2/1/2010	--	ND<50	--	--	--	--	--	--	--	--	--
	8/2/2010	--	ND<10	--	--	--	ND<10	ND<10	ND<10	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--
MW-1B	11/1/2010	--	30	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/31/2011	--	46	28	--	ND<250	ND<0.50	--	0.76	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	44	33	--	ND<250	ND<0.50	--	0.82	ND<0.50	ND<0.50	ND<0.50
	7/25/2011	--	47	28	--	ND<250	ND<0.50	--	0.75	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	41	30	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/23/2012	--	32	23	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	55	18	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/24/2012	--	46	27	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	28	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/10/2013	--	12	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	42	ND<10	ND<250	--	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**0.96**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-2	7/20/1999	4,500	11,000	--	--	--	--	--	--	--	--	--
	9/28/1999	5,280	6,150	ND	--	--	--	--	--	ND	ND	ND
	1/7/2000	33,100	--	--	--	--	--	--	--	--	--	--
	3/31/2000	17,000	--	--	--	--	--	--	--	--	--	--

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	7/14/2000	66,500	--	--	--	--	--	--	--	--	--	--
	10/3/2000	57,500	--	--	--	--	--	--	--	--	--	--
	1/3/2001	49,000	--	--	--	--	--	--	--	--	--	--
	4/4/2001	38,700	37,800	ND	--	ND	ND	--	ND	ND	ND	ND
	7/17/2001	65,000	56,000	ND	--	ND	ND	--	ND	ND	ND	ND
	10/3/2001	14,000	18,000	--	--	--	--	--	--	--	--	--
	1/28/2002	11,000	10,000	--	--	--	--	--	--	--	--	--
	4/25/2002	8,400	8,100	--	--	--	--	--	--	--	--	--
	7/18/2002	4,300	8,800	ND<1,000	--	ND<25,000,000	ND<100	--	ND<100	ND<100	ND<100	ND<100
	10/7/2002	7,100	5,900	ND<20,000	--	ND<100,000,000	ND<400	--	ND<400	ND<400	ND<400	ND<400
	1/6/2003	31,000	35,000	ND<50,000	--	ND<250,000,000	ND<1,000	--	ND<1,000	ND<1,000	ND<1,000	ND<1,000
	4/7/2003	2,000	1,500	ND<2,000	--	ND<10,000,000	ND<40	--	ND<40	ND<40	ND<40	ND<40
	7/7/2003	5,500	8,300	ND<5,000	--	ND<25,000,000	ND<100	--	ND<100	ND<100	ND<100	ND<100
	10/9/2003	--	8,500	ND<10,000	--	ND<50,000	ND<200	--	ND<200	ND<200	ND<200	ND<200
	1/14/2004	2,600	3,200	ND<2,500	--	ND<13,000	ND<50	--	ND<50	ND<50	ND<50	ND<50
	4/28/2004	35,000	22,000	13,000	--	ND<1,000	ND<0.5	--	ND<0.5	ND<1	ND<1	11
	7/12/2004	3,000	3,000	110	--	ND<4,000	ND<3	--	ND<3	ND<5	ND<5	ND<5
	10/25/2004	1,800	1,600	1,100	--	ND<1,300	ND<13	--	ND<13	ND<25	ND<13	ND<13
	1/17/2005	1,600	1,500	1,200	--	ND<1,300	ND<13	--	ND<13	ND<25	ND<13	ND<13
	4/6/2005	2,500	3,200	2,800	--	ND<2,500	ND<25	--	ND<25	ND<25	ND<25	ND<25
	7/8/2005	2,900	3,100	4,300	--	ND<2,500	ND<25	--	ND<25	ND<25	ND<25	ND<25
	10/7/2005	5,900	5,200	8,700	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	1/27/2006	2,600	2,800	5,200	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	4/28/2006	3,700	3,600	6,700	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	1.6
	7/28/2006	3,000	2,900	5,100	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	10/27/2006	1,600	1,300	6,600	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	1/10/2007	2,300	2,000	6,000	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	4/13/2007	3,600	3,200	7,400	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	7/19/2007	2,000	2,000	6,200	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	10/8/2007	5,000	4,000	20,000	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/9/2008	2,100	2,200	9,900	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/4/2008	--	2,100	5,800	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	7/3/2008	--	1,400	8,300	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	750	5,900	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	1/22/2009	--	850	7,400	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2009	--	990	5,500	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	7/23/2009	--	390	5,000	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	2/1/2010	--	290	--	--	--	--	--	--	--	--	--
	8/2/2010	--	140	--	--	--	ND<1.0	ND<1.0	ND<1.0	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--
MW-2B	11/1/2010	--	250	2,000	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/31/2011	--	310	1,300	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	240	770	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/25/2011	--	170	1,100	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	100	840	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/23/2012	--	95	370	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	140	310	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/24/2012	--	53	270	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	1.2	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/10/2013	--	0.86	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	9.6	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**3.9**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-3	7/20/1999	330	--	--	--	--	--	--	--	--	--	--
	9/28/1999	443	288	ND	--	--	--	--	--	ND	ND	8.80
	1/7/2000	1,940	--	--	--	--	--	--	--	--	--	--
	3/31/2000	2,800	--	--	--	--	--	--	--	--	--	--
	7/14/2000	548	--	--	--	--	--	--	--	--	--	--
	10/3/2000	965	--	--	--	--	--	--	--	--	--	--
	1/3/2001	3,300	--	--	--	--	--	--	--	--	--	--
	4/4/2001	1,050	450	ND	--	ND	ND	--	ND	ND	ND	ND
	7/17/2001	ND	350	ND	--	ND	ND	--	ND	ND	ND	ND

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4276 MacArthur Boulevard
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WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	10/3/2001	ND<1000	--	--	--	--	--	--	--	--	--	--
	1/28/2002	3,200	210	--	--	--	--	--	--	--	--	--
	4/25/2002	500	260	--	--	--	--	--	--	--	--	--
	7/18/2002	ND<250	270	ND<50	--	ND<1,200,000	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	10/7/2002	ND<120	ND<200	ND<10,000	--	ND<50,000,000	ND<200	--	ND<200	ND<200	ND<200	ND<200
	1/6/2003	440	110	ND<4,000	--	23,000,000	ND<80	--	ND<80	ND<80	ND<80	ND<80
	4/7/2003	440	100	ND<4,000	--	ND<20,000,000	ND<80	--	ND<80	ND<80	ND<80	ND<80
	7/7/2003	280	100	ND<2,000	--	ND<10,000,000	ND<40	--	ND<40	ND<40	ND<40	ND<40
	10/9/2003	--	190	ND<1,000	--	ND<5,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	1/14/2004	190	230	ND<1,000	--	ND<5,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	4/28/2004	740	240	ND<12	--	ND<1,000	ND<3	--	ND<3	ND<1	ND<1	ND<1
	7/12/2004	180	100	350	--	ND<20,000	ND<10	--	ND<10	ND<20	ND<20	ND<20
	10/25/2004	94	260	39	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5
	1/17/2005	55	200	120	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5
	4/6/2005	ND<250	200	150	--	ND<1,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	7/8/2005	ND<250	150	64	--	ND<250	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	10/7/2005	260	180	ND<200	--	ND<5,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	1/27/2006	280	250	ND<10	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	4/28/2006	230	180	190	--	ND<250	ND<0.50	--	0.63	ND<0.50	ND<0.50	ND<0.50
	7/28/2006	250	150	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/27/2006	250	140	ND<10	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50
	1/10/2007	230	150	66	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	4/13/2007	230	160	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	190	180	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/8/2007	180	120	ND<20	--	ND<500	ND<1.0	--	1.1	ND<1.0	ND<1.0	ND<1.0
	1/9/2008	290	120	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	4/4/2008	--	120	ND<50	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	7/3/2008	--	190	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	71	ND<100	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	1/22/2009	--	130	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	4/13/2009	--	120	ND<10	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50
	7/23/2009	--	120	ND<100	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0

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4276 MacArthur Boulevard
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WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	2/1/2010	--	97	--	--	--	--	--	--	--	--	--
	8/2/2010	--	89	--	--	--	ND<0.50	--	ND<0.50	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--
MW-3B	11/1/2010	--	46	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/31/2011	--	73	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	52	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/25/2011	--	62	47	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	61	64	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/23/2012	--	56	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	68	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/24/2012	--	54	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	20	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/10/2013	--	14	ND<100	ND<2,500	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	1/16/2014	--	13	ND<10	ND<250	--	ND<5.0	--	1.2	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	8.8	ND<20	ND<500	--	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	1/27/2015	**--**	**14**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**15**
MW-4	7/20/1999	100	--	--	--	--	--	--	--	--	--	--
	9/28/1999	416	459	ND	--	--	--	--	--	ND	ND	ND
	1/7/2000	764	--	--	--	--	--	--	--	--	--	--
	3/31/2000	1,000	--	--	--	--	--	--	--	--	--	--
	7/14/2000	1,530	--	--	--	--	--	--	--	--	--	--
	10/3/2000	1,040	--	--	--	--	--	--	--	--	--	--
	1/3/2001	850	--	--	--	--	--	--	--	--	--	--
	4/4/2001	1,140	819	ND	--	ND	ND	--	ND	ND	ND	ND
	7/17/2001	1,200	900	ND	--	ND	ND	--	ND	ND	ND	ND
	10/3/2001	580	820	--	--	--	--	--	--	--	--	--
	1/28/2002	1,100	500	--	--	--	--	--	--	--	--	--
	4/25/2002	680	600	--	--	--	--	--	--	--	--	--
	7/18/2002	530	760	ND<100	--	ND<2,500,000	ND<10	--	49	ND<10	ND<10	ND<10
	10/7/2002	650	540	ND<10,000	--	ND<50,000,000	ND<200	--	ND<200	ND<200	ND<200	ND<200

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	1/6/2003	370	520	ND<1,000	--	ND<5,000,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	4/7/2003	550	420	ND<1,000	--	ND<5,000,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	7/7/2003	480	450	ND<1,000	--	ND<5,000,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	10/9/2003	--	270	ND<200	--	ND<1,000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0
	1/14/2004	150	180	ND<200	--	ND<1,000	ND<4.0	--	6.5	ND<4.0	ND<4.0	ND<4.0
	4/28/2004	490	310	150	--	ND<1,000	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1
	7/12/2004	710	470	210	--	ND<4,000	ND<3	--	14	ND<5	ND<5	ND<5
	10/25/2004	200	170	38	--	ND<100	ND<1.0	--	2.0	ND<2.0	ND<1.0	ND<1.0
	1/17/2005	240	200	110	--	ND<100	ND<1.0	--	3.6	ND<2.0	ND<1.0	ND<1.0
	4/6/2005	ND<25	26	ND<25	--	73,000	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	7/8/2005	ND<25	64	29	--	ND<50	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	10/7/2005	370	310	210	--	ND<250	ND<0.50	--	26	ND<0.50	ND<0.50	ND<0.50
	1/27/2006	320	240	280	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	4/28/2006	140	140	130	--	ND<250	ND<0.50	--	0.97	ND<0.50	ND<0.50	ND<0.50
	7/28/2006	170	150	64	--	ND<250	ND<0.50	--	5.8	ND<0.50	ND<0.50	ND<0.50
	10/27/2006	130	130	54	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	1/10/2007	160	150	33	--	310	ND<0.50	--	1.9	ND<0.50	ND<0.50	ND<0.50
	4/13/2007	210	160	82	--	ND<250	ND<0.50	--	0.77	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	120	130	13	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/8/2007	160	150	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	1/9/2008	210	220	ND<20	--	ND<500	ND<1.0	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0
	4/4/2008	--	110	27	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50
	7/3/2008	--	100	27	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	100	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/22/2009	--	96	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2009	--	88	39	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	7/23/2009	--	92	42	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	2/1/2010	--	51	--	--	--	--	--	--	--	--	--
	8/2/2010	--	48	--	--	--	ND<0.50	ND<1.0	1.4	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--
MW-4B	11/1/2010	--	20	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	1/31/2011	--	30	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	26	25	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/25/2011	--	28	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	25	25	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/23/2012	--	17	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	21	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/24/2012	--	24	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	2.8	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/10/2013	--	0.64	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	2.3	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**2.1**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-5	10/3/2001	1,800	2,100	--	--	--	--	--	--	--	--	--
	1/28/2002	650	550	--	--	--	--	--	--	--	--	--
	4/25/2002	2,200	2,400	--	--	--	--	--	--	--	--	--
	7/18/2002	530	690	ND<20	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	10/7/2002	300	330	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	1/6/2003	410	350	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	4/7/2003	450	420	ND<500	--	ND<2,500,000	ND<10	--	ND<10	ND<10	ND<10	ND<10
	7/7/2003	220	200	ND<200	--	ND<1,000,000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0
	10/9/2003	--	290	ND<200	--	ND<1,000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0
	1/14/2004	670	760	ND<2,000	--	ND<10,000	ND<40	--	ND<40	ND<40	ND<40	ND<40
	4/28/2004	1,200	790	ND<12	--	ND<1,000	ND<0.5	--	1.8	ND<1	ND<1	ND<1
	7/12/2004	2.8	ND<0.5	ND<12	--	ND<800	ND<0.5	--	0.76	ND<1	ND<1	ND<1
	10/25/2004	780	1,100	ND<500	--	ND<5,000	ND<50	--	ND<50	ND<100	ND<50	ND<50
	1/17/2005	530	550	100	--	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5
	4/6/2005	600	760	7.6	--	ND<50	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	7/8/2005	570	630	180	--	ND<500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	10/7/2005	530	490	ND<10	--	ND<250	ND<0.50	--	1.0	ND<0.50	ND<0.50	ND<0.50
	1/27/2006	580	610	1,000	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	4/28/2006	590	520	130	--	ND<250	ND<0.50	--	0.95	ND<0.50	ND<0.50	ND<0.50

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	7/28/2006	440	420	ND<100	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	10/27/2006	460	390	43	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	1/10/2007	430	420	28	--	ND<250	ND<0.50	--	1.7	ND<0.50	ND<0.50	ND<0.50
	4/13/2007	160	120	ND<10	--	ND<250	ND<0.50	--	0.84	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	19	23	ND<10	--	ND<250	ND<0.50	--	ND<5.0	ND<0.50	ND<0.50	ND<0.50
	10/8/2007	310	280	ND<10	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50
	1/9/2008	170	170	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	4/4/2008	--	260	ND<10	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	7/3/2008	--	360	ND<10	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	240	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/22/2009	--	170	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2009	--	190	ND<10	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	7/23/2009	--	210	ND<10	--	ND<250	ND<0.50	--	1.8	ND<0.50	ND<0.50	ND<0.50
	2/1/2010	--	120	--	--	--	--	--	--	--	--	--
	8/2/2010	--	42	--	--	--	ND<0.50	--	ND<0.50	--	--	--
	11/1/2010	--	--	--	--	--	--	--	--	--	--	--
	1/31/2011	--	130	ND<10	--	ND<250	ND<0.50	--	1.6	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	--	--	--	--	--	--	--	--	--	--
	7/25/2011	--	130	ND<10	--	ND<250	ND<0.50	--	1.6	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	--	--	--	--	--	--	--	--	--	--
	1/23/2012	--	52	22	--	ND<250	ND<0.50	--	0.92	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	--	--	--	--	--	--	--	--	--	--
	7/24/2012	--	81	20	--	ND<250	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	21	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/10/2013	--	4.7	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	39	ND<10	ND<250	--	ND<0.50	--	0.67	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**2.9**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-6	10/3/2001	200	270	--	--	--	--	--	--	--	--	--
	1/28/2002	ND<2.5	--	--	--	--	--	--	--	--	--	--
	4/25/2002	ND<2.5	--	--	--	--	--	--	--	--	--	--

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	7/18/2002	ND<2.5	ND<2.0	ND<20	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	10/7/2002	ND<2.5	ND<2.0	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	1/6/2003	ND<2.0	ND<2.0	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	4/7/2003	46	46	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	7/7/2003	ND<2.0	ND<2.0	ND<100	--	ND<500,000	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	10/9/2003	--	ND<2.0	ND<100	--	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	1/14/2004	ND<5.0	ND<2.0	ND<100	--	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0
	4/28/2004	ND<1	ND<0.5	ND<12	--	ND<1,000	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1
	7/12/2004	6.4	ND<0.5	ND<12	--	ND<800	ND<0.5	--	ND<0.5	ND<1	ND<1	ND<1
	10/25/2004	ND<5.0	0.57	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50
	1/17/2005	ND<5.0	ND<0.50	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50
	4/6/2005	ND<5.0	ND<0.50	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/8/2005	ND<5.0	ND<0.50	ND<5.0	--	ND<50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/7/2005	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/27/2006	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/28/2006	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/28/2006	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/27/2006	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/10/2007	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2007	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/8/2007	ND<1.0	0.80	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/9/2008	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/4/2008	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/3/2008	--	1.4	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	1.8	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/22/2009	--	1.2	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2009	--	0.72	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/23/2009	--	--	--	--	--	--	--	--	--	--	--
	2/1/2010	--	--	--	--	--	--	--	--	--	--	--
	8/2/2010	--	--	--	--	--	--	--	--	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--

Table 6
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76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-7	10/3/2001	35,000	40,000	--	--	--	--	--	--	--	--	--
	1/28/2002	42,000	38,000	--	--	--	--	--	--	--	--	--
	4/25/2002	42,000	45,000	--	--	--	--	--	--	--	--	--
	7/18/2002	51,000	53,000	33,000	--	ND<5,000,000	ND<20	--	ND<20	ND<20	ND<20	ND<20
	10/7/2002	33,000	38,000	26,000	--	ND<100,000,000	ND<400	--	ND<400	ND<400	ND<400	ND<400
	1/6/2003	3,900	3,100	ND<10,000	--	ND<50,000,000	ND<200	--	ND<200	ND<200	ND<200	ND<200
	4/7/2003	32,000	28,000	ND<40,000	--	ND<200,000,000	ND<800	--	ND<800	ND<800	ND<800	ND<800
	7/7/2003	36,000	45,000	27,000	--	ND<100,000,000	ND<400	--	ND<400	ND<400	ND<400	ND<400
	10/9/2003	--	20,000	ND<25,000	--	ND<130,000	ND<500	--	ND<500	ND<500	ND<500	ND<500
	1/14/2004	20,000	25,000	ND<40,000	--	ND<200,000	ND<800	--	ND<800	ND<800	ND<800	ND<800
	4/28/2004	30,000	21,000	9,200	--	ND<1,000	ND<0.5	--	6.8	ND<1	ND<1	12
	7/12/2004	12,000	11,000	4,600	--	ND<8,000	ND<5	--	5.1	ND<10	ND<10	ND<10
	10/25/2004	13,000	14,000	3,900	--	ND<5,000	ND<50	--	ND<50	ND<100	ND<50	ND<50
	1/17/2005	17,000	16,000	4,200	--	ND<5,000	ND<50	--	ND<50	ND<100	ND<50	ND<50
	4/6/2005	14,000	17,000	4,200	--	ND<10,000	ND<0.50	--	6.4	ND<0.50	ND<0.50	9.3
	7/8/2005	8,600	11,000	4,300	--	ND<5,000	ND<50	--	ND<50	ND<50	ND<50	ND<50
	10/7/2005	9,400	9,800	1,100	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	1/27/2006	9,900	7,900	1,600	--	ND<25,000	ND<50	--	ND<50	ND<50	ND<50	ND<50
	4/28/2006	9,600	11,000	2,900	--	ND<250	ND<0.50	--	3.4	ND<0.50	ND<0.50	6.3
	7/28/2006	5,000	5,300	1,300	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	10/27/2006	4,700	3,700	1,700	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	1/10/2007	4,400	4,400	1,300	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	4/13/2007	--	--	--	--	--	--	--	--	--	--	--
	7/19/2007	2,700	3,300	ND<100	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	10/8/2007	2,500	2,200	ND<500	--	ND<12,000	ND<25	--	ND<25	ND<25	ND<25	ND<25
	1/9/2008	1,900	1,900	2,700	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	1.1
	4/4/2008	--	2,700	1,400	--	ND<6,200	ND<12	--	ND<12	ND<12	ND<12	ND<12
	7/3/2008	--	2,300	940	--	ND<250	ND<0.50	--	2.2	ND<0.50	ND<0.50	1.2
	10/3/2008	--	1,800	540	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	1/22/2009	--	1,300	370	--	ND<1,200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	4/13/2009	--	1,200	420	--	ND<5,000	ND<10	--	ND<10	ND<10	ND<10	ND<10

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
	7/23/2009	--	900	370	--	ND<2,500	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	2/1/2010	--	720	--	--	--	--	--	--	--	--	--
	8/2/2010	--	770	--	--	--	ND<0.50	--	1.9	--	--	--
	11/1/2010	--	--	--	--	--	--	--	--	--	--	--
	1/31/2011	--	600	160	--	ND<250	ND<0.50	--	1.3	ND<0.50	ND<0.50	ND<0.50
	4/26/2011	--	--	--	--	--	--	--	--	--	--	--
	7/25/2011	--	620	220	--	ND<250	ND<0.50	--	1.6	ND<0.50	ND<0.50	ND<0.50
	10/7/2011	--	--	--	--	--	--	--	--	--	--	--
	1/23/2012	--	390	190	--	ND<250	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	4/6/2012	--	--	--	--	--	--	--	--	--	--	--
	7/24/2012	--	300	160	--	ND<250	ND<0.50	--	1.5	ND<0.50	ND<0.50	ND<0.50
	2/8/2013	--	610	ND<50	ND<1,200	--	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	7/10/2013	--	450	44	ND<250	--	ND<0.50	--	1.2	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	310	ND<10	ND<250	--	ND<0.50	--	1.4	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**180**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**0.80**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-8	1/18/2008	ND<1.0	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/4/2008	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/3/2008	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	10/3/2008	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/22/2009	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	4/13/2009	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/23/2009	--	ND<0.50	ND<10	--	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	2/1/2010	--	ND<0.50	--	--	--	--	--	--	--	--	--
	8/2/2010	--	--	--	--	--	--	--	--	--	--	--
	8/24/2010	--	--	--	--	--	--	--	--	--	--	--
MW-9A	7/10/2013	--	4.4	1,700	ND<250	--	ND<0.50	--	16	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	ND<0.50	2,800	ND<250	--	ND<0.50	--	25	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	4.1	2,600	ND<1,200	--	ND<2.5	--	18	ND<2.5	ND<2.5	ND<2.5
	1/27/2015	**--**	**3.9**	**1,100**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**58**

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)
MW-9B	7/10/2013	--	18	ND<10	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	56	ND<10	ND<250	--	ND<0.50	--	1.7	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**9.8**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10A	7/10/2013	--	310	1,500	ND<2,500	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	1/16/2014	--	420	1,800	ND<2,500	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	7/22/2014	--	360	ND<100	ND<2,500	--	ND<5.0	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	1/27/2015	**--**	**340**	**1,500**	**ND<2,500**	**--**	**ND<5.0**	**--**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**50**
MW-10B	7/10/2013	--	110	370	ND<250	--	ND<0.50	--	3.5	ND<0.50	ND<0.50	ND<0.50
	1/16/2014	--	100	630	ND<250	--	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/22/2014	--	89	ND<50	ND<1,200	--	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	1/27/2015	**--**	**59**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-10S	7/22/2014	--	--	--	--	--	--	--	--	--	--	--
	1/27/2015	**--**	**3.9**	**180**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**2.5**
MW-11A	7/10/2013	--	3,600	4,900	ND<6,200	--	ND<12	--	ND<12	ND<12	ND<12	ND<12
	1/16/2014	--	3,600	4,000	ND<6,200	--	ND<12	--	ND<12	ND<12	ND<12	ND<12
	7/22/2014	--	2,800	ND<250	ND<6,200	--	ND<12	--	ND<12	ND<12	ND<12	ND<12
	1/27/2015	**--**	**2,200**	**3,600**	**ND<6,200**	**--**	**ND<12**	**--**	**ND<12**	**ND<12**	**ND<12**	**90**
MW-11B	7/10/2013	--	490	1,500	ND<1,200	--	ND<2.5	--	57	ND<2.5	ND<2.5	ND<2.5
	1/16/2014	--	2,100	5,200	ND<1,200	--	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	7/22/2014	--	1,400	5,500	ND<5,000	--	ND<10	--	ND<10	ND<10	ND<10	ND<10
	1/27/2015	**--**	**1,200**	**3,000**	**ND<1,200**	**--**	**ND<2.5**	**--**	**110**	**ND<2.5**	**ND<2.5**	**46**
MW-11S	7/22/2014	--	1,300	4,800	ND<6,200	--	ND<12	--	ND<12	ND<12	ND<12	ND<12
	1/27/2015	**--**	**29**	**ND<10**	**ND<250**	**--**	**ND<0.50**	**--**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**1.2**

Table 6
Historical Groundwater Analytical Results - Oxygenate Compounds
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	TBA (µg/L)	ETHANOL 8260B (µg/L)	ETHANOL 8015B (µg/L)	EDB (µg/L)	EDB 504 (µg/L)	EDC (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)

NOTES:

8021B = Analyzed by Environmental Protection Agency (EPA) Method 8021B
8260B = Analyzed by EPA Method 8260B
8015B = Analyzed by EPA Method 8015B
504 = Analyzed by EPA Method 504
µg/L = Micrograms per liter
-- = Not sampled
DIPE = Diisopropyl ether
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
ETBE = Ethyl t-butyl ether
ID = Identification
MTBE = Methyl t-butyl ether
ND = Not detected
ND<# = Analyte not detected at or above indicated practical quantitation limit
QA = Trip blank
TAME = t-amyl methyl ether
TBA = t-butyl alcohol

Table 7
Historical Groundwater Analytical Results - Monitored Natural Attenuation Parameters
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	METHANE (mg/L)	NITRATE AS NO3 (mg/L)	SULFATE (mg/L)	IRON (II) SPECIES (µg/L)	DISSOLVED MANGANESE (µg/L)
MW-1B	1/16/2014	0.013	7.2	19	ND<100	120
MW-2B	1/16/2014	0.0021	ND<0.44	7.9	ND<100	260
MW-3B	1/16/2014	12	ND<0.44	1.0	5,200	3,300
	7/22/2014	13	ND<0.44	1.8	5,900	3,300
	1/27/2015	**11**	**ND<0.44**	**1.8**	**1,600**	**3,700**
MW-4B	1/16/2014	0.0079	12	28	ND<100	70
MW-5	1/16/2014	0.0027	4.5	27	ND<100	5.2
MW-7	1/16/2014	0.081	ND<0.44	4.1	2,200	300
MW-9A	1/16/2014	2.5	ND<0.88	8.6	2,400	1,500
	7/22/2014	1.9	ND<0.88	ND<2.0	6,800	1,600
	1/27/2015	**1.7**	**14**	**ND<1.0**	**6,200**	**1,400**
MW-9B	1/16/2014	0.0017	4.7	18	ND<100	630
MW-10A	1/16/2014	1.7	ND<0.44	ND<1.0	5,800	1,100
	7/22/2014	2.8	ND<0.44	ND<1.0	7,200	1,200
	1/27/2015	**2.0**	**--**	**--**	**--**	**--**
MW-10B	1/16/2014	0.63	ND<0.44	ND<1.0	7,300	5,400
	7/22/2014	0.064	ND<0.44	ND<1.0	4,200	5,000
	1/27/2015	**0.67**	**ND<0.44**	**ND<1.0**	**6,400**	**5,000**
MW-10S	**1/27/2015**	**0.25**	**ND<0.44**	**72**	**700**	**1,200**
MW-11A	1/16/2014	2.3	ND<0.44	ND<1.0	7,900	3,700
	7/22/2014	4.6	ND<0.44	ND<1.0	6,100	4,600
	1/27/2015	**3.9**	**ND<0.44**	**ND<1.0**	**7,000**	**4,100**
MW-11B	1/16/2014	0.31	ND<0.44	5.2	6,600	1,100
	7/22/2014	0.48	ND<0.44	ND<1.0	2,700	1,600
	1/27/2015	**0.68**	**ND<0.44**	**ND<1.0**	**8,800**	**1,500**
MW-11S	7/22/2014	0.50	ND<0.44	30	1,900	1,800
	1/27/2015	**0.30**	**ND<0.44**	**22**	**690**	**1,200**

Table 7
Historical Groundwater Analytical Results - Monitored Natural Attenuation Parameters
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	METHANE (mg/L)	NITRATE AS NO3 (mg/L)	SULFATE (mg/L)	IRON (II) SPECIES (µg/L)	DISSOLVED MANGANESE (µg/L)

NOTES:

Methane analyzed by RSK-175M

Nitrate as NO3 and sulfate analyzed by Environmental Protection Agency (EPA) Method 300.0

Iron (II) Species analyzed by SM-3500-FeD

Dissolved Manganese analyzed by EPA Method 200.8

µg/L = Micrograms per liter

-- = Not sampled

ID = Identification

mg/L = Milligrams per liter

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

Table 8a
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Acenaph-thylene (µg/L)	Bromo-dichloro-methane (µg/L)	Bromo-form (µg/L)	Bromo-methane (µg/L)	Carbon Tetra-chloride (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloroform (µg/L)	Chloro-methane (µg/L)	Dibromo-chloro-methane (µg/L)	1,2-Dichloro-benzene (µg/L)	1,3-Dichloro-benzene (µg/L)
MW-1	7/20/1999	--	--	--	--	--	12	--	--	--	--	3.9	--
	3/31/2000	--	--	--	--	--	--	--	--	--	--	6.2	--
	4/4/2001	--	--	--	--	--	5.6	--	--	--	--	4.6	--
	7/17/2001	--	--	--	--	--	--	--	--	--	--	18	--
	7/18/2002	--	--	--	--	--	5.9	1.1	--	--	--	5.8	--
	7/7/2003	--	--	--	--	--	ND<120	--	--	--	--	--	--
	7/12/2004	ND<2	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<2
	7/8/2005	--	ND<0.50	ND<2.0	ND<1.0	ND<0.50	12	1.0	ND<0.50	ND<1.0	ND<0.50	9.0	ND<0.50
	7/28/2006	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	7/19/2007	--	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
	7/3/2008	--	ND<12	ND<12	ND<25	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12
MW-7	1/6/2003	--	--	--	--	--	ND<50	--	--	--	--	--	--

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8b
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	1,4-Dichloro-benzene (µg/L)	Dichloro-difluoro-methane (µg/L)	1,1-Dichloro-ethane (µg/L)	1,1-Dichloro-ethene (µg/L)	cis-1,2-Dichloro-ethene (µg/L)	trans-1,2-Dichloro-ethene (µg/L)	1,2-Dichloro-propane (µg/L)	cis-1,3-Dichloro-propene (µg/L)	trans-1,3-Dichloro-propene (µg/L)	Hexa-chloro-butadiene (µg/L)	Methylene chloride (µg/L)	Naph-thalene (µg/L)
MW-1	7/20/1999	--	--	2.0	--	3.6	--	0.92	--	--	--	--	600
	9/28/1999	--	--	--	--	--	--	--	--	--	--	--	534
	1/7/2000	--	--	--	--	--	--	--	--	--	--	--	1,050
	3/31/2000	--	--	--	--	--	--	--	--	--	--	--	140
	7/14/2000	--	--	--	--	--	--	--	--	--	--	--	690
	10/3/2000	--	--	--	--	--	--	--	--	--	--	--	361
	1/3/2001	--	--	--	--	--	--	--	--	--	--	--	400
	4/4/2001	--	--	--	--	3.4	--	--	--	--	--	--	490
	7/17/2001	--	--	--	--	--	--	--	--	--	--	--	740
	7/18/2002	1.3	--	--	--	1.3	--	--	--	--	--	--	910
	7/7/2003	--	--	--	--	ND<120	--	--	--	--	--	--	850
	7/12/2004	ND<2	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<2	ND<20	450
	7/8/2005	1.2	ND<1.0	1.3	ND<0.50	3.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<5.0	250
	7/28/2006	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.5	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<1.0	--
	7/19/2007	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<100	--
	7/3/2008	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	ND<12	--	ND<25	--
MW-5	1/6/2003	--	--	--	--	ND<0.50	--	--	--	--	--	--	ND<10
MW-7	1/6/2003	--	--	--	--	ND<50	--	--	--	--	--	--	ND<10

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8c
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	n-Propyl-benzene (µg/L)	1,1,2,2-Tetrachloro-ethane (µg/L)	Tetrachloro-ethene (PCE) (µg/L)	Trichloro-trifluoro-ethane (µg/L)	1,2,4-Trichloro-benzene (µg/L)	1,1,1-Trichloro-ethane (µg/L)	1,1,2-Trichloro-ethane (µg/L)	Trichloro-ethene (TCE) (µg/L)	Trichloro-fluoro-methane (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	Vinyl chloride (µg/L)
MW-1	9/28/1999	--	--	--	--	--	--	--	--	--	1240	318	--
	1/7/2000	371	--	--	--	--	--	--	--	--	2210	597	--
	7/14/2000	--	--	334	--	--	--	--	--	--	--	--	--
	7/18/2002	--	--	ND<0.60	--	--	--	--	--	--	--	--	--
	7/7/2003	--	--	ND<120	--	--	--	--	--	--	--	--	--
	7/12/2004	--	ND<10	ND<10	ND<10	ND<2	ND<10	ND<10	ND<10	ND<10	--	--	ND<10
	7/8/2005	--	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<0.50	ND<0.50	0.73	ND<1.0	--	--	ND<0.50
	7/28/2006	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	ND<0.50
	7/19/2007	--	ND<50	ND<50	ND<50	--	ND<50	ND<50	ND<50	ND<50	--	--	ND<50
	7/3/2008	--	ND<12	ND<12	ND<12	--	ND<12	ND<12	ND<12	ND<12	--	--	ND<12
MW-5	1/6/2003	--	--	ND<0.50	--	--	--	--	--	--	--	--	--
MW-7	1/6/2003	--	--	ND<50	--	--	--	--	--	--	--	--	--

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8d
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Acena-phthene (µg/L)	Acena-phthylene (svoc) (µg/L)	Anthra-cene (µg/L)	Benzo[a]-anthracene (µg/L)	Benzo[a]-pyrene (µg/L)	Benzo[b]-fluor-anthene (µg/L)	Benzo-[g,h,I]-perylene (µg/L)	Benzo[k]-fluor-anthene (µg/L)	Benzoic Acid (µg/L)	Benzyl Alcohol (µg/L)	Bis(2-chloro-ethoxy) methane (µg/L)	Bis(2-chloro-ethyl) ether (µg/L)
MW-1	7/12/2004	ND<2	--	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	--	--	--	--
	7/28/2006	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10
	7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2	ND<2.2
	7/3/2008	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20	ND<20

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8e
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Bis(2-chloro-isopropyl)-ether (µg/L)	Bis(2-ethyl-hexyl) phthalate (µg/L)	4-Bromo-pheny phe-nyl ether (µg/L)	Butyl-benzyl phthalate (µg/L)	4-Chloro-3-methyl-phenol (µg/L)	4-Chloro-aniline (µg/L)	2-Chloro-naphtha-lene (µg/L)	2-Chloro-phenol (µg/L)	4-Chloro-phenyl phenyl ether (µg/L)	Chrysene (µg/L)	Dibenzo-[a,h]-anthracene (µg/L)	Dibenzo-furan (µg/L)
MW-1	3/31/2000	--	10	--	--	--	--	--	--	--	--	--	--
	10/3/2000	--	51.6	--	--	--	--	--	--	--	--	--	--
	4/4/2001	--	55	--	--	--	--	--	--	--	--	--	--
	7/17/2001	--	400	--	--	--	--	--	--	--	--	--	--
	7/18/2002	--	120	--	--	--	--	--	--	--	--	--	--
	7/7/2003	--	70	--	--	--	--	--	--	--	--	--	--
	7/12/2004	--	ND<5	--	--	--	--	--	--	--	ND<2	ND<3	--
	7/28/2006	ND<10	33	ND<10	ND<10	ND<25	ND<10	ND<10	ND<10	ND<10	ND<10	ND<15	ND<10
	7/19/2007	ND<2.2	ND<4.4	ND<2.2	ND<2.2	ND<5.5	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<3.3	ND<2.2
	7/3/2008	ND<20	ND<40	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	ND<20	ND<30	ND<20
MW-5	1/6/2003	--	ND<5.0	--	--	--	--	--	--	--	--	--	--
MW-7	1/6/2003	--	ND<5.0	--	--	--	--	--	--	--	--	--	--

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8f
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	1,2-Dichloro-benzene (svoc) (µg/L)	1,3-Dichloro-benzene (svoc) (µg/L)	1,4-Dichloro-benzene (svoc) (µg/L)	3,3-Dichloro-benzidine (µg/L)	2,4-Dichloro-phenol (µg/L)	Diethyl phthalate (µg/L)	2,4-Dimethyl-phenol (µg/L)	Dimethyl phthalate (µg/L)	Di-n-butyl phthalate (µg/L)	2,4-Dinitro-phenol (µg/L)	2,4-Dinitro-toluene (µg/L)	2,6-Dinitro-toluene (µg/L)
MW-1	7/28/2006	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10	ND<10
	7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2	ND<2.2
	7/3/2008	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20	ND<20

NOTES:

µg/L = Micrograms per liter

-- = Not sampled

ID = Identification

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

Table 8g
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Di-n-octyl phthalate (µg/L)	Fluoran-thene (µg/L)	Fluorene (µg/L)	Hexa-chloro-benzene (µg/L)	Hexachloro-butadiene (svoc) (µg/L)	Hexachloro cyclopenta-diene (µg/L)	Hexachloro -ethane (µg/L)	Indeno-[1,2,3-c,d] pyrene (µg/L)	Isophorone (µg/L)	2-Methyl-4,6-dinitro-phenol (µg/L)	2-Methyl-naphtha-lene (µg/L)	2-Methyl-phenol (µg/L)
MW-1	7/20/1999	--	--	--	--	--	--	--	--	--	--	240	--
	9/28/1999	--	--	--	--	--	--	--	--	--	--	87.4	26.4
	1/7/2000	--	--	--	--	--	--	--	--	--	--	315	--
	3/31/2000	--	--	--	--	--	--	--	--	--	--	73	31
	7/14/2000	--	--	--	--	--	--	--	--	--	--	300	--
	10/3/2000	--	--	--	--	--	--	--	--	--	--	98.1	--
	1/3/2001	--	--	--	--	--	--	--	--	--	--	180	--
	4/4/2001	--	--	--	--	--	--	--	--	--	--	78	--
	7/17/2001	--	--	--	--	--	--	--	--	--	--	290	47
	7/18/2002	--	--	--	--	--	--	--	--	--	--	420	13
	7/7/2003	--	--	--	--	--	--	--	--	--	--	260	ND<5.0
	7/12/2004	--	ND<2	ND<2	--	--	--	--	ND<2	--	--	--	--
	7/28/2006	ND<10	ND<10	ND<10	ND<10	ND<5.0	ND<10	ND<10	ND<10	ND<10	--	280	ND<10
	7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<1.1	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	230	29
	7/3/2008	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	270	ND<20
MW-5	1/6/2003	--	--	--	--	--	--	--	--	--	--	ND<5.0	ND<5.0
MW-7	1/6/2003	--	--	--	--	--	--	--	--	--	--	ND<5.0	ND<5.0

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8h
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	4-Methyl-phenol (µg/L)	Naphtha-lene (svoc) (µg/L)	2-Nitro-aniline (µg/L)	3-Nitro-aniline (µg/L)	4-Nitro-aniline (µg/L)	Nitro-benzene (µg/L)	2-Nitro-phenol (µg/L)	4-Nitro-phenol (µg/L)	N-nitrosodi-n-propyl-amine (µg/L)	N-Nitro-sodiphenyl-amine (µg/L)	Penta-chloro-phenol (µg/L)	Phen-anthrene (µg/L)
MW-1	7/20/1999	27	--	--	--	--	--	--	--	--	--	--	--
	9/28/1999	35.6	--	--	--	--	--	--	--	--	--	--	--
	3/31/2000	18	--	--	--	--	--	--	--	--	--	--	--
	10/3/2000	28.9	--	--	--	--	--	--	--	--	--	--	--
	7/17/2001	25	--	--	--	--	--	--	--	--	--	--	--
	7/18/2002	25	--	--	--	--	--	--	--	--	--	--	--
	7/7/2003	22	--	--	--	--	--	--	--	--	--	--	--
	7/12/2004	--	--	--	--	--	--	--	--	--	--	--	ND<2
	7/28/2006	--	660	ND<10	ND<10	ND<25	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10
	7/19/2007	--	770	ND<2.2	ND<2.2	ND<5.5	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<2.2	ND<11	ND<2.2
	7/3/2008	--	750	ND<20	ND<20	ND<50	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20
MW-5	1/6/2003	ND<5.0	--	--	--	--	--	--	--	--	--	--	--
MW-7	1/6/2003	ND<5.0	--	--	--	--	--	--	--	--	--	--	--

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8i
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Phenol (µg/L)	Pyrene (µg/L)	1,2,4-Trichloro-benzene (µg/L)	2,4,6-Trichloro-phenol (µg/L)	2,4,5-Trichloro-phenol (µg/L)	Carbon (organic, total) (µg/L)	Chromium VI (µg/L)	Chromium (total) (µg/L)	Iron Ferrous (µg/L)	Manganese (dissolved) (µg/L)	Manganese (total) (µg/L)	Molyb-denum (total) (µg/L)
MW-1	7/12/2004	--	ND<2	--	--	--	--	--	--	--	--	--	--
	7/28/2006	ND<10	ND<10	ND<10	ND<25	ND<25	--	--	--	--	--	--	--
	7/19/2007	ND<2.2	ND<2.2	ND<2.2	ND<5.5	ND<5.5	--	--	--	--	--	--	--
	7/3/2008	ND<20	ND<20	ND<20	ND<50	ND<50	--	--	--	--	--	--	--
	4/13/2009	--	--	--	--	--	26	ND<2.0	ND<3.0	280	160	200	8.6
MW-2	4/13/2009	--	--	--	--	--	4.4	ND<2.0	9.3	740	110	230	1.1
MW-3	4/13/2009	--	--	--	--	--	3.0	ND<2.0	14	1,800	2,800	2,500	4.7
MW-4	4/13/2009	--	--	--	--	--	1.9	ND<2.0	8.1	1,500	2,000	3,500	7.2
MW-5	4/13/2009	--	--	--	--	--	1.4	ND<2.0	19	ND<500	1.4	650	1.2
MW-6	4/13/2009	--	--	--	--	--	1.4	ND<2.0	32	ND<500	14	530	2.6
MW-7	4/13/2009	--	--	--	--	--	2.3	ND<2.0	100	3,200	960	2,300	1.1
MW-8	4/13/2009	--	--	--	--	--	0.48	ND<2.0	3.3	130	ND<1.0	47	1.2

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8j
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	Molyb-denum (dissolved) (µg/L)	Selenium (total) (µg/L)	Selenium (dissolved) (µg/L)	Vanadium (total) (µg/L)	Vanadium (dissolved) (µg/L)	Bromate (µg/L)	Bromide (µg/L)	Chloride (µg/L)	Nitrogen as Nitrate (µg/L)	Sulfate (µg/L)	Alkalinity (total) (µg/L)	Specific Con-ductance (µg/L)
MW-1	4/13/2009	7.5	ND<2.0	ND<2.0	ND<3.0	ND<3.0	ND<25	0.77	23	ND<0.44	ND<1.0	390	750
MW-2	4/13/2009	ND<1.0	ND<2.0	ND<2.0	31	12	ND<25	0.40	25	0.85	14	350	688
MW-3	4/13/2009	3.7	ND<2.0	ND<2.0	22	ND<3.0	ND<25	0.41	30	2.9	16	360	681
MW-4	4/13/2009	6.4	ND<2.0	ND<2.0	13	3.4	ND<25	0.40	37	4.4	23	320	704
MW-5	4/13/2009	1.5	ND<2.0	ND<2.0	59	6.1	ND<25	0.71	68	5.7	26	350	860
MW-6	4/13/2009	2.9	ND<2.0	ND<2.0	80	5.2	ND<25	0.58	72	8.9	37	280	754
MW-7	4/13/2009	1.3	ND<2.0	ND<2.0	190	5.6	ND<25	0.50	37	ND<0.44	9.3	430	848
MW-8	4/13/2009	1.2	ND<2.0	ND<2.0	12	4.5	ND<25	ND<0.10	81	19	40	210	690

NOTES:
µg/L = Micrograms per liter
-- = Not sampled
ID = Identification
ND<# = Analyte not detected at or above indicated practical quantitation limit

Table 8k
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	PRE-PURGE DO (mg/L)	POST-PURGE DO (mg/L)	PRE-PURGE ORP (mV)	POST-PURGE ORP (mV)
MW-1	4/13/2009	0.75	--	-102	--
	7/23/2009	2.47	--	-23	--
	2/1/2010	1.18	0.81	-98	-108
	8/2/2010	0.72	0.59	-82	-97
MW-1B	11/1/2010	2.80	0.93	121	111
	1/31/2011	2.57	1.32	152	159
	4/26/2011	3.05	1.90	173	182
	1/23/2012	1.63	0.67	84	80
	7/24/2012	1.36	0.70	74	95
	2/8/2013	1.8	1.7	52	61
	7/10/2013	2.0	1.8	55	58
	1/16/2014	3.3	1.2	158	99
	1/27/2015	**2.5**	**2.0**	**139**	**111**
MW-2	4/13/2009	0.65	0.49	-27	-15
	7/23/2009	2.57	7.09	56	14
	2/1/2010	2.13	1.51	3	-14
	8/2/2010	0.97	0.62	-7	-12
MW-2B	11/1/2010	1.30	1.06	113	115
	1/31/2011	1.25	0.89	159	159
	4/26/2011	4.27	2.42	173	180
	1/23/2012	0.98	--	108	--
	7/24/2012	0.67	1.10	69	67
	2/8/2013	1.9	1.7	79	86
	7/10/2013	1.7	1.5	54	60
	1/16/2014	2.2	1.8	75	90
	1/27/2015	**1.9**	**1.7**	**128**	**119**
MW-3	4/13/2009	0.64	0.38	-89	-82
	7/23/2009	5.14	6.14	-22	-56
	2/1/2010	2.12	0.79	-63	-89
	8/2/2010	0.81	0.62	-77	-59
MW-3B	11/1/2010	1.89	0.60	125	117
	1/31/2011	0.88	0.66	161	100
	4/26/2011	1.44	0.92	169	115
	1/23/2012	0.83	0.31	84	-9
	7/24/2012	0.64	0.49	-14	-53
	2/8/2013	1.4	1.2	-36	-47
	7/10/2013	1.7	1.4	-29	-32
	1/16/2014	1.5	1.2	-25	-42
	7/22/2014	1.6	1.2	-68	-43

Table 8k
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	PRE-PURGE DO (mg/L)	POST-PURGE DO (mg/L)	PRE-PURGE ORP (mV)	POST-PURGE ORP (mV)
	1/27/2015	**1.5**	**1.3**	**-42**	**-58**
MW-4	4/13/2009	0.51	1.35	-67	-46
	7/23/2009	2.10	7.23	-28	-48
	2/1/2010	1.67	0.90	-76	-70
	8/2/2010	0.74	0.57	-94	-64
MW-4B	11/1/2010	1.31	0.63	77	83
	1/31/2011	3.13	1.72	151	145
	4/26/2011	4.19	1.97	234	221
	1/23/2012	2.18	3.96	161	124
	7/24/2012	1.37	0.91	2	8
	2/8/2013	2.2	2.1	86	95
	7/10/2013	2.4	2.2	24	27
	1/16/2014	2.0	1.5	65	49
	1/27/2015	**2.6**	**2.3**	**122**	**110**
MW-5	4/13/2009	1.80	0.95	-21	-12
	7/23/2009	1.54	2.08	136	144
	2/1/2010	1.82	1.84	21	23
	8/2/2010	1.78	1.36	171	44
	1/31/2011	1.17	1.00	154	155
	1/23/2012	1.15	0.56	98	84
	7/24/2012	2.74	0.79	40	42
	2/8/2013	2.3	2.1	62	71
	7/10/2013	2.4	2.2	34	37
	1/16/2014	2.6	2.1	125	107
	1/27/2015	**2.2**	**2.0**	**135**	**114**
MW-6	4/13/2009	0.80	0.54	-40	-32
MW-7	4/13/2009	0.80	1.27	-21	-13
	7/23/2009	1.35	0.76	165	165
	2/1/2010	1.86	0.97	-33	-12
	8/2/2010	1.24	0.74	133	41
	1/31/2011	1.22	0.92	156	163
	1/23/2012	3.15	0.55	113	106
	7/24/2012	3.14	1.57	-108	-76
	2/8/2013	2.4	2.3	56	67
	7/10/2013	2.1	1.9	52	56
	1/16/2014	2.3	2.1	138	125
	1/27/2015	**2.4**	**2.2**	**138**	**127**
MW-8	4/13/2009	2.56	1.11	-70	-48

Table 8k
Historical Groundwater Analytical Results - Additional Analytes
76 Service Station No. 1156 (351645)
4276 MacArthur Boulevard
Oakland, California

WELL ID	DATE	PRE-PURGE DO (mg/L)	POST-PURGE DO (mg/L)	PRE-PURGE ORP (mV)	POST-PURGE ORP (mV)
	7/23/2009	4.57	8.40	196	185
	2/1/2010	3.17	2.94	-17	-16
MW-9A	7/10/2013	1.4	1.1	59	58
	1/16/2014	2.2	1.8	28	10
	7/22/2014	1.3	1.0	37	26
	1/27/2015	**2.3**	**2.1**	**60**	**42**
MW-9B	7/10/2013	1.3	1.1	71	74
	1/16/2014	0.6	0.7	99	87
	1/27/2015	**2.8**	**2.4**	**137**	**126**
MW-10A	7/10/2013	1.9	1.5	81	84
	1/16/2014	1.0	0.7	34	22
	7/22/2014	1.1	.09	43	33
	1/27/2015	**1.3**	**1.0**	**39**	**30**
MW-10B	7/10/2013	1.9	1.7	76	79
	1/16/2014	0.8	0.8	66	57
	7/22/2014	1.1	.08	84	70
	1/27/2015	**1.1**	**0.8**	**83**	**72**
MW-11A	7/10/2013	1.6	1.4	43	49
	1/16/2014	1.8	1.7	60	46
	7/22/2014	1.7	1.5	69	54
	1/27/2015	**1.6**	**1.2**	**35**	**34**
MW-11B	7/10/2013	1.3	1.1	73	74
	1/16/2014	1.5	1.1	25	-83
	7/22/2014	1.6	1.2	-37	-26
	1/27/2015	**1.4**	**1.2**	**18**	**7**
MW-11S	7/22/2014	1.8	1.4	16	6
	1/27/2015	**1.9**	**1.4**	**-19**	**-32**

NOTES:

-- = Not monitored

DO = Dissolved oxygen

ID = Identification

mg/L = Milligrams per liter

mV = Millivolts

ORP = Oxidation-reduction potential

ATTACHMENT 1

Groundwater Sampling/Purge Logs

GETTLER-RYAN INC.

TRANSMITTAL

February 6, 2015
G-R #385646

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
#351645/1156
4276 Mac Arthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Semi-Annual Event of January 27, 2015**

COMMENTS:

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

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

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

trans/351645/1156

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #351645 / 1156

Site Address: 4276 Macarthur Blvd.

City: Oakland, CA

Job #: 385646

Event Date: 1/27/15

Sampler: JH

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-1D	o/c							N	N	12" emco	N
MW-5	o/c									8" BL	
MW-9A	o/c									8" emco	
MW-9B	o/c										
MW-10A	o/c										
MW-10B	o/c										
MW-10S	o/c									12" emco	

Comments

WELL CONDITION STATUS SHEET

Client/
Facility #: Chevron #351645 / 1156

Site Address: 4276 Macarthur Blvd.

City: Oakland, CA

Job #: 385646

Event Date: 1-27-15

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)
MW-2B	OK									Emco | 12" | 2	
MW-3B	OK									Emco | 12" | 2	
MW-4B	OK									Emco | 12" | 2	
MW-7	OK			S/R	OK					Emco (12") 2	
MW-11A	OK									Emco | 8" | 2	
MW-11B	OK									Emco | 8" | 2	
MW-11S	OK									Emco | 12" | 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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW- 10 Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 24.92 ft.
Depth to Water 6.63 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

18.29 xVF .17 = 3.10 x3 case volume = Estimated Purge Volume: 9.32 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.28

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): 0940 Weather Conditions: Foggy
Sample Time/Date: 1020 / 1/27/15 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 1 gpm. Sediment Description: none
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS mhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0940	----------	PRE: 7.63	PRE: 825	PRE: 17.1	PRE: 2.5	PRE: 139
0943	3	7.55	809	17.0	2.2	125
0946	6	7.52	789	17.0	2.1	117
0949	9	7.48	782	16.9	2.0	111

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 10	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	~~x 1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	~~x 250ml poly~~	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	~~x voa vial~~	YES	NP	BC LABS	METHANE(RSK-175)
	x ~~500ml poly~~	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x ~~500ml poly~~	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-2B Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 24.90 ft.
Depth to Water 4.98 ft.

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

☐ Check if water column is less then 0.50 ft.

19.92 xVF .17 = 3.38 x3 case volume = Estimated Purge Volume: 10.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.96

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

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

Start Time (purge): 1005 Weather Conditions: Cloudy
Sample Time/Date: 1245 / 1.27.15 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: 7.52

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1005	----------	PRE: 7.61	PRE: 803	PRE: 18.4	PRE: 1.9	PRE: 128
1012	3.5	7.53	795	18.8	1.9	124
1019	7.0	7.50	789	19.1	1.8	121
1023	10.0	7.47	782	19.6	1.7	119

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2B	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMCO 12" DK SLOW RECOVERY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW- 3B Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 24.93 ft.
Depth to Water 5.00 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

19.93 xVF .17 = 3.38 x3 case volume = Estimated Purge Volume: 10.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.98

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

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

Start Time (purge): 1045 Weather Conditions: CLOUDY
Sample Time/Date: 1300 / 1.27.15 Water Color: CLEAR Odor: Y / N STRONG
Approx. Flow Rate: ✓ gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 7.31

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1045	----------	PRE: 7.42	PRE: 902	PRE: 19.9	PRE: 1.5	PRE: -42
1052	3.5	7.38	915	20.2	1.5	-50
1059	7.0	7.35	922	20.4	1.4	-53
1106	10.0	7.32	929	20.9	1.3	-58

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 3B	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMCO 12" OK
SLOW RECOVERY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-4B Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 24.81 ft.
Depth to Water 5.83 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

18.98 xVF .17 = 3.22 x3 case volume = Estimated Purge Volume: 10.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.62

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

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

Start Time (purge): 0915 Weather Conditions: CLOUDY
Sample Time/Date: 0945 / 1.27.15 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: 9.60

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0915	----------	PRE: 7.81	PRE: 755	PRE: 17.9	PRE: 2.6	PRE: 122
0921	3.0	7.67	748	18.2	2.5	117
0927	6.0	7.63	739	18.7	2.4	113
0933	9.0	7.61	731	19.0	2.3	110

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4B	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMCO 12" OK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW- 5 Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 25.31 ft.
Depth to Water 1.96 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.

23.35 xVF .17 = 3.96 x3 case volume = Estimated Purge Volume: 11.90 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.63

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): 0700 Weather Conditions: Foggy
Sample Time/Date: 0735 / 1/27/15 Water Color: Cloudy Odor: Y (N)
Approx. Flow Rate: 1 gpm. Sediment Description: none
Did well de-water? No If yes, Time: Volume: gal. DTW @ Sampling: 3.26

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS umhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0700	----------	PRE: 7.60	PRE: 789	PRE: 16.8	PRE: 2.2	PRE: 135
0704	4	7.55	775	16.4	2.1	129
0708	8	7.53	768	16.1	2.0	122
0712	12	7.49	761	16.0	2.0	114

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 5	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x ~~1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	x ~~250ml poly~~	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	x ~~voa vial~~	YES	NP	BC LABS	METHANE(RSK-175)
	x ~~500ml poly~~	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x ~~500ml poly~~	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-7 Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 23.95 ft.
Depth to Water 6.93 ft.

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

☐ Check if water column is less then 0.50 ft.

17.02 xVF .17 = 2.89 x3 case volume = Estimated Purge Volume: 9.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.33

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

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

Start Time (purge): 0815 Weather Conditions: Cloudy
Sample Time/Date: 0843 / 1.27.15 Water Color: Brn. Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: Silty
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 7.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0815		PRE: 8.01	PRE: 731	PRE: 18.0	PRE: 2.4	PRE: 138
0821	3.0	7.92	726	18.5	2.3	134
0827	6.0	7.89	719	18.9	2.3	129
0833	9.0	7.87	714	19.1	2.2	127

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: Emco 12" (2 SF)

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW- 9A Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 15.11 ft.
Depth to Water 8.24 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.

6.87 xVF .17 = 1.16 x3 case volume = Estimated Purge Volume: 3.48 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.61

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

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

Start Time (purge): 0850 Weather Conditions: Cloudy
Sample Time/Date: 0920 / 1/27/15 Water Color: Cloudy Odor: (Y) / N Strong
Approx. Flow Rate: — gpm. Sediment Description: Heavy
Did well de-water? NJ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 9.45

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0850	----------	PRE: 6.65	PRE: 1546	PRE: 16.8	PRE: 2.3	PRE: 60
0854	1	6.61	1541	16.7	2.2	53
0857	2	6.58	1533	16.6	2.2	49
0900	3.5	6.53	1525	16.5	2.1	42

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 9A	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	~~x 1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW- 9D Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 20.16 ft.
Depth to Water 5.38 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

14.78 xVF .17 = 2.51 x3 case volume = Estimated Purge Volume: 7.53 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.33

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): 0750 Weather Conditions: Cloudy
Sample Time/Date: 0830 / 1/27/15 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: 7.60

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 0752	----------	PRE: 7.50	PRE: 877	PRE: 16.5	PRE: 2.8	PRE: 137
0757	2.5	7.69	870	16.5	2.6	132
0805	5.0	7.65	865	16.4	2.5	130
0813	7.5	7.64	861	16.3	2.4	126

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 9D	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	~~x 1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW- 10A Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 14.48 ft.
Depth to Water 10.82 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.

3.66 xVF .17 = .62 x3 case volume = Estimated Purge Volume: 1.86 gal.

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

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: _____ 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): 1120 Weather Conditions: Cloudy
Sample Time/Date: 1410 / 1/27/15 Water Color: Cloudy Odor: Y / N Strong
Approx. Flow Rate: — gpm. Sediment Description: Silt
Did well de-water? Yes If yes, Time: 1125 Volume: 1 gal. DTW @ Sampling: 11.47

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1120	----------	PRE: 7.22	PRE: 1475	PRE: 19.4	PRE: 1.3	PRE: 39
1123	.5	7.19	1460	19.2	1.1	32
1125	1.0	7.13	1453	19.1	1.0	30

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 10	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x ~~1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	x ~~250ml poly~~	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	x ~~500ml poly~~	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	x ~~500ml poly~~	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: Well Dewatered During Sampling Not able to collect 2nd's Well Did not Recover Before Having to Leave site Due to Short Holds

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW-10B Date Monitored: 1/27/15
Well Diameter 2 in.
Total Depth 19.25 ft.
Depth to Water 7.18 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.

12.07 xVF .17 = 2.05 x3 case volume = Estimated Purge Volume: 6.15 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.59

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

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

Start Time (purge): 1145 Weather Conditions: cloudy
Sample Time/Date: 1230 / 1/27/15 Water Color: cloudy Odor: (Y) / N Slight
Approx. Flow Rate: — gpm. Sediment Description: Slight
Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 9.10

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1145	----------	PRE: 7.11	PRE: 1035	PRE: 19.9	PRE: 1.1	PRE: 83
1150	2	7.04	1070	19.1	1.0	80
1155	4	6.98	1059	19.0	.9	78
1200	6	6.91	1063	18.7	.8	72

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10B	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	~~x 1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

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 #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1/27/15 (inclusive)
City: Oakland, CA Sampler: JH

Well ID MW-10S Date Monitored: 1/27/15
Well Diameter 4 in.
Total Depth 10.33 ft.
Depth to Water 7.82 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.

2.51 xVF .66 = 1.65 x3 case volume = Estimated Purge Volume: 4.96 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.32

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

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

Start Time (purge): 1045 Weather Conditions: Cloudy
Sample Time/Date: 1350 / 1/27/15 Water Color: cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: 1.5 NR
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 8.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1045	----------	PRE: 7.39	PRE: 1411	PRE: 19.7	PRE: 1.6	PRE: 35
1050	1.5	7.36	1409	19.9	1.5	39
1055	3.0	7.23	1431	20.2	1.4	32
1100	5.0	7.25	1425	20.1	1.2	35

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10S	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	~~1 x 1 liter ambers~~	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: Slow Recovery

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW- 11A Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 15.00 ft.
Depth to Water 4.61 ft.

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

☐ Check if water column is less then 0.50 ft.

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.68

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

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

Start Time (purge): 1225 Weather Conditions: CLOUDY
Sample Time/Date: 1345 / 1.27.15 Water Color: CLEAR Odor: (Y) / N STRONG
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 5.92

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1225	----------	PRE: 7.22	PRE: 1227	PRE: 19.9	PRE: 1.4	PRE: 18
1228	1.5	7.19	1235	20.1	1.4	14
1231	3.0	7.17	1243	20.5	1.3	10
1235	5.0	7.13	1251	20.9	1.2	07

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 11A	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMLO 8" OIL

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.16 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW- 11B Date Monitored: 1.27.15
Well Diameter 2 in.
Total Depth 20.20 ft.
Depth to Water 5.78 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

14.42 xVF .17 = 2.45 x3 case volume = Estimated Purge Volume: 7.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.66

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

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

Start Time (purge): 1125 Weather Conditions: CLOUDY
Sample Time/Date: 1315 / 1.27.15 Water Color: LT. BRN. Odor: (Y) / N STRONG
Approx. Flow Rate: ✓ gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 8.15

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1125	----------	PRE: 7.48	PRE: 1017	PRE: 20.9	PRE: 1.9	PRE: -19
1130	2.5	7.42	1026	21.2	1.6	-21
1135	5.0	7.39	1032	21.5	1.5	-27
1141	7.0	7.36	1040	21.9	1.4	-32

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 11B	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMCO 8' OK
SLOW RECOVERY

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351645 / 1156 Job Number: 385646
Site Address: 4276 Macarthur Blvd. Event Date: 1.27.15 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-11S Date Monitored: 1.27.15
Well Diameter 4 in.
Total Depth 10.16 ft.
Depth to Water 4.69 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.

5.47 xVF .66 = 3.61 x3 case volume = Estimated Purge Volume: 11.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.78

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

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

Start Time (purge): 1200 Weather Conditions: CLOUDY
Sample Time/Date: 1330 / 1.27.15 Water Color: CLEAR Odor: Y / N STRONG
Approx. Flow Rate: ~ gpm. Sediment Description: NONE
Did well de-water? YES If yes, Time: 1208 Volume: 3.5 gal. DTW @ Sampling: 5.25

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
PRE: 1200	----------	PRE: 7.30	PRE: 1142	PRE: 18.9	PRE: 1.5	PRE: 27
1208	3.5	7.24	1152	19.3	1.3	24
						19
						12

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11S	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(8015)/BTEX(8021)MTBE(8260)/8 OXYS(8260)
	2 x 1 liter ambers	YES	NP	BC LABS	TPH-DRO w/sgc(8015M)
	1 x 1 liter ambers	YES	HCL	BC LABS	OIL & GREASE(1664)
	1 x 250ml poly	YES	HCL	BC LABS	FERROUS IRON(SM20 3500 Fe B)
	2 x voa vial	YES	NP	BC LABS	METHANE(RSK-175)
	1 x 500ml poly	YES	NP	BC LABS	NITRATE/SULFATE(EPA 300.0)
	1 x 500ml poly	YES	HNO3	BC LABS	DISSOLVED MANGANESE(200.7)

COMMENTS: EMCO 12" OK

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

CHAIN OF CUSTODY FORM

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

COC 1 of 2

Union Oil Site ID: 1156	Union Oil Consultant: Arcadis
Site Global ID: T0600102279	Consultant Contact: Chase Keen
Site Address: 4276 MacArthur Blvd Oakland CA	Consultant Phone No.: 415 764-4027
	Sampling Company: ~~TRC~~ Gettler Ryan Inc
Union Oil PM: A. Arzouman	Sampled By (PRINT): Sam Herrera
Union Oil PM Phone No.: 925 - 790 - 6512	Sampler Signature: [signature]
Charge Code: NWRTB- 0 351155 -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.

ANALYSES REQUIRED — columns: (1) TPH - Diesel by EPA 8015 (w/ SGC); (2) TPH - G by ~~GC/MS~~ (8015M); (3) BTEX/MTBE/OXYS by EPA 8260B; (4) Ethanol by EPA 8260B; (5) ~~EPA 8260B Full List with OXYS~~ (Oxy's); (6) Ferrous Iron; (7) Nitrate/Sulfate (EPA 300); (8) Ferrous Iron; (9) Methane RSK 175; (10) Dissolved ... (6010); (11) Oil & Grease (1664)

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

Special Instructions:

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	Notes / Comments
QA	W-S-A		150127		2		X	X			X						
MW-1B	W-S-A			1020	8	X	X	X		X	X						
MW-2B	W-S-A			1215	8	X	X	X		X	X						
MW-3B	W-S-A			1200	13	X	X	X		X	X	X	X	X	X		
MW-4B	W-S-A			0945	8	X	X	X		X	X						
MW-5	W-S-A			0735	8	X	X	X		X	X						
MW-7	W-S-A			0840	6	X	X	X		X	X						
MW-9A	W-S-A			0920	12	X	X	X		X	X	X	X	X	X		Ensure Oil
MW-9B	W-S-A			0820	8	X	X	X		X	X						& Grease for
MW-10A	W-S-A			1410	10	X	X	X		X	X			X			sample
MW-10B	W-S-A			1320	12	X	X	X		X	X	X	X	X	X		MW-10S
MW-10S	W-S-A		↓	1230	14	X	X	X		X	X	X	X	X	X	X	is added

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	Gettler Ryan	1/27/15 1530	~~Gettler Ryan~~					

Received By	Company	Date / Time:	Received By	Company	Date / Time :	Received By	Company	Date / Time:
[signature]	[illegible]	[illegible]	[signature]	BC Lab	1-27-15 1630			JMM 2/4/15

CHAIN OF CUSTODY FORM

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

COC 2 of 2

Union Oil Site ID: 1156	Union Oil Consultant: AECom
Site Global ID: T0600102279	Consultant Contact: [illegible]
Site Address: 1276 MacArthur Blvd Oakland CA	Consultant Phone No.: [illegible]
Union Oil PM: N. [illegible]	Sampling Company: TRC Gettler - Ryan
Union Oil PM Phone No.: 925-790-[illegible]	Sampled By (PRINT): [illegible]
Charge Code: NWRTB- 0 251 [illegible] -0- LAB	Sampler Signature: [signature]
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	**BC Laboratories, inc.** **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

ANALYSES REQUIRED

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

Special Instructions

SAMPLE ID

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015 [illegible]	TPH - G by ~~GC/MS~~ [illegible]	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with ~~OXYS~~ [illegible]	BTEX (8021)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Notes / Comments
[illegible]	W-S-A		[illegible]	1345	13	✓	✓	✓		✓	✓	✓	✓	✓	✓		
[illegible]	W-S-A		↓	1315	13	✓	✓	✓		✓	✓	✓	✓	✓	✓		
[illegible]	W-S-A		↓	1320	14	✓	✓	✓		✓	✓	✓	✓	✓	✓	X	
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	Gettler-Ryan	[illegible] 1520	[signature]	[illegible]	[illegible] 1630			

Received By	Company	Date / Time:	Received By	Company	Date / Time :	Received By	Company	Date / Time:
[signature]	[illegible]	[illegible] 1520	[signature]	BC Lab	12-7-15 1630			

ATTACHMENT 2

Laboratory Analytical Report and Chain-of-Custody Documentation

Date of Report: 02/13/2015

Chad Roper

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Client Project:	351645
BCL Project:	1156
BCL Work Order:	1502095
Invoice ID:	B195790

Enclosed are the results of analyses for samples received by the laboratory on 1/27/2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

Table of Contents

Table of Contents

15-02095

CHAIN OF CUSTODY FORM

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

COC 1 of 2

Union Oil Site ID: 1156	Union Oil Consultant: AECom
Site Global ID: T0600102279	Consultant Contact: Chal Roper
Site Address: 4276 Macarthur Blvd Oakland CA	Consultant Phone No.: 805 764-4027
Union Oil PM: N. Arceneaux	Sampling Company: Gettler Ryan Inc
Union Oil PM Phone No.: 925-790-6912	Sampled By (PRINT): Jim Herrod
Charge Code: NWRTB-0 351645 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

Special Instructions

SAMPLE ID						ANALYSES REQUIRED											
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015 w/SGC	TPH - G by (8015m)	MTBE/ by EPA 8260B	by EPA 8260B	EPA 8260	Boxy's	Nitrate/Sulfate (EPA 300.0)	Ferrous Iron SM 20 3500 Fe B	Methane RSK-175	Dissolved Manganese (200.7)	Oil & Grease (1664)	Notes / Comments
-1 QA	W-S-A		150127		2		X	X			X						
-2 MW-1B	W-S-A			1020	8	X	X	X		X	X						
-3 MW-2B	W-S-A			1245	8	X	X	X		X	X						
-4 MW-3B	W-S-A			1300	13	X	X	X		X	X	X	X	X	X		
-5 MW-4B	W-S-A			0945	8	X	X	X		X	X						
-6 MW-5	W-S-A			0735	8	X	X	X		X	X						
-7 MW-7	W-S-A			0843	8	X	X	X		X	X						
-8 MW-9A	W-S-A			0920	13	X	X	X		X	X	X	X	X	X		
-9 MW-9B	W-S-A			0830	8	X	X	X		X	X						
-10 MW-10A	W-S-A			1410	10	X	X	X		X	X			X			
-11 MW-10B	W-S-A			1230	12	X	X	X		X	X	X	X	X	X		
-12 MW-10S	W-S-A			1350	14	X	X	X		X	X	X	X	X	X	X	

SHORT HOLDING TIME: Cr^{+6} NO_2 NO_3 OP SS DO Cl_2 BOD MBAS COT

CHK BY DISTRIBUTION SUB-OUT

Relinquished By	Company	Date / Time:
[signature]	Gettler Ryan	1/27/15 1520
Gettler-Ryan Fridge		01-27-15 1520

Relinquished By	Company	Date / Time:
[signature]	Gettler Ryan Inc	01-27-15 1630
Received By	Company	Date / Time:
Gary Bogan	BC Lab	1-27-15 1630

Relinquished By	Company	Date / Time:
Gary Bogan	BC Lab	1-27-15 1830
Received By	Company	Date / Time:
[signature]	BCLAB	1-27-15 18:30

REL [signature] 1-27-15 2150 Kathie B 1-27-15 2150

15-02095

CHAIN OF CUSTODY FORM

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

COC 2 of 2

Union Oil Site ID: 1156	Union Oil Consultant: AECOM
Site Global ID: T0600102279	Consultant Contact: Chad Roper
Site Address: 4276 Macarthur Blvd Oakland CA	Consultant Phone No.: 805-764-4027
Union Oil PM: N. Arceneaux	Sampling Company: TRC Gettler-Ryan
Union Oil PM Phone No.: 925-790-6912	Sampled By (PRINT): Sim Herizian
Charge Code: NWRTB-0 351645 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

Special Instructions

SAMPLE ID						ANALYSES REQUIRED											
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015 W/Sgc	TPH - G by 8015M	BTEX/MTBE/ EPA 8260B	Ethanol by EPA 8260B	EPA 8260 8oxys	BTEX (8021)	Nitrate/Sulfate (EPA 300)	Ferrous Iron SM 20 3500 Fe B	Methane RSK-175	Dissolved Manganese (200.7)	0.1 µ Grease (1664)	Notes / Comments
-13 MW-11A	W-S-A		150127	1345	13	X	X	X		X	X	X	X	X	X		
-14 MW-11B	W-S-A		↓	1315	13	X	X	X		X	X	X	X	X	X		
-15 MW-11S	W-S-A		↓	1330	14	X	X	X		X	X	X	X	X	X	X	
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	Gettler-Ryan	1/27/15 1520		GRNC	01-27-15 1630	Mary Bogan	BCLab	1-27-15 1830
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
GETTLER-RYAN FRIDGE		01-27-15 1520	Mary Bogan	BCLab	1-27-15 1630		BCLAB	1-27-15 18:30

REL 2150 Kathi BG 1-27-15 2150

Chain of Custody and Cooler Receipt Form for 1502095 Page 3 of 7

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 Of 5

Submission #: 15-02095

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ 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 4/27/15 2155

Temperature: (A) 1.3 °C / (C) 1.2 °C Analyst Init KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED				I			I	I		
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS				J			J	J		
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
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 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- ~~504~~ RSK 175				GH				GH		GH
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON				K				K		
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By: AA Date/Time: 4/27/15 2316 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1502095 Page 4 of 7

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 2 Of 5

Submission #: 15-02095

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

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

FREE LIQUID
YES ☐ NO ☐

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 4/07/15 2155

Temperature: (A) 1.3 °C / (C) 1.7 °C Analyst Init KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED	I	I	I	I	I					
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	J	J	J	J	J					
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-F	A-F	A-F	A-F	A-F					
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL ~~504~~ RSK 175	GH	GH	GH	GH	GH					
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON	K	K	K	K	K					
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____
Sample Numbering Completed By: _____ Date/Time: 4-2-15 1317 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]
A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1502095 Page 5 of 7

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 18 09/04/14 Page 3 Of 5

Submission #: 15-02095

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ 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: PE Thermometer ID: 208 Date/Time 4/27/15 2151

Temperature: (A) 1.0 °C / (C) 0.8 °C Analyst Init KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	10	8	9	11
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M		GH			GH		JS	LM	GH	JS LM
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By:_____ Date/Time: 4-27-15 2210 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

A = Actual / C = Corrected

Ambers

Chain of Custody and Cooler Receipt Form for 1502095 Page 6 of 7

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 18 09/04/14 Page 4 Of 5

Submission #: 15-02095

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ 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: 0.95 Container: Amber Thermometer ID: 208 Date/Time 4/27/15 0153

Temperature: (A) 2.0 °C / (C) 1.9 °C Analyst Init KIB

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	#3	#4	#5	#7	#13	#14	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M	GH	LM	GH	GH	LM	LM				
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By:_____ Date/Time: 4.27.15 2155 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

A = Actual / C = Corrected

Amber

Chain of Custody and Cooler Receipt Form for 1502095 Page 7 of 7

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 5 of 5

Submission #: B-01095

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ 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: 0.95 Container: Amber Thermometer ID: 208 Date/Time 1/07/15

Temperature: (A) 2.2 °C / (C) 2.1 °C Analyst Init KIB 2153

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1 Not Preserved		L			L					
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M		MN		LM	MN					
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:_____

Sample Numbering Completed By: M Date/Time: 1/7/15 2240 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

A = Actual / C = Corrected

Ambers

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1502095-01	**COC Number:**	---	**Receive Date:**	01/27/2015 21:50
	Project Number:	1156	**Sampling Date:**	01/27/2015 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	QA-W-150127	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Blank Water
	Delivery Work Order:			
	Global ID: T0600102279			
	Location ID (FieldPoint): QA			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1502095-02	**COC Number:**	---	**Receive Date:**	01/27/2015 21:50
	Project Number:	1156	**Sampling Date:**	01/27/2015 10:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-1B-W-150127	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102279			
	Location ID (FieldPoint): MW-1B			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1502095-03	**COC Number:**	---	**Receive Date:**	01/27/2015 21:50
	Project Number:	1156	**Sampling Date:**	01/27/2015 12:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-2B-W-150127	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600102279			
	Location ID (FieldPoint): MW-2B			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1502095-04	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 13:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-3B-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-3B
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-05	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 09:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-4B-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-4B
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-06	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 07:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-5-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1502095-07	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 08:43
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-7-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-08	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 09:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-9A-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-9A
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-09	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 08:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-9B-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-9B
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1502095-10	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 14:10
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10A-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-10A
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-11	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 12:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10B-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-10B
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1502095-12	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 13:50
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10S-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time
			Delivery Work Order:
			Global ID: T0600102279
			Location ID (FieldPoint): MW-10S
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1502095-13	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 13:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11A-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
	Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time Delivery Work Order: Global ID: T0600102279 Location ID (FieldPoint): MW-11A Matrix: W Sample QC Type (SACode): CS Cooler ID:		
1502095-14	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 13:15
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11B-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
	Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time Delivery Work Order: Global ID: T0600102279 Location ID (FieldPoint): MW-11B Matrix: W Sample QC Type (SACode): CS Cooler ID:		
1502095-15	**COC Number:**	---	**Receive Date:** 01/27/2015 21:50
	Project Number:	1156	**Sampling Date:** 01/27/2015 13:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11S-W-150127	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
	Metal Analysis: 2-Lab Filtered and Acidified past 15 minute holding time Delivery Work Order: Global ID: T0600102279 Location ID (FieldPoint): MW-11S Matrix: W Sample QC Type (SACode): CS Cooler ID:		

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-01 | **Client Sample Name:** 1156, QA-W-150127, 1/27/2015 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	84.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	94.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/03/15	02/03/15 16:46	JMS	MS-V12	1	BYB0104

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-01 | **Client Sample Name:** 1156, QA-W-150127, 1/27/2015 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	94.4	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	98.1	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 13:43	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 13:43	SE1	GC-V9	1	BYA2215

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-02 | **Client Sample Name:** 1156, MW-1B-W-150127, 1/27/2015 10:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**0.96**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.4	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 14:11	JMS	MS-V12	1	BYB0432

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-02 | **Client Sample Name:** 1156, MW-1B-W-150127, 1/27/2015 10:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	87.2	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	93.8	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 15:25	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 15:25	SE1	GC-V9	1	BYA2215

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-02 | **Client Sample Name:** 1156, MW-1B-W-150127, 1/27/2015 10:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	52.2	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 09:12	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-03 | **Client Sample Name:** 1156, MW-2B-W-150127, 1/27/2015 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**3.9**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.8	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 13:35	JMS	MS-V12	1	BYB0432

AECOM
1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-03 | **Client Sample Name:** 1156, MW-2B-W-150127, 1/27/2015 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	85.7	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	81.4	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 15:45	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 15:45	SE1	GC-V9	1	BYA2215

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-03 | **Client Sample Name:** 1156, MW-2B-W-150127, 1/27/2015 12:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	57.2	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 09:25	MBS	GC-5	1	BYB1130

AECOM
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**14**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	**15**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.3	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 15:57	JMS	MS-V12	1	BYB0432

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**240**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	1
Toluene	**84**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	1
Ethylbenzene	**480**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	1
Total Xylenes	**140**	**ug/L**	**6.0**		**EPA-8020**	ND	**A01**	1
Gasoline Range Organics (C4 - C12)	**6400**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	2
a,a,a-Trifluorotoluene (PID Surrogate)	85.8	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	95.3	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 19:31	SE1	GC-V9	10	BYA2215
2	EPA-8015B	01/28/15	01/28/15 19:31	SE1	GC-V9	10	BYA2215

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**94**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	38.5	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 09:37	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**11**	**mg/L**	**0.050**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 12:01	JH2	GC-V1	50	BYB0631

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	**1.8**	**mg/L**	**1.0**		**EPA-300.0**	ND		1
Iron (II) Species	**1600**	**ug/L**	**100**		**SM-3500-FeD**	ND		2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 07:12	OLH	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:33	TDC	KONE-1	1	BYA2216

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-04 | **Client Sample Name:** 1156, MW-3B-W-150127, 1/27/2015 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**3700**	**ug/L**	**2.0**		**EPA-200.8**	ND	**A07**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	02/02/15 11:50	SRM	PE-EL2	2	BYA2509

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-05 | **Client Sample Name:** 1156, MW-4B-W-150127, 1/27/2015 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**2.1**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	83.7	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/03/15	02/03/15 17:04	JMS	MS-V12	1	BYB0104

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-05 | **Client Sample Name:** 1156, MW-4B-W-150127, 1/27/2015 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	84.9	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	86.3	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 16:06	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 16:06	SE1	GC-V9	1	BYA2215

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-05 | **Client Sample Name:** 1156, MW-4B-W-150127, 1/27/2015 9:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	39.9	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 09:50	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-06 | **Client Sample Name:** 1156, MW-5-W-150127, 1/27/2015 7:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**2.9**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	83.8	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/03/15	02/03/15 17:21	JMS	MS-V12	1	BYB0104

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-06 | **Client Sample Name:** 1156, MW-5-W-150127, 1/27/2015 7:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	85.6	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	85.7	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 16:27	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 16:27	SE1	GC-V9	1	BYA2215

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-06 | **Client Sample Name:** 1156, MW-5-W-150127, 1/27/2015 7:35:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	48.1	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 10:03	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-07 | **Client Sample Name:** 1156, MW-7-W-150127, 1/27/2015 8:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	**0.80**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**180**	**ug/L**	**2.5**		**EPA-8260B**	ND	**A01**	2
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	92.6	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	90.6	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	97.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.3	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	98.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.8	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 14:47	JMS	MS-V12	1	BYB0432
2	EPA-8260B	02/05/15	02/05/15 18:56	JMS	MS-V12	5	BYB0432

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-07 | **Client Sample Name:** 1156, MW-7-W-150127, 1/27/2015 8:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	**150**	**ug/L**	**50**		**EPA-8015B**	ND	**A91**	2
a,a,a-Trifluorotoluene (PID Surrogate)	84.8	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	84.1	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 18:30	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 18:30	SE1	GC-V9	1	BYA2215

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-07 | **Client Sample Name:** 1156, MW-7-W-150127, 1/27/2015 8:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	60.0	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 10:15	MBS	GC-5	1	BYB1130

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**3.9**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	**58**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Butyl alcohol	**1100**	**ug/L**	**10**		**EPA-8260B**	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 16:15	JMS	MS-V12	1	BYB0432

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**2500**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	1
Toluene	**16**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	2
Ethylbenzene	**340**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	2
Total Xylenes	**23**	**ug/L**	**6.0**		**EPA-8020**	ND	**A01**	2
Gasoline Range Organics (C4 - C12)	**7900**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	3
a,a,a-Trifluorotoluene (PID Surrogate)	94.3	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (PID Surrogate)	86.4	%	70 - 130 (LCL - UCL)		EPA-8020			2
a,a,a-Trifluorotoluene (FID Surrogate)	94.4	%	70 - 130 (LCL - UCL)		EPA-8015B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	02/04/15 18:51	SE1	GC-V9	50	BYA2215
2	EPA-8020	01/28/15	01/28/15 19:52	SE1	GC-V9	10	BYA2215
3	EPA-8015B	01/28/15	01/28/15 19:52	SE1	GC-V9	10	BYA2215

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**250**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	53.3	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 10:53	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**1.7**	**mg/L**	**0.010**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 12:05	JH2	GC-V1	10	BYB0631

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	**14**	**mg/L**	**0.44**		**EPA-300.0**	ND		1
Sulfate	ND	mg/L	1.0		EPA-300.0	ND		1
Iron (II) Species	**6200**	**ug/L**	**1000**		**SM-3500-FeD**	ND	**A07**	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 15:24	BMW	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:45	TDC	KONE-1	10	BYA2216

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-08 | **Client Sample Name:** 1156, MW-9A-W-150127, 1/27/2015 9:20:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**1400**	**ug/L**	**1.0**		**EPA-200.8**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	01/30/15 17:49	SRM	PE-EL2	1	BYA2509

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-09 | **Client Sample Name:** 1156, MW-9B-W-150127, 1/27/2015 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**9.8**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	80.8	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	93.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/03/15	02/03/15 17:39	JMS	MS-V12	1	BYB0104

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-09 | **Client Sample Name:** 1156, MW-9B-W-150127, 1/27/2015 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.30		EPA-8020	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	ND	ug/L	0.30		EPA-8020	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		EPA-8015B	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	83.8	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	87.2	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 18:50	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 18:50	SE1	GC-V9	1	BYA2215

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-09 | **Client Sample Name:** 1156, MW-9B-W-150127, 1/27/2015 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	72.1	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 11:06	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-10 | **Client Sample Name:** 1156, MW-10A-W-150127, 1/27/2015 2:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	5.0		EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	5.0		EPA-8260B	ND	A01	1
Methyl t-butyl ether	**340**	**ug/L**	**5.0**		**EPA-8260B**	ND	**A01**	1
t-Amyl Methyl ether	**50**	**ug/L**	**5.0**		**EPA-8260B**	ND	**A01**	1
t-Butyl alcohol	**1500**	**ug/L**	**100**		**EPA-8260B**	ND	**A01**	1
Diisopropyl ether	ND	ug/L	5.0		EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	2500		EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	5.0		EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	80.8	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 16:33	JMS	MS-V12	10	BYB0432

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-10 | **Client Sample Name:** 1156, MW-10A-W-150127, 1/27/2015 2:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**9800**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Toluene	**190**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Ethylbenzene	**1200**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Total Xylenes	**1200**	**ug/L**	**60**		**EPA-8020**	ND	**A01**	1
Gasoline Range Organics (C4 - C12)	**28000**	**ug/L**	**5000**		**EPA-8015B**	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	93.8	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	02/03/15	02/04/15 19:11	SE1	GC-V9	100	BYB0158
2	EPA-8015B	02/03/15	02/04/15 19:11	SE1	GC-V9	100	BYB0158

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-10 | **Client Sample Name:** 1156, MW-10A-W-150127, 1/27/2015 2:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**800**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	60.6	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 11:19	MBS	GC-5	1	BYB1130

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-10 | **Client Sample Name:** 1156, MW-10A-W-150127, 1/27/2015 2:10:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**2.0**	**mg/L**	**0.010**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 12:45	JH2	GC-V1	10	BYB0631

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**59**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.0	%	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	02/05/15	02/05/15 15:40	JMS	MS-V12	1	BYB0432

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**2000**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	1
Toluene	**80**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	2
Ethylbenzene	**290**	**ug/L**	**3.0**		**EPA-8020**	ND	**A01**	2
Total Xylenes	**290**	**ug/L**	**6.0**		**EPA-8020**	ND	**A01**	2
Gasoline Range Organics (C4 - C12)	**7500**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	3
a,a,a-Trifluorotoluene (PID Surrogate)	93.2	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (PID Surrogate)	85.6	%	70 - 130 (LCL - UCL)		EPA-8020			2
a,a,a-Trifluorotoluene (FID Surrogate)	88.9	%	70 - 130 (LCL - UCL)		EPA-8015B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	02/04/15 19:32	SE1	GC-V9	50	BYA2215
2	EPA-8020	01/28/15	01/28/15 20:32	SE1	GC-V9	10	BYA2215
3	EPA-8015B	01/28/15	01/28/15 20:32	SE1	GC-V9	10	BYA2215

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**250**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	62.9	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 11:31	MBS	GC-5	1	BYB1130

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Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.67**	**mg/L**	**0.0020**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 12:50	JH2	GC-V1	2	BYB0631

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	ND	mg/L	1.0		EPA-300.0	ND		1
Iron (II) Species	**6400**	**ug/L**	**1000**		**SM-3500-FeD**	ND	**A07**	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 08:22	OLH	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:45	TDC	KONE-1	10	BYA2216

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-11 | **Client Sample Name:** 1156, MW-10B-W-150127, 1/27/2015 12:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**5000**	**ug/L**	**5.0**		**EPA-200.8**	ND	**A07**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	02/02/15 11:53	SRM	PE-EL2	5	BYA2509

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**3.9**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	**2.5**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Butyl alcohol	**180**	**ug/L**	**10**		**EPA-8260B**	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.4	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 14:29	JMS	MS-V12	1	BYB0432

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**3.1**	**ug/L**	**0.30**		**EPA-8020**	ND		1
Toluene	ND	ug/L	0.30		EPA-8020	ND		1
Ethylbenzene	**1.8**	**ug/L**	**0.30**		**EPA-8020**	ND		1
Total Xylenes	ND	ug/L	0.60		EPA-8020	ND		1
Gasoline Range Organics (C4 - C12)	**110**	**ug/L**	**50**		**EPA-8015B**	ND		2
a,a,a-Trifluorotoluene (PID Surrogate)	85.4	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	89.4	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 19:11	SE1	GC-V9	1	BYA2215
2	EPA-8015B	01/28/15	01/28/15 19:11	SE1	GC-V9	1	BYA2215

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	ND	ug/L	40		EPA-8015B/TPHd	ND		1
Tetracosane (Surrogate)	21.8	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 11:44	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

EPA Method 1664

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Oil and Grease	ND	mg/L	5.0		EPA-1664A HEM	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-1664A HEM	01/29/15	01/29/15 08:50	MAM	MAN-SV	1	BYA2456

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.25**	**mg/L**	**0.0010**		**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 11:43	JH2	GC-V1	1	BYB0631

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	**72**	**mg/L**	**1.0**		**EPA-300.0**	ND		1
Iron (II) Species	**700**	**ug/L**	**100**		**SM-3500-FeD**	ND		2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 15:42	BMW	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:33	TDC	KONE-1	1	BYA2216

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-12 | **Client Sample Name:** 1156, MW-10S-W-150127, 1/27/2015 1:50:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**1200**	**ug/L**	**1.0**		**EPA-200.8**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	01/30/15 17:56	SRM	PE-EL2	1	BYA2509

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	12		EPA-8260B	ND	A01	1
1,2-Dichloroethane	ND	ug/L	12		EPA-8260B	ND	A01	1
Methyl t-butyl ether	**2200**	**ug/L**	**12**		**EPA-8260B**	ND	**A01**	1
t-Amyl Methyl ether	**90**	**ug/L**	**12**		**EPA-8260B**	ND	**A01**	1
t-Butyl alcohol	**3600**	**ug/L**	**250**		**EPA-8260B**	ND	**A01**	1
Diisopropyl ether	ND	ug/L	12		EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	6200		EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	12		EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	98.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 17:27	JMS	MS-V12	25	BYB0432

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**10000**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Toluene	**6500**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Ethylbenzene	**1600**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	2
Total Xylenes	**11000**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	2
Gasoline Range Organics (C4 - C12)	**73000**	**ug/L**	**2500**		**EPA-8015B**	ND	**A01**	3
a,a,a-Trifluorotoluene (PID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (PID Surrogate)	85.9	%	70 - 130 (LCL - UCL)		EPA-8020			2
a,a,a-Trifluorotoluene (FID Surrogate)	91.2	%	70 - 130 (LCL - UCL)		EPA-8015B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	02/04/15 19:53	SE1	GC-V9	100	BYA2215
2	EPA-8020	01/28/15	01/28/15 21:13	SE1	GC-V9	50	BYA2215
3	EPA-8015B	01/28/15	01/28/15 21:13	SE1	GC-V9	50	BYA2215

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**500**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	31.5	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 11:56	MBS	GC-5	1	BYB1130

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**3.9**	**mg/L**	**0.020**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 12:57	JH2	GC-V1	20	BYB0631

AECOM
1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	ND	mg/L	1.0		EPA-300.0	ND		1
Iron (II) Species	**7000**	**ug/L**	**1000**		**SM-3500-FeD**	ND	**A07**	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 08:56	OLH	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:45	TDC	KONE-1	10	BYA2216

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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-13 | **Client Sample Name:** 1156, MW-11A-W-150127, 1/27/2015 1:45:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**4100**	**ug/L**	**2.0**		**EPA-200.8**	ND	**A07**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	02/02/15 11:57	SRM	PE-EL2	2	BYA2509

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dichloroethane	**110**	**ug/L**	**2.5**		**EPA-8260B**	ND	**A01**	1
Methyl t-butyl ether	**1200**	**ug/L**	**25**		**EPA-8260B**	ND	**A01**	2
t-Amyl Methyl ether	**46**	**ug/L**	**2.5**		**EPA-8260B**	ND	**A01**	1
t-Butyl alcohol	**3000**	**ug/L**	**50**		**EPA-8260B**	ND	**A01**	1
Diisopropyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
Ethanol	ND	ug/L	1200		EPA-8260B	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	2.5		EPA-8260B	ND	A01	1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	97.0	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	97.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	96.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.8	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/05/15 15:04	JMS	MS-V12	5	BYB0432
2	EPA-8260B	02/05/15	02/05/15 18:38	JMS	MS-V12	50	BYB0432

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**4200**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	1
Toluene	**190**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	1
Ethylbenzene	**310**	**ug/L**	**15**		**EPA-8020**	ND	**A01**	1
Total Xylenes	**330**	**ug/L**	**30**		**EPA-8020**	ND	**A01**	1
Gasoline Range Organics (C4 - C12)	**17000**	**ug/L**	**2500**		**EPA-8015B**	ND	**A01**	2
a,a,a-Trifluorotoluene (PID Surrogate)	89.5	%	70 - 130 (LCL - UCL)		EPA-8020			1
a,a,a-Trifluorotoluene (FID Surrogate)	83.3	%	70 - 130 (LCL - UCL)		EPA-8015B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8020	01/28/15	01/28/15 21:34	SE1	GC-V9	50	BYA2215
2	EPA-8015B	01/28/15	01/28/15 21:34	SE1	GC-V9	50	BYA2215

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**170**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	67.8	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 12:09	MBS	GC-5	1	BYB1130

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.68**	**mg/L**	**0.0020**		**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 13:02	JH2	GC-V1	2	BYB0631

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	ND	mg/L	1.0		EPA-300.0	ND		1
Iron (II) Species	**8800**	**ug/L**	**1000**		**SM-3500-FeD**	ND	**A07**	2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 16:17	BMW	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:45	TDC	KONE-1	10	BYA2216

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-14 | **Client Sample Name:** 1156, MW-11B-W-150127, 1/27/2015 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**1500**	**ug/L**	**1.0**		**EPA-200.8**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	01/30/15 18:03	SRM	PE-EL2	1	BYA2509

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**29**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Amyl Methyl ether	**1.2**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
t-Butyl alcohol	ND	ug/L	10		EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/05/15	02/06/15 13:42	JMS	MS-V12	1	BYB0432

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C4 - C12)	**3300**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	82.7	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	01/28/15	01/28/15 20:53	SE1	GC-V9	10	BYA2215

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Diesel Range Organics (C12 - C24)	**210**	**ug/L**	**40**		**EPA-8015B/TPHd**	ND	**A52**	1
Tetracosane (Surrogate)	51.6	%	20 - 120 (LCL - UCL)		EPA-8015B/TPHd			1
Capric acid (Reverse Surrogate)	0	%	0 - 1 (LCL - UCL)		EPA-8015B/TPHd			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B/TPHd	01/29/15	02/12/15 12:21	MBS	GC-5	1	BYB1130

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

EPA Method 1664

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Oil and Grease	ND	mg/L	5.0		EPA-1664A HEM	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-1664A HEM	01/29/15	01/29/15 08:50	MAM	MAN-SV	1	BYA2456

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1220 Avenida Acaso
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Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Gas Testing in Water

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Methane	**0.30**	**mg/L**	**0.0010**		**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/09/15	02/10/15 11:56	JH2	GC-V1	1	BYB0631

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Water Analysis (General Chemistry)

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	ND		1
Sulfate	**22**	**mg/L**	**1.0**		**EPA-300.0**	ND		1
Iron (II) Species	**690**	**ug/L**	**100**		**SM-3500-FeD**	ND		2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-300.0	01/28/15	01/28/15 09:31	OLH	IC5	1	BYA2231
2	SM-3500-FeD	01/28/15	01/28/15 08:33	TDC	KONE-1	1	BYA2216

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

Metals Analysis

BCL Sample ID: 1502095-15 | **Client Sample Name:** 1156, MW-11S-W-150127, 1/27/2015 1:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dissolved Manganese	**1200**	**ug/L**	**1.0**		**EPA-200.8**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-200.8	01/30/15	01/30/15 18:06	SRM	PE-EL2	1	BYA2509

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

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: BYB0104						
1,2-Dibromoethane	BYB0104-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BYB0104-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BYB0104-BLK1	ND	ug/L	0.50		
t-Amyl Methyl ether	BYB0104-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BYB0104-BLK1	ND	ug/L	10		
Diisopropyl ether	BYB0104-BLK1	ND	ug/L	0.50		
Ethanol	BYB0104-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BYB0104-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	**BYB0104-BLK1**	**93.0**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BYB0104-BLK1**	**95.8**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BYB0104-BLK1**	**90.2**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BYB0432						
1,2-Dibromoethane	BYB0432-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BYB0432-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BYB0432-BLK1	ND	ug/L	0.50		
t-Amyl Methyl ether	BYB0432-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BYB0432-BLK1	ND	ug/L	10		
Diisopropyl ether	BYB0432-BLK1	ND	ug/L	0.50		
Ethanol	BYB0432-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BYB0432-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	**BYB0432-BLK1**	**99.8**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BYB0432-BLK1**	**97.4**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BYB0432-BLK1**	**95.3**	%	**80 - 120 (LCL - UCL)**		

AECOM
1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

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: BYB0104										
1,2-Dichloroethane-d4 (Surrogate)	BYB0104-BS1	LCS	9.3700	10.000	ug/L	93.7		75 - 125		
Toluene-d8 (Surrogate)	BYB0104-BS1	LCS	9.6900	10.000	ug/L	96.9		80 - 120		
4-Bromofluorobenzene (Surrogate)	BYB0104-BS1	LCS	9.2600	10.000	ug/L	92.6		80 - 120		
QC Batch ID: BYB0432										
1,2-Dichloroethane-d4 (Surrogate)	BYB0432-BS1	LCS	9.3800	10.000	ug/L	93.8		75 - 125		
Toluene-d8 (Surrogate)	BYB0432-BS1	LCS	9.9700	10.000	ug/L	99.7		80 - 120		
4-Bromofluorobenzene (Surrogate)	BYB0432-BS1	LCS	9.8500	10.000	ug/L	98.5		80 - 120		

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1220 Avenida Acaso
Camarillo, CA 93012

Reported: 02/13/2015 15:52
Project: 1156
Project Number: 351645
Project Manager: Chad Roper

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: BYB0104	Used client sample: N										
1,2-Dichloroethane-d4 (Surrogate)	MS	1502094-03	ND	9.1300	10.000	ug/L		91.3		75 - 125	
	MSD	1502094-03	ND	9.2700	10.000	ug/L	1.5	92.7		75 - 125	
Toluene-d8 (Surrogate)	MS	1502094-03	ND	9.8800	10.000	ug/L		98.8		80 - 120	
	MSD	1502094-03	ND	9.8200	10.000	ug/L	0.6	98.2		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1502094-03	ND	9.2700	10.000	ug/L		92.7		80 - 120	
	MSD	1502094-03	ND	9.3300	10.000	ug/L	0.6	93.3		80 - 120	
QC Batch ID: BYB0432	Used client sample: N										
1,2-Dichloroethane-d4 (Surrogate)	MS	1502690-01	ND	9.3100	10.000	ug/L		93.1		75 - 125	
	MSD	1502690-01	ND	9.2600	10.000	ug/L	0.5	92.6		75 - 125	
Toluene-d8 (Surrogate)	MS	1502690-01	ND	10.040	10.000	ug/L		100		80 - 120	
	MSD	1502690-01	ND	9.8600	10.000	ug/L	1.8	98.6		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1502690-01	ND	9.6900	10.000	ug/L		96.9		80 - 120	
	MSD	1502690-01	ND	9.7000	10.000	ug/L	0.1	97.0		80 - 120	

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Project: 1156
Project Number: 351645
Project Manager: Chad Roper

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: BYA2215						
Benzene	BYA2215-BLK1	ND	ug/L	0.30		
Toluene	BYA2215-BLK1	ND	ug/L	0.30		
Ethylbenzene	BYA2215-BLK1	ND	ug/L	0.30		
Total Xylenes	BYA2215-BLK1	ND	ug/L	0.60		
Gasoline Range Organics (C4 - C12)	BYA2215-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (PID Surrogate)	**BYA2215-BLK1**	**95.5**	%	**70 - 130 (LCL - UCL)**		
a,a,a-Trifluorotoluene (FID Surrogate)	**BYA2215-BLK1**	**99.6**	%	**70 - 130 (LCL - UCL)**		
QC Batch ID: BYB0158						
Benzene	BYB0158-BLK1	ND	ug/L	0.30		
Toluene	BYB0158-BLK1	ND	ug/L	0.30		
Ethylbenzene	BYB0158-BLK1	ND	ug/L	0.30		
Total Xylenes	BYB0158-BLK1	ND	ug/L	0.60		
Gasoline Range Organics (C4 - C12)	BYB0158-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (PID Surrogate)	**BYB0158-BLK1**	**98.8**	%	**70 - 130 (LCL - UCL)**		
a,a,a-Trifluorotoluene (FID Surrogate)	**BYB0158-BLK1**	**89.5**	%	**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: BYA2215										
Benzene	BYA2215-BS1	LCS	40.296	40.000	ug/L	101		85 - 115		
Toluene	BYA2215-BS1	LCS	35.970	40.000	ug/L	89.9		85 - 115		
Ethylbenzene	BYA2215-BS1	LCS	38.018	40.000	ug/L	95.0		85 - 115		
Total Xylenes	BYA2215-BS1	LCS	115.22	120.00	ug/L	96.0		85 - 115		
Gasoline Range Organics (C4 - C12)	BYA2215-BS1	LCS	980.40	1000.0	ug/L	98.0		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BYA2215-BS1	LCS	36.381	40.000	ug/L	91.0		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BYA2215-BS1	LCS	37.725	40.000	ug/L	94.3		70 - 130		
QC Batch ID: BYB0158										
Benzene	BYB0158-BS1	LCS	43.889	40.000	ug/L	110		85 - 115		
Toluene	BYB0158-BS1	LCS	40.704	40.000	ug/L	102		85 - 115		
Ethylbenzene	BYB0158-BS1	LCS	41.667	40.000	ug/L	104		85 - 115		
Total Xylenes	BYB0158-BS1	LCS	125.63	120.00	ug/L	105		85 - 115		
Gasoline Range Organics (C4 - C12)	BYB0158-BS1	LCS	902.39	1000.0	ug/L	90.2		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BYB0158-BS1	LCS	40.170	40.000	ug/L	100		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BYB0158-BS1	LCS	41.102	40.000	ug/L	103		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: BYA2215	Used client sample: N										
Benzene	MS	1428224-91	ND	39.041	40.000	ug/L		97.6		70 - 130	
	MSD	1428224-91	ND	40.955	40.000	ug/L	4.8	102	20	70 - 130	
Toluene	MS	1428224-91	ND	34.912	40.000	ug/L		87.3		70 - 130	
	MSD	1428224-91	ND	36.513	40.000	ug/L	4.5	91.3	20	70 - 130	
Ethylbenzene	MS	1428224-91	ND	36.849	40.000	ug/L		92.1		70 - 130	
	MSD	1428224-91	ND	38.427	40.000	ug/L	4.2	96.1	20	70 - 130	
Total Xylenes	MS	1428224-91	ND	111.58	120.00	ug/L		93.0		70 - 130	
	MSD	1428224-91	ND	116.89	120.00	ug/L	4.6	97.4	20	70 - 130	
Gasoline Range Organics (C4 - C12)	MS	1428224-91	ND	952.87	1000.0	ug/L		95.3		70 - 130	
	MSD	1428224-91	ND	972.28	1000.0	ug/L	2.0	97.2	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	MS	1428224-91	ND	37.322	40.000	ug/L		93.3		70 - 130	
	MSD	1428224-91	ND	36.404	40.000	ug/L	2.5	91.0		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1428224-91	ND	37.531	40.000	ug/L		93.8		70 - 130	
	MSD	1428224-91	ND	36.368	40.000	ug/L	3.1	90.9		70 - 130	
QC Batch ID: BYB0158	Used client sample: N										
Benzene	MS	1502150-23	ND	40.142	40.000	ug/L		100		70 - 130	
	MSD	1502150-23	ND	41.620	40.000	ug/L	3.6	104	20	70 - 130	
Toluene	MS	1502150-23	ND	39.423	40.000	ug/L		98.6		70 - 130	
	MSD	1502150-23	ND	38.777	40.000	ug/L	1.7	96.9	20	70 - 130	
Ethylbenzene	MS	1502150-23	ND	38.489	40.000	ug/L		96.2		70 - 130	
	MSD	1502150-23	ND	39.704	40.000	ug/L	3.1	99.3	20	70 - 130	
Total Xylenes	MS	1502150-23	ND	117.62	120.00	ug/L		98.0		70 - 130	
	MSD	1502150-23	ND	119.67	120.00	ug/L	1.7	99.7	20	70 - 130	
Gasoline Range Organics (C4 - C12)	MS	1502150-23	ND	905.48	1000.0	ug/L		90.5		70 - 130	
	MSD	1502150-23	ND	868.70	1000.0	ug/L	4.1	86.9	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	MS	1502150-23	ND	40.388	40.000	ug/L		101		70 - 130	
	MSD	1502150-23	ND	40.124	40.000	ug/L	0.7	100		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1502150-23	ND	41.252	40.000	ug/L		103		70 - 130	
	MSD	1502150-23	ND	40.830	40.000	ug/L	1.0	102		70 - 130	

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Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1130						
Diesel Range Organics (C12 - C24)	BYB1130-BLK1	ND	ug/L	40		
Tetracosane (Surrogate)	**BYB1130-BLK1**	**70.7**	%	**20 - 120 (LCL - UCL)**		
Capric acid (Reverse Surrogate)	BYB1130-BLK1	0	%	0 - 1 (LCL - UCL)		

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Total Petroleum Hydrocarbons (Silica Gel Treated)

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: BYB1130										
Diesel Range Organics (C12 - C24)	BYB1130-BS1	LCS	218.99	500.00	ug/L	43.8		20 - 110		
Tetracosane (Surrogate)	BYB1130-BS1	LCS	9.1820	20.000	ug/L	45.9		20 - 120		
Capric acid (Reverse Surrogate)	BYB1130-BS1	LCS	ND	100.00	ug/L	0		0 - 1		

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Total Petroleum Hydrocarbons (Silica Gel Treated)

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: BYB1130	Used client sample: N										
Diesel Range Organics (C12 - C24)	MS	1428224-85	ND	247.99	500.00	ug/L		49.6		20 - 110	
	MSD	1428224-85	ND	314.53	500.00	ug/L	23.7	62.9	30	20 - 110	
Tetracosane (Surrogate)	MS	1428224-85	ND	10.686	20.000	ug/L		53.4		20 - 120	
	MSD	1428224-85	ND	15.470	20.000	ug/L	36.6	77.4		20 - 120	
Capric acid (Reverse Surrogate)	MS	1428224-85	ND	ND	100.00	ug/L		0		0 - 1	
	MSD	1428224-85	ND	ND	100.00	ug/L		0		0 - 1	

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EPA Method 1664

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYA2456						
Oil and Grease	BYA2456-BLK1	ND	mg/L	5.0		

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EPA Method 1664

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: BYA2456										
Oil and Grease	BYA2456-BS1	LCS	33.900	41.500	mg/L	81.7		78 - 114		

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EPA Method 1664

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: BYA2456	Used client sample: N										
Oil and Grease	DUP	1428224-84	ND	ND		mg/L			18		
	MS	1428224-84	ND	35.450	41.500	mg/L		85.4		78 - 114	
	MSD	1428224-84	ND	34.450	41.500	mg/L	2.9	83.0	18	78 - 114	

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Gas Testing in Water

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB0631						
Methane	BYB0631-BLK1	ND	mg/L	0.0010		

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Project Number: 351645
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Gas Testing in Water

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: BYB0631										
Methane	BYB0631-BS1	LCS	0.010198	0.010843	mg/L	94.1		80 - 120		
	BYB0631-BSD1	LCSD	0.010492	0.010843	mg/L	96.8	2.8	80 - 120	20	

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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYA2216						
Iron (II) Species	BYA2216-BLK1	ND	ug/L	100		
QC Batch ID: BYA2231						
Nitrate as NO3	BYA2231-BLK1	ND	mg/L	0.44		
Sulfate	BYA2231-BLK1	ND	mg/L	1.0		

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Water Analysis (General Chemistry)

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: BYA2216										
Iron (II) Species	BYA2216-BS1	LCS	2440.0	2500.0	ug/L	97.6		90 - 110		
QC Batch ID: BYA2231										
Nitrate as NO3	BYA2231-BS1	LCS	23.621	22.134	mg/L	107		90 - 110		
Sulfate	BYA2231-BS1	LCS	107.06	100.00	mg/L	107		90 - 110		

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Water Analysis (General Chemistry)

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: BYA2216	Used client sample: Y - Description: MW-3B-W-150127, 01/27/2015 13:00										
Iron (II) Species	DUP	1502095-04	1556.4	1568.7		ug/L	0.8		10		
QC Batch ID: BYA2231	Used client sample: N										
Nitrate as NO3	DUP	1502096-01	48.628	48.597		mg/L	0.1		10		
	MS	1502096-01	48.628	72.474	22.358	mg/L		107		80 - 120	
	MSD	1502096-01	48.628	72.331	22.358	mg/L	0.2	106	10	80 - 120	
Sulfate	DUP	1502096-01	23.193	23.277		mg/L	0.4		10		
	MS	1502096-01	23.193	135.32	101.01	mg/L		111		80 - 120	
	MSD	1502096-01	23.193	135.16	101.01	mg/L	0.1	111	10	80 - 120	

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Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYA2509						
Dissolved Manganese	BYA2509-BLK1	ND	ug/L	1.0		

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Metals Analysis

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: BYA2509										
Dissolved Manganese	BYA2509-BS1	LCS	101.26	100.00	ug/L	101		85 - 115		

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Metals Analysis

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: BYA2509	Used client sample: N										
Dissolved Manganese	DUP	1502223-03	29.356	28.925		ug/L	1.5		20		
	MS	1502223-03	29.356	113.74	102.04	ug/L		82.7		70 - 130	
	MSD	1502223-03	29.356	112.81	102.04	ug/L	0.8	81.8	20	70 - 130	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A07	PQL's were raised due to sample dilution caused by high analyte concentration or matrix interference.
A52	Chromatogram not typical of diesel.
A91	TPH does not exhibit a "gasoline" pattern. TPH is entirely due to MTBE.

ATTACHMENT 3

Adjacent Site Monitoring Data – Former Shell Service Station No. 13-5701, 4255 MacArthur Boulevard, Oakland, California

Nicole M. Arceneaux
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-6912
nicole.arceneaux@chevron.com

March 26, 2015

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **76 Service Station No. 1156 (351645)**
4276 MacArthur Boulevard, Oakland, California

ACEH Fuel Leak Case No. RO0000409
RWQCB Case No. 01-2474
GeoTracker Global ID T0600102279

I have reviewed the attached report dated March 26, 2015.

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: *First Quarter 2015 Semiannual Groundwater Monitoring and Sampling Report*

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-1	11/17/1993	410	21	11	7.9	47	---	---	---	---	---	---	---	---	---	175.79	8.59	167.20	---	---	---
MW-1	01/20/1994	1,200	180	19	48	47	---	---	---	---	---	---	---	---	---	175.79	8.22	167.57	---	---	---
MW-1	04/25/1994	3,100	610	<10	130	27	---	---	---	---	---	---	---	---	---	175.79	7.63	168.16	---	---	---
MW-1	07/07/1994	2,400	1,000	10	250	20	---	---	---	---	---	---	---	---	---	175.79	8.31	167.48	---	---	---
MW-1	10/27/1994	2,200	500	3.1	72	1.8	---	---	---	---	---	---	---	---	---	175.79	8.84	166.95	---	---	---
MW-1	11/17/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	175.79	7.60	168.19	---	---	---
MW-1	11/28/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	175.79	7.56	168.23	---	---	---
MW-1	01/13/1995	570	75	2.5	6.7	11	---	---	---	---	---	---	---	---	---	175.79	7.11	168.68	---	---	---
MW-1	04/12/1995	1,800	480	<5.0	79	<5.0	---	---	---	---	---	---	---	---	---	175.79	7.08	168.71	---	---	---
MW-1	07/25/1995	120	15	1.1	2.1	2.9	---	---	---	---	---	---	---	---	---	175.79	7.73	168.06	---	---	---
MW-1 (D)	07/25/1995	300	88	2.4	11	6.5	---	---	---	---	---	---	---	---	---	175.79	7.73	168.06	---	---	---
MW-1	10/18/1995	130	9.5	0.8	1.3	1.7	---	---	---	---	---	---	---	---	---	175.79	8.42	167.37	---	---	---
MW-1 (D)	10/18/1995	120	11	0.8	1.4	1.8	---	---	---	---	---	---	---	---	---	175.79	8.42	167.37	---	---	---
MW-1	01/17/1996	250	22	0.9	1.6	2.3	---	---	---	---	---	---	---	---	---	175.79	7.83	167.96	---	---	---
MW-1	04/25/1996	<50	4.6	<0.5	<0.5	0.6	500b	---	---	---	---	---	---	---	---	175.79	7.35	168.44	---	---	---
MW-1	07/17/1996	<250	15	<2.5	<2.5	<2.5	540	---	---	---	---	---	---	---	---	175.79	7.70	168.09	---	---	---
MW-1	10/01/1996	1,200	500	12	57	82	1,900	---	---	---	---	---	---	---	---	175.79	8.07	167.72	---	---	---
MW-1	01/22/1997	640	170	4.3	33	33	1,200	---	---	---	---	---	---	---	---	175.79	7.21	168.58	---	---	---
MW-1	04/08/1997	<200	34	<2.0	3.3	4.3	950	---	---	---	---	---	---	---	---	175.79	7.75	168.04	---	---	---
MW-1 (D)	04/08/1997	<200	66	<2.0	6.4	8	740	---	---	---	---	---	---	---	---	175.79	7.75	168.04	---	---	---
MW-1	07/08/1997	190	49	1.2	5.8	8.6	560	---	---	---	---	---	---	---	---	175.79	8.01	167.78	---	---	---
MW-1	10/08/1997	<100	7	<1.0	<1.0	<1.0	620	---	---	---	---	---	---	---	---	175.79	8.10	167.69	---	---	---
MW-1	01/09/1998	970	390	12	48	71	1,200	---	---	---	---	---	---	---	---	175.79	7.14	168.65	---	---	---
MW-1	04/13/1998	<50	136	<0.50	1.5	1.8	170	---	---	---	---	---	---	---	---	175.79	6.78	169.01	---	---	---
MW-1	07/17/1998	2,500	750	11	88	67	150	---	---	---	---	---	---	---	---	175.79	7.28	168.51	---	---	---
MW-1	10/02/1998	8,000	970	36	270	440	35	---	---	---	---	---	---	---	---	175.79	7.77	168.02	---	---	---
MW-1	02/03/1999	210	56	0.82	<0.50	3.2	220	---	---	---	---	---	---	---	---	175.79	7.45	168.34	---	1.4	---
MW-1	04/29/1999	<50	4.5	<0.50	0.56	<0.50	140	196	---	---	---	---	---	---	---	175.79	7.58	168.21	---	1.2	140
MW-1	07/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	120	111 f	---	---	---	---	---	---	---	175.79	8.51	167.28	---	1.0	---
MW-1	11/01/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.90	---	---	---	---	---	---	---	---	175.79	8.30	167.49	---	1.4	-71
MW-1	01/17/2000	<50	<0.50	<0.50	<0.50	<0.50	3.30	---	---	---	---	---	---	---	---	175.79	8.04	167.75	---	16.9	64
MW-1	04/17/2000	<50.0	1.08	<0.500	<0.500	<0.500	<2.50	---	---	---	---	---	---	---	---	175.79	8.00	167.79	---	1.8	112
MW-1	07/26/2000	125	54.3	2.16	5.45	9.86	33.1	---	---	---	---	---	---	---	---	175.79	7.52	168.27	---	13.2	-140
MW-1	10/12/2000	101	40.7	2.68	3.00	5.18	25.0	---	---	---	---	---	---	---	---	175.79	7.71	168.08	---	>20	534
MW-1	01/15/2001	<50.0	0.633	<0.500	0.505	1.74	<2.50	---	---	---	---	---	---	---	---	175.79	7.33	168.46	---	16.9	-127
MW-1	04/09/2001	<50.0	<0.500	<0.500	<0.500	0.927	<2.50	---	---	---	---	---	---	---	---	175.79	7.68	168.11	---	12.8	-117
MW-1	07/24/2001	<50	4.0	0.65	0.53	1.3	---	<5.0	---	---	---	---	---	---	---	175.79	8.00	167.79	---	>20	43
MW-1	10/31/2001	<50	4.4	<0.50	<0.50	0.98	---	<5.0	---	---	---	---	---	---	---	175.79	7.94	167.85	---	13.6	123

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)	ORP Reading (mV)
MW-1	01/10/2002	<50	2.2	<0.50	<0.50	1.2	---	6.1	---	---	---	---	---	---	---	175.79	7.63	168.16	---	0.1	63
MW-1	04/25/2002	<50	2.0	<0.50	<0.50	<0.50	---	<5.0	---	---	---	---	---	---	---	175.79	7.76	168.03	---	0.3	54
MW-1	07/18/2002	<50	6.1	<0.50	<0.50	0.98	---	<5.0	---	---	---	---	---	---	---	175.79	8.29	167.50	---	1.1	32
MW-1	10/07/2002	500	17	14	11	60	---	9.0	---	---	---	---	---	---	---	175.76	8.34	167.42	---	2.8	-26
MW-1	01/06/2003	<50	12	<0.50	0.73	0.58	---	14	---	---	---	---	---	---	---	175.76	7.18	168.58	---	0.5	-22
MW-1	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	---	12	<5.0	---	---	---	---	---	---	175.76	7.75	168.01	---	0.7	-24
MW-1	07/07/2003	<50	6.6	<0.50	<0.50	<1.0	---	8.1	<5.0	---	---	---	---	---	---	175.76	7.75	168.01	---	0.5	16
MW-1	10/09/2003	<50	1.9	<0.50	<0.50	<1.0	---	22	<5.0	---	---	---	---	---	---	175.76	8.45	167.31	---	0.7	80
MW-1	01/14/2004	<100	19	<1.0	<1.0	<2.0	---	180	63	---	---	---	---	---	---	175.76	7.45	168.31	---	0.8	242
MW-1	04/28/2004	<50	2.1	<0.50	<0.50	<1.0	---	110	33	---	---	---	---	---	---	175.76	8.25	167.51	---	0.5	64
MW-1	07/12/2004	<50	2.5	<0.50	<0.50	<1.0	---	120	26	<2.0	<2.0	<2.0	---	---	<50	175.76	6.20	169.56	---	0.5	72
MW-1	10/25/2004	<500	<5.0	<5.0	<5.0	<10	---	550	240	---	---	---	---	---	---	175.76	7.98	167.78	---	3.15	-72
MW-1	01/17/2005	<250	8.0	<2.5	<2.5	<5.0	---	500	310	---	---	---	---	---	---	175.76	7.42	168.34	---	0.2	9
MW-1	04/06/2005	<250	<2.5	<2.5	<2.5	<5.0	---	230	330*	---	---	---	---	---	---	175.76	8.15	167.61	---	2.49	143
MW-1	07/08/2005	<50	<0.50	<0.50	<0.50	<0.50	---	380	510	<0.50	<0.50	<0.50	---	---	<5.0	175.76	7.45	168.31	---	1.1	12
MW-1	10/07/2005	<500 c	<5.0	<5.0	<5.0	<10	---	1,600	1,600	---	---	---	---	---	---	175.76	7.72	168.04	---	---	---
MW-1	01/27/2006	1,720	6.92	<0.500	<0.500	<0.500	---	1,270	1,380	---	---	---	---	---	---	175.76	6.68	169.08	---	---	---
MW-1	04/28/2006	2,420	6.90	1.19	<0.500	0.980	---	2,080	1,870	---	---	---	---	---	---	175.76	6.67	169.09	---	---	---
MW-1	07/28/2006	3,230	2.06	<0.500	<0.500	<0.500	---	1,770	1,730	<0.500	<0.500	1.14	---	---	<50.0	175.76	7.65	168.11	---	---	---
MW-1	10/27/2006	1,020	3.22	<0.500	1.72	<0.500	---	690	884	---	---	---	---	---	---	175.76	7.90	167.86	---	---	---
MW-1	01/10/2007	1,100	3.0	<0.50	<0.50	<1.0	---	2,300	2,900	---	---	---	---	---	---	175.76	7.62	168.14	---	---	---
MW-1	04/13/2007	620 c,g	7.1	0.24 h	<1.0	<1.0	---	2,800	3,600	---	---	---	---	---	---	175.76	6.98	168.78	---	---	---
MW-1	07/09/2007	960 c,g	4.3 h	<20	<20	<20	---	1,900	2,100	<40	<40	<40	---	---	<2,000	175.76	7.60	168.16	---	---	---
MW-1	10/08/2007	590 c,g	5.9 h	<20	<20	<20	---	3,200	2,200	---	---	---	---	---	---	175.76	8.05	167.71	---	---	---
MW-1	01/09/2008	470 c,g	36	<10	<10	<10	---	660	1,300	---	---	---	---	---	---	175.76	6.99	168.77	---	---	---
MW-1	04/04/2008	2,200	<10	<20	<20	<20	---	2,000	1,500	---	---	---	---	---	---	175.76	6.94	168.82	---	---	---
MW-1	07/03/2008	1,800	<10	<20	<20	<20	---	1,800	3,400	<40	<40	<40	---	---	<2,000	175.76	8.03	167.73	---	---	---
MW-1	10/03/2008	2,000	<10	<20	<20	<20	---	2,000	2,800	---	---	---	---	---	---	175.76	8.58	167.18	---	---	---
MW-1	01/22/2009	2,400	14	<20	<20	<20	---	1,600	3,200	---	---	---	---	---	---	175.76	8.15	167.61	---	---	---
MW-1	04/13/2009	1,800	<10	<20	<20	<20	---	970	1,900	---	---	---	---	---	---	175.76	2.13	173.63	---	---	---
MW-1	07/23/2009	1,800	6.9	<10	<10	<10	---	1,500	2,800	<20	<20	<20	---	---	<1000	175.76	8.15	167.61	---	---	---
MW-1	02/01/2010	910	94	<5.0	<5.0	<5.0	---	620	1,800	---	---	---	---	---	---	175.76	7.44	168.32	---	---	---
MW-1	08/02/2010	1,600	8.4	<5.0	<5.0	<5.0	---	2,100	2,100	---	---	---	---	---	---	175.76	7.49	168.27	---	---	---
MW-1	01/31/2011	1,100 c	41	<10	<10	<10	---	2,000	2,600	---	---	---	<10	<10	---	175.76	7.45	168.31	---	---	---
MW-1	07/25/2011	520 c	31	<2.5	<2.5	<5.0	---	530	1,600	<5.0	<5.0	<5.0	---	---	<750	175.76	7.39	168.37	---	---	---
MW-1	01/23/2012	<1,000	49	<10	<10	<20	---	1,200	1,200	---	---	---	---	---	---	175.76	7.85	167.91	---	---	---
MW-1	07/24/2012	390	14	<2.5	<2.5	<5.0	---	350	1,100	<2.5	<2.5	<2.5	---	---	---	175.76	7.80	167.96	---	---	---
MW-1	01/23/2013	1,100	45	<1.0	<1.0	<2.0	---	1,400	1,600	---	---	---	---	---	---	175.76	7.26	168.50	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-1	07/10/2013	1,000	5.2	<5.0	<5.0	<10	---	1,000	700	<5.0	<5.0	<5.0	---	---	<1,500	175.76	7.99	167.77	---	---	---
MW-1	01/16/2014	840	56	<5.0	<5.0	<10	---	750	960	---	---	---	---	---	---	175.76	8.60	167.16	---	---	---
MW-1	07/10/2014	1,100 i	<10	<10	<10	<20	---	980	600	<10	<10	<10	---	---	<3,000	175.76	8.11	167.65	---	---	---
MW-1	**01/27/2015**	**150**	**33**	**<0.50**	**<0.50**	**<1.0**	**---**	**55**	**630**	**---**	**---**	**---**	**---**	**---**	**---**	**175.76**	**7.54**	**168.22**	**---**	**---**	**---**
MW-2	11/17/1993	31,000	9,400	4,600	1,000	3,900	---	---	---	---	---	---	---	---	---	170.91	12.31	158.60	---	---	---
MW-2	01/20/1994	40,000	6,900	5,600	780	4,100	---	---	---	---	---	---	---	---	---	170.91	11.48	159.43	---	---	---
MW-2 (D)	01/20/1994	41,000	7,200	6,200	900	4,800	---	---	---	---	---	---	---	---	---	170.91	11.48	159.43	---	---	---
MW-2	04/25/1994	60,000	9,300	6,100	1,400	6,200	---	---	---	---	---	---	---	---	---	170.91	10.84	160.07	---	---	---
MW-2	07/07/1994	280,000 a	40,000	26,000	8,100	32,000	---	---	---	---	---	---	---	---	---	170.91	11.89	159.02	---	---	---
MW-2 (D)	07/07/1994	53,000	13,000	6,600	2,000	8,400	---	---	---	---	---	---	---	---	---	170.91	11.89	159.02	---	---	---
MW-2	10/27/1994	130,000	14,000	12,000	2,400	13,000	---	---	---	---	---	---	---	---	---	170.91	12.89	158.02	---	---	---
MW-2 (D)	10/27/1994	390,000	8,800	7,000	1,700	11,000	---	---	---	---	---	---	---	---	---	170.91	12.89	158.02	---	---	---
MW-2	11/17/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	9.11	161.80	---	---	---
MW-2	11/28/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	9.22	161.69	---	---	---
MW-2	01/13/1995	75,000	5,900	12,000	3,100	17,000	---	---	---	---	---	---	---	---	---	170.91	8.10	162.81	---	---	---
MW-2	04/12/1995	100,000	8,500	11,000	2,400	12,000	---	---	---	---	---	---	---	---	---	170.91	10.12	160.79	---	---	---
MW-2 (D)	04/12/1995	80,000	4,200	9,300	2,500	12,000	---	---	---	---	---	---	---	---	---	170.91	10.12	160.79	---	---	---
MW-2	07/25/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	11.53	159.80	0.52	---	---
MW-2	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	14.02	156.99	0.13	---	---
MW-2	01/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	10.27	160.78	0.17	---	---
MW-2	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	11.68	159.25	0.03	---	---
MW-2	07/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	12.78	158.51	0.48	---	---
MW-2	10/01/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	14.21	156.92	0.28	---	---
MW-2	01/22/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	10.92	160.08	0.11	---	---
MW-2	04/08/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	14.12	156.95	0.20	---	---
MW-2	07/08/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	14.98	156.08	0.19	---	---
MW-2	10/08/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	12.97	157.98	0.05	---	---
MW-2	01/08/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	12.54	158.43	0.08	---	---
MW-2	04/13/1998	180,000	2,800	5,200	2,400	13,000	71,000	---	---	---	---	---	---	---	---	170.91	10.05	160.86	---	---	---
MW-2	07/17/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	11.75	159.24	0.10	---	---
MW-2	10/02/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	16.78	154.22	0.11	---	---
MW-2	02/03/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	9.90	161.07	0.08	---	---
MW-2	04/29/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	9.86	161.09	0.05	---	---
MW-2	07/23/1999	65,800	6,500	4,480	1,960	8,960	46,600	58,500 f	---	---	---	---	---	---	---	170.91	14.45	156.46	---	1.4	---
MW-2	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.91	11.84	159.09	0.03	---	---
MW-2	01/17/2000	46,000	6,000	2,400	1,500	5,500	50,000	31,000	---	---	---	---	---	---	---	170.91	11.00	159.91	---	1.3	-54
MW-2	04/17/2000	96,300	8,150	10,200	2,820	14,900	112,000	108,000	---	---	---	---	---	---	---	170.91	11.06	159.85	---	2.6	125

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)	ORP Reading (mV)
MW-2	07/26/2000	72,400	8,680	5,620	2,810	13,400	66,200	46,300	---	---	---	---	---	---	---	170.91	12.82	158.09	---	2.2	113
MW-2	10/12/2000	63,200	5,840	4,180	2,310	11,100	61,200	66,600	---	---	---	---	---	---	---	170.91	11.32	159.59	---	0.4	55
MW-2	01/15/2001	59,700	2,630	4,800	2,050	11,500	44,400	5,080	---	---	---	---	---	---	---	170.91	10.19	160.72	---	1.1	-22
MW-2	04/09/2001	56,900	1,860	2,550	1,810	9,720	40,000	46,600	---	---	---	---	---	---	---	170.91	11.15	159.76	---	1.0	-55
MW-2	07/24/2001	84,000	3,000	4,600	2,500	13,000	---	41,000	---	---	---	---	---	---	---	170.91	11.67	159.24	---	0.2	53
MW-2	10/31/2001	45,000	2,200	3,000	1,500	7,700	---	29,000	51,000	<50	<50	<50	---	---	<500	170.91	11.04	159.87	---	1.2	-17
MW-2	01/10/2002	28,000	840	740	760	3,300	---	32,000	---	---	---	---	---	---	---	170.91	9.58	161.33	---	2.1	-76
MW-2	04/25/2002	41,000	1,900	2,000	1,200	6,900	---	17,000	---	---	---	---	---	---	---	170.91	11.40	159.51	---	0.8	-95
MW-2	07/18/2002	87,000	2,000	2,200	1,400	10,000	---	19,000	---	---	---	---	---	---	---	170.91	12.68	158.23	---	0.7	-34
MW-2	10/07/2002	110,000	3,900	6,700	2,700	15,000	---	20,000	---	---	---	---	---	---	---	170.88	11.58	159.30	---	1.4	-52
MW-2	01/06/2003	65,000	2,400	3,500	1,400	8,600	---	26,000	---	---	---	---	---	---	---	170.88	9.09	161.79	---	0.4	40
MW-2	04/07/2003	57,000	1,900	2,500	1,700	8,600	---	37,000	34,000	---	---	---	---	---	---	170.88	11.08	159.80	---	1.0	60
MW-2	07/07/2003	34,000	4,000	4,200	1,600	8,500	---	51,000	44,000	---	---	---	---	---	---	170.88	11.27	159.61	---	1.3	-17
MW-2	10/09/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.64	159.26	0.03	---	---
MW-2	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.88	159.03	0.04	---	---
MW-2	01/14/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.96	159.93	0.01	---	---
MW-2	04/28/2004	35,000	2,200	2,200	2,300	8,200	---	26,000	28,000	---	---	---	---	---	---	170.88	11.05	159.83	---	0.1	-96
MW-2	07/12/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	12.12	158.78	0.03	---	---
MW-2	10/25/2004	60,000	2,900	2,300	2,300	7,600	---	27,000	26,000	---	---	---	---	---	---	170.88	11.23	159.65	---	1.62	-69
MW-2	01/17/2005	62,000	1,900	1,800	1,800	5,700	---	22,000	21,000	---	---	---	---	---	---	170.88	8.78	162.10	---	0.8	-102
MW-2	04/06/2005	40,000	1,500	940	1,600	2,900	---	23,000	23,000	---	---	---	---	---	---	170.88	9.23	161.65	---	0.60	-104
MW-2	07/08/2005	50,000	2,300	1,500	1,700	6,600	---	24,000	25,000	<150	<150	<150	---	---	<1,500	170.88	10.99	159.91	0.02	0.01	-41
MW-2	10/07/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	12.15	158.75	0.02	---	---
MW-2	01/27/2006	56,800	1,270	1,280	1,520	5,370	---	8,210	10,600	---	---	---	---	---	---	170.88	9.55	161.33	---	---	---
MW-2	03/16/2006	82,100	1,230	1,310	1,350	4,630	---	9,020	9,690	---	---	---	---	---	---	170.88	8.10	162.78	---	---	---
MW-2	04/28/2006	81,400	1,200	1,610	1,660	5,580	---	10,800	11,100	---	---	---	---	---	---	170.88	9.25	161.63	---	---	---
MW-2	05/15/2006	119,000	2,210	3,800	2,330	8,900	---	15,600	12,200	---	---	---	---	---	---	170.88	10.28	160.60	---	---	---
MW-2	06/19/2006	121,000	1,680	3,830	2,990	12,400	---	10,700	9,310	---	---	---	---	---	---	170.88	10.90	159.98	---	---	---
MW-2	07/28/2006	172,000	3,590	3,450	2,840	8,210	---	22,800	11,300	<0.500	<0.500	<0.500	---	---	<50.0	170.88	11.84	159.04	---	---	---
MW-2	08/31/2006	91,200	1,590	3,710	2,570	11,700	---	3,520	3,940	---	---	---	---	---	---	170.88	18.03	152.85	---	---	---
MW-2	09/26/2006	50,000	2,300	1,300	1,600	6,700	---	17,000	19,000	---	---	---	---	---	---	170.88	10.23	160.65	---	---	---
MW-2	10/27/2006	159,000	5,200	3,890	2,600	12,500	---	18,100	9,230 d	---	---	---	---	---	---	170.88	12.11	158.77	---	---	---
MW-2	11/22/2006	53,000	1,500	960	1,800	7,100	---	9,600	12,000	---	---	---	---	---	---	170.88	11.35	159.53	---	---	---
MW-2	12/26/2006	Well inaccessible		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	01/10/2007	45,000	2,700	1,700	1,400	5,800	---	13,000	11,000	---	---	---	---	---	---	170.88	10.21	160.67	---	---	---
MW-2	02/19/2007	13,000	1,800	1,900	1,500	5,900	---	7,400	11,000	---	---	---	---	---	---	170.88	9.22	161.66	---	---	---
MW-2	03/16/2007	52,000	2,600	2,300	2,000	7,300	---	9,100	12,000	---	---	---	---	---	---	170.88	9.88	161.00	---	---	---
MW-2	04/13/2007	60,000 g	2,200	2,100	2,300	7,900	---	13,000	20,000	---	---	---	---	---	---	170.88	10.61	160.29	0.02	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)	ORP Reading (mV)
MW-2	07/09/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.77	159.20	0.11	---	---
MW-2	10/08/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	12.70	158.33	0.19	---	---
MW-2	11/19/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	8.00	162.88	---	---	---
MW-2	12/10/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	6.49	164.39	---	---	---
MW-2	01/09/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	01/22/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	02/21/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	8.86	162.02	---	---	---
MW-2	03/20/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.24	160.66	0.02	---	---
MW-2	04/04/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	05/27/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	12.44	158.46	0.03	---	---
MW-2	06/11/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.10	159.85	0.09	---	---
MW-2	06/11/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.10	159.85	0.09	---	---
MW-2	07/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.62	159.37	0.14	---	---
MW-2	08/04/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.88	159.05	0.06	---	---
MW-2	09/17/1998	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	10/03/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	12.66	158.43	0.26	---	---
MW-2	11/26/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	12/30/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	01/22/2009	86,000	3,800	1,600	2,500	9,800	---	10,000	7,900	---	---	---	---	---	---	170.88	10.74	160.14	---	---	---
MW-2	02/27/2009	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	04/13/2009	60,000	1,700	980	2,000	7,000	---	4,300	4,600	---	---	---	---	---	---	170.88	10.36	160.53	0.01	---	---
MW-2	07/23/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.91	159.13	0.20	---	---
MW-2	11/10/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.87	160.04	0.04	---	---
MW-2	02/01/2010	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	02/09/2010	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.88	---	---	---	---	---
MW-2	08/02/2010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.38	159.53	0.04	---	---
MW-2	01/31/2011	77,000	1,700	1,500	2,600	9,000	---	2,100	2,700	---	---	---	<25	<25	---	170.88	9.09	161.79	---	---	---
MW-2	04/26/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	9.98	160.90	0.00	---	---
MW-2	07/25/2011	46,000	990	560	2,500	5,100	---	1,600	1,900	<50	<50	<50	---	---	<7,500	170.88	10.76	160.12	0.00	---	---
MW-2	10/13/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.18	160.70	0.00	---	---
MW-2	01/23/2012	48,000	1,400	1,100	2,200	6,100	---	820	1,200	---	---	---	---	---	---	170.88	9.22	161.66	0.00	---	---
MW-2	04/23/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	9.20	161.68	0.00	---	---
MW-2	07/24/2012	63,000	1,400	970	2,600	7,100	---	1,000	980	<20	<20	<20	---	---	---	170.88	10.82	160.06	0.00	---	---
MW-2	11/07/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.76	160.12	0.00	---	---
MW-2	01/23/2013	48,000	1,500	1,300	1,800	5,400	---	1,100	1,400	---	---	---	---	---	---	170.88	10.30	160.58	0.00	---	---
MW-2	04/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.30	160.58	0.00	---	---
MW-2	07/10/2013	32,000	1,600	670	1,800	3,500	---	1,200	1,700	<20	<20	<20	---	---	<6,000	170.88	10.94	159.94	0.00	---	---
MW-2	10/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	11.93	158.95	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-2	01/16/2014	92,000	2,700	4,200	3,600	13,000	---	830	900	---	---	---	---	---	---	170.88	11.85	159.03	---	---	---
MW-2	04/29/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.88	10.54	160.34	0.00	---	---
MW-2	07/10/2014	35,000	1,500	410	2,300	3,500	---	1,600	1,200	<50	<50	<50	---	---	<15,000	170.88	11.77	159.11	0.00	---	---
MW-2	**10/14/2014**	**Well inaccessible**		**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**170.88**	**---**	**---**	**---**	**---**	**---**
MW-2	**01/27/2015**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**170.88**	**10.62**	**160.28**	**0.02**	**---**	**---**
MW-3	11/17/1993	18,000	5,400	660	720	2,200	---	---	---	---	---	---	---	---	---	174.61	15.40	159.21	---	---	---
MW-3	01/20/1994	55,000	13,000	2,600	2,200	6,500	---	---	---	---	---	---	---	---	---	174.61	14.61	160.00	---	---	---
MW-3	04/25/1994	96,000	11,000	1,600	3,100	9,900	---	---	---	---	---	---	---	---	---	174.61	13.12	161.49	---	---	---
MW-3 (D)	04/25/1994	78,000	12,000	1,900	2,600	7,300	---	---	---	---	---	---	---	---	---	174.61	13.12	161.49	---	---	---
MW-3	07/07/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	14.54	160.09	0.02	---	---
MW-3	10/27/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	15.62	159.03	0.05	---	---
MW-3	11/17/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	13.83	160.78	---	---	---
MW-3	11/28/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	14.02	160.59	---	---	---
MW-3	01/13/1995	180,000	3,200	2,700	1,700	5,200	---	---	---	---	---	---	---	---	---	174.61	12.13	162.48	---	---	---
MW-3 (D)	01/13/1995	23,000	4,000	690	960	3,000	---	---	---	---	---	---	---	---	---	174.61	12.13	162.48	---	---	---
MW-3	04/12/1995	56,000	8,700	1,500	2,100	6,300	---	---	---	---	---	---	---	---	---	174.61	12.96	161.65	---	---	---
MW-3	07/25/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	14.28	160.38	0.06	---	---
MW-3	10/18/1995	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	15.88	158.77	0.05	---	---
MW-3	01/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	13.86	160.94	0.24	---	---
MW-3	04/25/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	13.82	160.81	0.02	---	---
MW-3	07/17/1996	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	16.11	158.52	0.03	---	---
MW-3	10/01/1996	46,000	7,300	530	1,700	3,900	3,200	---	---	---	---	---	---	---	---	174.61	16.56	158.05	---	---	---
MW-3 (D)	10/01/1996	47,000	7,100	530	1,700	4,000	2,900	---	---	---	---	---	---	---	---	174.61	16.56	158.05	---	---	---
MW-3	01/22/1997	82,000	5,200	1,300	2,800	8,900	1,100	---	---	---	---	---	---	---	---	174.61	13.07	161.54	---	---	---
MW-3 (D)	01/22/1997	61,000	8,400	1,100	2,300	7,000	2,700	---	---	---	---	---	---	---	---	174.61	13.07	161.54	---	---	---
MW-3	04/08/1997	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.61	17.09	157.54	0.03	---	---
MW-3	07/08/1997	56,000	8,800	580	2,000	4,900	2,800	---	---	---	---	---	---	---	---	174.61	15.85	158.76	---	---	---
MW-3	10/08/1997	48,000	8,000	590	1,700	3,400	5,100	---	---	---	---	---	---	---	---	174.61	16.22	158.39	---	---	---
MW-3	01/08/1998	47,000	9,400	810	2,300	4,700	6,300	---	---	---	---	---	---	---	---	174.61	13.80	160.81	---	---	---
MW-3 (D)	01/08/1998	48,000	8,100	750	2,000	4,100	5,800	---	---	---	---	---	---	---	---	174.61	13.80	160.81	---	---	---
MW-3	04/13/1998	32,000	6,800	540	1,400	3,400	4,000	---	---	---	---	---	---	---	---	174.61	12.97	161.64	---	---	---
MW-3 (D)	04/13/1998	36,000	7,300	660	1,600	3,700	4,000	---	---	---	---	---	---	---	---	174.61	12.97	161.64	---	---	---
MW-3	07/17/1998	71,000	11,000	590	2,200	6,900	3,900	---	---	---	---	---	---	---	---	174.61	11.51	163.10	---	---	---
MW-3 (D)	07/17/1998	76,000	12,000	700	2,600	8,000	3,000	---	---	---	---	---	---	---	---	174.61	11.51	163.10	---	---	---
MW-3	10/02/1998	66,000	8,900	510	2,000	4,900	4,600	---	---	---	---	---	---	---	---	174.61	16.50	158.11	---	---	---
MW-3 (D)	10/02/1998	59,000	9,400	460	2,000	4,900	4,700	---	---	---	---	---	---	---	---	174.61	16.50	158.11	---	---	---
MW-3	02/03/1999	36,000	6,800	300	1,600	2,900	18,000	---	---	---	---	---	---	---	---	174.61	15.21	159.40	---	1.3	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)	ORP Reading (mV)
MW-3	04/29/1999	45,000	8,100	580	2,200	5,800	4,700	5,150	---	---	---	---	---	---	---	174.61	15.43	159.18	---	1.5	-68
MW-3	07/23/1999	29,400	3,540	215	810	3,800	4,720	6,950 f	---	---	---	---	---	---	---	174.61	14.95	159.66	---	1.3	---
MW-3	11/01/1999	20,000	4,190	294	1,060	1,740	5,540	8,590	---	---	---	---	---	---	---	174.61	14.66	159.95	---	0.6	-110
MW-3	01/17/2000	17,000	3,900	89	1,100	1,200	7,900	---	---	---	---	---	---	---	---	174.61	13.94	160.67	---	1.3	-40
MW-3	04/17/2000	28,100	5,240	247	1,540	2,750	16,600	---	---	---	---	---	---	---	---	174.61	14.00	160.61	---	1.1	-86
MW-3	07/26/2000	24,300	6,680	159	1,610	1,640	17,100	---	---	---	---	---	---	---	---	174.61	13.72	160.89	---	0.9	-70
MW-3	10/12/2000	14,300	2,630	86.7	241	1,360	16,300	---	---	---	---	---	---	---	---	174.61	14.15	160.46	---	0.9	50
MW-3	01/15/2001	22,100	4,400	266	977	2,990	13,200	---	---	---	---	---	---	---	---	174.61	13.05	161.56	---	1.3	-40
MW-3	04/09/2001	33,800	7,100	147	1,700	2,660	13,000	---	---	---	---	---	---	---	---	174.61	13.59	161.02	---	0.6	-56
MW-3	07/24/2001	220,000	5,600	1,900	4,400	19,000	---	12,000	---	---	---	---	---	---	---	174.61	14.43	160.18	---	0.4	29
MW-3	10/31/2001	65,000	2,700	510	1,800	7,200	---	9,800	5,200	<20	<20	<20	---	---	<500	174.61	14.59	160.02	---	0.9	-27
MW-3	01/10/2002	66,000	2,400	490	1,700	6,600	---	5,500	---	---	---	---	---	---	---	174.61	12.65	161.96	---	1.7	-76
MW-3	04/25/2002	55,000	4,600	460	2,400	6,900	---	8,100	---	---	---	---	---	---	---	174.61	14.13	160.48	---	1.2	-96
MW-3	07/18/2002	56,000	3,300	270	1,700	5,000	---	8,400	---	---	---	---	---	---	---	174.61	15.48	159.15	0.03	0.8	-41
MW-3	10/07/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.60	160.15	0.20	---	---
MW-3	01/06/2003	57,000	3,200	330	1,800	5,400	---	5,100	---	---	---	---	---	---	---	174.59	11.62	162.99	0.02	0.4	33
MW-3	04/07/2003	57,000	6,200	500	2,400	6,700	---	8,200	3,900	---	---	---	---	---	---	174.59	13.80	160.79	---	0.5	61
MW-3	07/07/2003	28,000	4,900	300	1,500	4,100	---	7,900	4,700	---	---	---	---	---	---	174.59	14.00	160.59	---	1.0	-11
MW-3	10/09/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.44	160.21	0.08	---	---
MW-3	10/20/2003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.68	159.97	0.07	---	---
MW-3	01/14/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	12.47	162.14	0.02	---	---
MW-3	04/28/2004	32,000	7,300	190	2,100	4,300	---	3,700	2,500	---	---	---	---	---	---	174.59	13.66	160.93	---	0.1	-16
MW-3	07/12/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.87	159.75	0.04	---	---
MW-3	10/25/2004	49,000	5,100	61	1,800	3,600	---	5,400	2,700	---	---	---	---	---	---	174.59	14.12	160.47	---	2.70	-59
MW-3	01/17/2005	57,000	8,000	190	2,000	4,000	---	4,600	3,300	---	---	---	---	---	---	174.59	10.59	164.00	---	0.2	-18
MW-3	04/06/2005	57,000	7,300	180	2,200	3,300	---	4,100	2,700	---	---	---	---	---	---	174.59	10.58	164.01	---	0.95	-77
MW-3	07/08/2005	28,000	2,900	47	1,100	2,000	---	2,800	1,900	<20	<20	<20	---	---	<200	174.59	13.46	161.13	---	0.1	-51
MW-3	10/07/2005	23,000	3,200	39	960	1,300	---	2,600	1,900	---	---	---	---	---	---	174.59	14.76	159.83	---	---	---
MW-3	01/27/2006	38,500	6,520	139	1,350	2,160	---	1,940	1,490	---	---	---	---	---	---	174.59	11.69	162.90	---	---	---
MW-3	03/16/2006	65,100	5,280	181	1,580	2,520	---	2,410	12,300	---	---	---	---	---	---	174.59	10.08	164.51	---	---	---
MW-3	04/28/2006	<1000	4,330	157	1,480	2,690	---	2,470	1,520	---	---	---	---	---	---	174.59	3.31	171.28	---	---	---
MW-3	05/15/2006	69,600	6,100	159	1,690	2,640	---	3,520	1,720	---	---	---	---	---	---	174.59	12.69	161.90	---	---	---
MW-3	06/19/2006	103,000	5,070	117	2,210	3,950	---	2,790	1,080	---	---	---	---	---	---	174.59	13.28	161.31	---	---	---
MW-3	07/28/2006	86,600	4,890	85.7	1,570	2,250	---	2,790	1,260	7.28	<0.500	<0.500	---	---	<50.0	174.59	14.72	159.87	---	---	---
MW-3	08/31/2006	45,700	4,600	204	1,740	2,680	---	2,580	1,520	---	---	---	---	---	---	174.59	14.75	159.84	---	---	---
MW-3	09/26/2006	29,000	3,900	76	1,500	2,100	---	2,700	1,500	---	---	---	---	---	---	174.59	14.97	159.62	---	---	---
MW-3	10/27/2006	41,000	3,690	65.2	1,210	1,650	---	1,760	867 d	---	---	---	---	---	---	174.59	15.00	159.59	---	---	---
MW-3	11/22/2006	30,000	3,300	51	810	1,500	---	1,900	1,300	---	---	---	---	---	---	174.59	14.26	160.33	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	Date	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE 8020 (µg/L)	MTBE 8260 (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)	TOC (ft MSL)	Depth to Water (ft TOC)	GW Elevation (ft MSL)	SPH Thickness (ft)	DO Reading (mg/L)	ORP Reading (mV)
MW-3	12/26/2006	31,000	2,500	56	1,100	1,500	---	2,200	2,000	---	---	---	---	---	---	174.59	12.52	162.07	---	---	---
MW-3	01/10/2007	18,000	2,600	43	750	940	---	2,100	2,100	---	---	---	---	---	---	174.59	12.81	161.78	---	---	---
MW-3	02/19/2007	27,000	3,800	110	1,200	1,500	---	2,400	3,200	---	---	---	---	---	---	174.59	11.65	162.94	---	---	---
MW-3	03/16/2007	25,000	4,000	80	1,300	1,500	---	2,100	2,400	---	---	---	---	---	---	174.59	12.20	162.39	---	---	---
MW-3	04/13/2007	30,000 g	4,400	73	1,500	1,920	---	2,800	3,900	---	---	---	---	---	---	174.59	13.37	161.22	---	---	---
MW-3	07/09/2007	25,000 g	3,800	57	1,400	1,456	---	1,900	1,500	<100	<100	<100	---	---	<5,000	174.59	14.30	160.29	---	---	---
MW-3	10/08/2007	20,000 g	3,200	35 h	1,300	1,124 h	---	1,700	1,500	---	---	---	---	---	---	174.59	15.19	159.41	0.01	---	---
MW-3	11/19/2007	Unable to access			---	---	---	---	---	---	---	---	---	---	---	174.59	---	---	---	---	---
MW-3	11/30/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.07	160.52	---	---	---
MW-3	12/10/2007	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.78	160.81	---	---	---
MW-3	01/09/2008	33,000 g	2,800	34	910	782 h	---	1,000	1,100	---	---	---	---	---	---	174.59	11.09	163.50	---	---	---
MW-3	02/21/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	12.22	162.37	---	---	---
MW-3	03/20/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.03	161.56	---	---	---
MW-3	04/04/2008	24,000	3,300	55	1,100	844	---	1,900	1,200	---	---	---	---	---	---	174.59	13.41	161.18	---	---	---
MW-3	05/27/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	20.49	154.11	0.01	---	---
MW-3	06/11/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.95	160.65	0.01	---	---
MW-3	07/03/2008	33,000	3,800	38	1,500	1,200	---	2,600	1,800	<50	<50	<50	---	---	<2,500	174.59	10.48	164.12	0.01	---	---
MW-3	09/17/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.76	159.83	0.00	---	---
MW-3	09/17/1998	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.95	159.65	0.01	---	---
MW-3	10/03/2008	26,000	3,000	29	1,200	750	---	1,700	1,400	---	---	---	---	---	---	174.59	15.32	159.28	0.01	---	---
MW-3	11/26/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.54	160.05	0.00	---	---
MW-3	12/30/2008	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.04	161.55	---	---	---
MW-3	01/22/2009	27,000	2,300	29	880	610	---	1,600	1,700	---	---	---	---	---	---	174.59	13.73	160.86	---	---	---
MW-3	02/27/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	12.88	161.71	---	---	---
MW-3	04/13/2009	27,000	3,000	51	1,200	740	---	1,400	1,500	---	---	---	---	---	---	174.59	13.01	161.58	---	---	---
MW-3	07/23/2009	26,000	3,300	41	1,600	1,200	---	2,200	1,600	<50	<50	<50	---	---	<2,500	174.59	14.59	160.00	---	---	---
MW-3	11/10/2009	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.66	160.93	---	---	---
MW-3	02/01/2010	34,000	3,200	44	1,300	1,700	---	1,000	1,100	---	---	---	---	---	---	174.59	10.65	163.94	---	---	---
MW-3	08/02/2010	16,000	1,500	12	440	460	---	910	1,200	---	---	---	---	---	---	174.59	14.09	160.50	---	---	---
MW-3	01/31/2011	21,000	2,200	32	980	980	---	1,300	1,700	---	---	---	<20	<20	---	174.59	11.89	162.70	---	---	---
MW-3	04/26/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	12.56	162.03	0.00	---	---
MW-3	07/25/2011	23,000	1,600	24	1,200	1,000	---	840	940	<25	<25	<25	---	---	<3,800	174.59	13.53	161.06	0.00	---	---
MW-3	10/13/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.02	161.57	0.00	---	---
MW-3	01/23/2012	25,000	1,500	16	640	610	---	730	660	---	---	---	---	---	---	174.59	12.30	162.29	0.00	---	---
MW-3	04/23/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	11.43	163.16	0.00	---	---
MW-3	07/24/2012	22,000	2,100	33	870	550	---	970	1,100	<10	<10	<10	---	---	---	174.59	13.84	160.76	0.01	---	---
MW-3	11/07/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.81	160.78	0.00	---	---
MW-3	01/23/2013	36,000	1,600	18	900	830	---	800	1,200	---	---	---	---	---	---	174.59	12.85	161.74	0.00	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-3	04/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	13.33	161.26	0.00	---	---
MW-3	07/10/2013	14,000	1,700	17	250	330	---	870	970	<10	<10	<10	---	---	<3,000	174.59	14.01	160.58	0.00	---	---
MW-3	10/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	14.87	159.72	---	---	---
MW-3	01/16/2014	31,000	2,100	27	1,600	1,700	---	830	960	---	---	---	---	---	---	174.59	15.37	159.22	---	---	---
MW-3	04/29/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.59	12.99	161.60	0.00	---	---
MW-3	07/10/2014	19,000	1,900	26	510	560	---	910	1,000	<13	<13	<13	---	---	<3,800	174.59	14.63	159.96	0.00	---	---
MW-3	**10/14/2014**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**174.59**	**15.93**	**158.66**	**0.00**	**---**	**---**
MW-3	**01/27/2015**	**20,000**	**1,700**	**22**	**430**	**370**	**---**	**730**	**1,100**	**---**	**---**	**---**	**---**	**---**	**---**	**174.59**	**13.23**	**161.36**	**0.00**	**---**	**---**
MW-4	11/17/1994	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.06	6.62	157.44	---	---	---
MW-4	11/28/1994	2,900	200	17	76	260	---	---	---	---	---	---	---	---	---	164.06	6.11	157.95	---	---	---
MW-4	01/13/1995	1,900	130	5.6	13	40	---	---	---	---	---	---	---	---	---	164.06	6.05	158.01	---	---	---
MW-4	04/12/1995	680	150	<2.0	10	13	---	---	---	---	---	---	---	---	---	164.06	6.31	157.75	---	---	---
MW-4	07/25/1995	340	100	0.80	8.8	3.0	---	---	---	---	---	---	---	---	---	164.06	7.36	156.70	---	---	---
MW-4	10/18/1995	150	31	<0.50	3.5	0.80	---	---	---	---	---	---	---	---	---	164.06	8.54	155.52	---	---	---
MW-4	01/17/1996	290	14	<0.50	1.8	0.80	---	---	---	---	---	---	---	---	---	164.06	8.48	155.58	---	---	---
MW-4	04/25/1996	<500	65	<5.0	<5.0	<5.0	1,700	---	---	---	---	---	---	---	---	164.06	7.40	156.66	---	---	---
MW-4 (D)	04/25/1996	<500	66	<5.0	8.7	<5.0	1,500	---	---	---	---	---	---	---	---	164.06	7.40	156.66	---	---	---
MW-4	07/17/1996	<500	84	<5.0	6.5	<5.0	1,500	---	---	---	---	---	---	---	---	164.06	7.75	156.31	---	---	---
MW-4 (D)	07/17/1996	<500	54	<5.0	<5.0	<5.0	1,700	2,100	---	---	---	---	---	---	---	164.06	7.75	156.31	---	---	---
MW-4	10/01/1996	<500	1.9	<5.0	<5.0	<5.0	3,000	---	---	---	---	---	---	---	---	164.06	8.82	155.24	---	---	---
MW-4	01/22/1997	580	130	<2.5	18	5.2	1,200	---	---	---	---	---	---	---	---	164.06	7.51	156.55	---	---	---
MW-4	04/08/1997	770	200	7.0	26	55	1,500	8.0	---	---	---	---	---	---	---	164.06	7.18	156.88	---	---	---
MW-4	07/08/1997	570	78	<5.0	14	11	1,200	---	---	---	---	---	---	---	---	164.06	9.00	155.06	---	---	---
MW-4 (D)	07/08/1997	640	81	<5.0	16	19	1,600	---	---	---	---	---	---	---	---	164.06	9.00	155.06	---	---	---
MW-4	10/08/1997	<500	40	<5.0	7.4	5.4	1,400	---	---	---	---	---	---	---	---	164.06	8.97	155.09	---	---	---
MW-4 (D)	10/08/1997	<500	36	<5.0	5.9	<5.0	1,400	---	---	---	---	---	---	---	---	164.06	8.97	155.09	---	---	---
MW-4	01/08/1998	<1,000	55	<10	13	<10	2,000	---	---	---	---	---	---	---	---	164.06	7.90	156.16	---	---	---
MW-4	04/13/1998	350	110	2.4	20	26	<2.5	---	---	---	---	---	---	---	---	164.06	7.35	156.71	---	---	---
MW-4	07/17/1998	210	66	0.78	5.4	9.8	1,700	---	---	---	---	---	---	---	---	164.06	6.95	157.11	---	---	---
MW-4	10/02/1998	<50	0.69	<0.50	<0.50	<0.50	2,900	---	---	---	---	---	---	---	---	164.06	7.35	156.71	---	---	---
MW-4	02/03/1999	560	120	2.5	29	34	6,800	---	---	---	---	---	---	---	---	164.06	7.71	156.35	---	0.9	---
MW-4	04/29/1999	390	80	1.9	13	19	7,000	8,360	---	---	---	---	---	---	---	164.06	7.83	156.23	---	1.1	-125
MW-4	07/23/1999	460	93.6	8.40	25.2	28.8	3,760	6,000 f	---	---	---	---	---	---	---	164.06	11.33	152.73	---	0.9	---
MW-4	11/01/1999	77.3	0.520	<0.500	<0.500	<0.500	539	---	---	---	---	---	---	---	---	164.06	10.66	153.40	---	2.8	3
MW-4	01/17/2000	160	27	<0.50	12	6.3	12,000	---	---	---	---	---	---	---	---	164.06	10.15	153.91	---	3.9	-17
MW-4	04/17/2000	<500	26	6.38	9.35	10.4	9,070	---	---	---	---	---	---	---	---	164.06	10.10	153.96	---	1.7	-129
MW-4	07/26/2000	<500	22.7	<5.00	7.59	6.96	7,660	---	---	---	---	---	---	---	---	164.06	10.09	153.97	---	1.4	-137

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-4	10/12/2000	172	19.8	<0.500	7.47	4.50	8,290	---	---	---	---	---	---	---	---	164.06	9.35	154.71	---	3.5	529
MW-4	01/15/2001	53.6	1.50	<0.500	2.45	1.80	9,260	---	---	---	---	---	---	---	---	164.06	8.77	155.29	---	2.3	53
MW-4	04/09/2001	<500	<5.00	<5.00	<5.00	5.52	10,300	---	---	---	---	---	---	---	---	164.06	7.75	156.31	---	1.0	-133
MW-4	07/24/2001	58	3.8	<0.50	3.2	2.9	---	1,700	---	---	---	---	---	---	---	164.06	10.07	153.99	---	0.5	106
MW-4	10/31/2001	<1,000	<10	<10	<10	<10	---	7,400	---	---	---	---	---	---	---	164.06	9.97	154.09	---	0.8	22
MW-4	01/10/2002	<2,000	<20	<20	<20	<20	---	12,000	---	---	---	---	---	---	---	164.06	8.53	155.53	---	8.9	224
MW-4	04/25/2002	<2,000	<20	<20	<20	<20	---	7,900	---	---	---	---	---	---	---	164.06	7.33	156.73	---	3.6	-84
MW-4	07/18/2002	<2,000	<20	<20	<20	<20	---	7,200	---	---	---	---	---	---	---	164.06	9.05	155.01	---	1.7	120
MW-4	10/07/2002	<1,000	<10	<10	<10	<10	---	3,300	---	---	---	---	---	---	---	164.03	9.06	154.97	---	2.5	33
MW-4	01/06/2003	<500	21	<5.0	<5.0	<5.0	---	2,500	---	---	---	---	---	---	---	164.03	7.09	156.94	---	0.5	55
MW-4	04/07/2003	<2,500	<25	<25	<25	<50	---	1,700	5,900	---	---	---	---	---	---	164.03	8.26	155.77	---	1.2	69
MW-4	07/07/2003	<2,500	<25	<25	<25	<50	---	860	6,900	---	---	---	---	---	---	164.03	8.92	155.11	---	0.5	-3
MW-4	10/09/2003	<500	<5.0	<5.0	<5.0	<10	---	420	6,700	---	---	---	---	---	---	164.03	8.91	155.12	---	0.7	171
MW-4	01/14/2004	<1,000	24	<10	<10	<20	---	500	7,200	---	---	---	---	---	---	164.03	8.34	155.69	---	1.2	140
MW-4	04/28/2004	<500	6.0	<5.0	<5.0	<10	---	310	5,200	---	---	---	---	---	---	164.03	7.55	156.48	---	0.4	69
MW-4	07/12/2004	<500	11	<5.0	7.8	<10	---	370	5,900	<20	<20	<20	---	---	<500	164.03	8.12	155.91	---	0.5	142
MW-4	10/25/2004	<500	<5.0	<5.0	5.6	<10	---	280	4,300	---	---	---	---	---	---	164.03	7.85	156.18	---	1.90	-70
MW-4	01/17/2005	<1,000	56	<10	10	<20	---	380	8,400	---	---	---	---	---	---	164.03	6.08	157.95	---	0.4	6
MW-4	04/06/2005	<1,000	52	<10	11	<20	---	450	12,000	---	---	---	---	---	---	164.03	8.10	155.93	---	0.49	11
MW-4	07/08/2005	<400	30	<4.0	6.0	<4.0	---	250	9,600	<4.0	<4.0	<4.0	---	---	<40	164.03	7.50	156.53	---	0.6	71
MW-4	07/08/2005	<400	30	<4.0	6.0	<4.0	---	250	9,600	<4.0	<4.0	<4.0	---	---	<40	164.03	7.50	156.53	---	0.6	71
MW-4	10/07/2005	<1,000	<10	<10	<10	<20	---	200	8,900	---	---	---	---	---	---	164.03	8.30	155.73	---	---	---
MW-4	01/27/2006	1,140	34.3	2.37	8.69	12.0	---	198	32,100	---	---	---	---	---	---	164.03	8.55	155.48	---	---	---
MW-4	04/28/2006	1,490	46.8	2.80	21.2	24.8	---	344	14,800	---	---	---	---	---	---	164.03	9.02	155.01	---	---	---
MW-4	07/28/2006	951	5.09	<0.500	<0.500	<0.500	---	169	4,830	1.57	<0.500	<0.500	---	---	<50.0	164.03	9.19	154.84	---	---	---
MW-4	10/27/2006	1,620	21.5	2.65	13.2	10.3	---	173	5,150	---	---	---	---	---	---	164.03	9.01	155.02	---	---	---
MW-4	01/10/2007	740	56	2.4	23	24	---	190	7,500 f	---	---	---	---	---	---	164.03	6.95	157.08	---	---	---
MW-4	04/13/2007	1,500 g	130	20	100	138	---	120	6,300	---	---	---	---	---	---	164.03	7.51	156.52	---	---	---
MW-4	07/09/2007	650 g	65	5.3 h	36	33.2 h	---	130	6,000	<20	<20	<20	---	---	<1,000	164.03	7.85	156.18	---	---	---
MW-4	10/08/2007	840 g	100	23	70	120	---	120	5,300	---	---	---	---	---	---	164.03	8.50	155.53	---	---	---
MW-4	01/09/2008	2,200 g	130	38	130	264	---	160	5,400	---	---	---	---	---	---	164.03	8.33	155.70	---	---	---
MW-4	04/04/2008	1,700	93	24	74	145	---	110	3,700	---	---	---	---	---	---	164.03	6.63	157.40	---	---	---
MW-4	07/03/2008	1,400	87	15	54	109	---	88	3,900	<20	<20	<20	---	---	<1,000	164.03	8.25	155.78	---	---	---
MW-4	10/03/2008	1,000	61	12	41	78	---	84	3,700	---	---	---	---	---	---	164.03	8.54	155.49	---	---	---
MW-4	01/22/2009	800	26	5.4	14	26	---	81	4,100	---	---	---	---	---	---	164.03	7.40	156.63	---	---	---
MW-4	04/13/2009	2,000	100	26	64	130	---	69	3,200	---	---	---	---	---	---	164.03	6.91	157.12	---	---	---
MW-4	07/23/2009	1,500	180	54	86	200	---	85	2,500	<10	<10	<10	---	---	<500	164.03	7.97	156.06	---	---	---
MW-4	02/01/2010	1,400	120	44	57	120	---	81	2,900	---	---	---	---	---	---	164.03	6.05	157.98	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-4	08/02/2010	340,000	5,300	5,800	7,700	26,000	---	62	1,800	---	---	---	---	---	---	164.03	6.48	157.65	0.12	---	---
MW-4	01/31/2011	9,700	47	62	340	1,100	---	77	1,300	---	---	---	<5.0	<5.0	---	164.03	6.67	157.36	---	---	---
MW-4	04/26/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	8.73	155.30	0.00	---	---
MW-4	07/25/2011	94,000	2,800	2,900	3,800	12,000	---	<100	<1,000	<100	<100	<100	---	---	<15,000	164.03	7.27	156.76	0.00	---	---
MW-4	10/13/2011	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	7.57	156.46	0.00	---	---
MW-4	01/23/2012	6,100	83	61	230	510	---	46	150	---	---	---	---	---	---	164.03	5.82	158.21	0.00	---	---
MW-4	04/23/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	6.50	157.53	0.00	---	---
MW-4	07/24/2012	5,400	95	33	160	410	---	42	67	<2.5	<2.5	<2.5	---	---	---	164.03	7.19	156.84	0.00	---	---
MW-4	11/07/2012	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	6.96	157.07	0.00	---	---
MW-4	01/23/2013	31,000	110	190	950	3,400	---	33	<500	---	---	---	---	---	---	164.03	6.75	157.28	0.00	---	---
MW-4	04/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	7.11	156.92	0.00	---	---
MW-4	07/10/2013	9,000	63	24	180	600	---	34	<100	<5.0	<5.0	<5.0	---	---	<1,500	164.03	7.15	156.88	0.00	---	---
MW-4	10/01/2013	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	8.36	155.67	---	---	---
MW-4	01/16/2014	10,000	150	100	430	1,300	---	30	<100	---	---	---	---	---	---	164.03	8.41	155.62	---	---	---
MW-4	04/29/2014	---	---	---	---	---	---	---	---	---	---	---	---	---	---	164.03	7.49	156.54	0.00	---	---
MW-4	07/10/2014	9,700	120	130	660	2,000	---	33	<100	<5.0	<5.0	<5.0	---	---	<1,500	164.03	8.28	155.75	0.00	---	---
MW-4	**10/14/2014**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**164.03**	**9.54**	**154.49**	**0.00**	**---**	**---**
MW-4	**01/27/2015**	**8,300**	**73**	**43**	**350**	**1,100**	**---**	**35**	**<50**	**---**	**---**	**---**	**---**	**---**	**---**	**164.03**	**6.90**	**157.13**	**0.00**	**---**	**---**
MW-5	01/04/2002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.62	---	---	---	---
MW-5	01/10/2002	<50	<0.50	<0.50	<0.50	<0.50	---	110	---	---	---	---	---	---	---	164.06	5.88	158.18	---	3.3	172
MW-5	04/25/2002	<50	<0.50	<0.50	<0.50	<0.50	---	73	---	---	---	---	---	---	---	164.06	6.81	157.25	---	0.3	-44
MW-5	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	---	75	---	---	---	---	---	---	---	164.06	7.38	156.68	---	0.4	170
MW-5	10/07/2002	<50	<0.50	<0.50	<0.50	<0.50	---	41	---	---	---	---	---	---	---	164.14	6.75	157.39	---	1.5	16
MW-5	01/06/2003	<50	<0.50	<0.50	<0.50	<0.50	---	81	---	---	---	---	---	---	---	164.14	5.96	158.18	---	0.6	166
MW-5	04/07/2003	<50	<0.50	<0.50	<0.50	<1.0	---	77	28	---	---	---	---	---	---	164.14	6.51	157.63	---	0.8	174
MW-5	07/07/2003	<50	<0.50	<0.50	<0.50	<1.0	---	32	23	---	---	---	---	---	---	164.14	6.44	157.70	---	0.3	-17
MW-5	10/09/2003	<50	<0.50	<0.50	<0.50	<1.0	---	59	40	---	---	---	---	---	---	164.14	7.05	157.09	---	0.9	17
MW-5	01/14/2004	<50	<0.50	0.76	<0.50	<1.0	---	47	17	---	---	---	---	---	---	164.14	6.29	157.85	---	1.6	209
MW-5	04/28/2004	<50	<0.50	<0.50	<0.50	<1.0	---	31	11	---	---	---	---	---	---	164.14	6.84	157.30	---	0.4	136
MW-5	07/12/2004	<50	<0.50	<0.50	<0.50	<1.0	---	47	12	<2.0	<2.0	<2.0	---	---	<50	164.14	7.57	156.57	---	0.4	90
MW-5	10/25/2004	<50	<0.50	<0.50	<0.50	<1.0	---	41	13	---	---	---	---	---	---	164.14	6.50	157.64	---	1.74	-21
MW-5	01/17/2005	<50	<0.50	<0.50	<0.50	<1.0	---	41	12	---	---	---	---	---	---	164.14	5.83	158.31	---	0.1	-7
MW-5	04/06/2005	<50	<0.50	<0.50	<0.50	<1.0	---	12	<5.0	---	---	---	---	---	---	164.14	5.91	158.23	---	1.05	-62
MW-5	07/08/2005	<50	<0.50	<0.50	<0.50	<0.50	---	26	18	<0.50	<0.50	<0.50	---	---	<5.0	164.14	6.78	157.36	---	1.2	81
MW-5	10/07/2005	<50	<0.50	<0.50	<0.50	<1.0	---	28	24	---	---	---	---	---	---	164.14	7.64	156.50	---	---	---
MW-5	01/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	26.7	46.3	---	---	---	---	---	---	164.14	6.21	157.93	---	---	---
MW-5	04/28/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	39.1	15.0	---	---	---	---	---	---	164.14	6.05	158.09	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-5	07/28/2006	103	<0.500	<0.500	<0.500	<0.500	---	35.5	<10.0	<0.500	<0.500	<0.500	---	---	<50.0	164.14	7.54	156.60	---	---	---
MW-5	10/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	19.7	26.0 d	---	---	---	---	---	---	164.14	7.91	156.23	---	---	---
MW-5	01/10/2007	<50	<0.50	<0.50	<0.50	<1.0	---	11	16	---	---	---	---	---	---	164.14	6.38	157.76	---	---	---
MW-5	04/13/2007	76 c,g	<0.50	<1.0	<1.0	<1.0	---	35	37	---	---	---	---	---	---	164.14	6.58	157.56	---	---	---
MW-5	07/09/2007	<50 g	<0.50	<1.0	<1.0	<1.0	---	26	34	<2.0	<2.0	<2.0	---	---	<100	164.14	7.28	156.86	---	---	---
MW-5	10/08/2007	<50 g	<0.50	<1.0	<1.0	<1.0	---	25	28	---	---	---	---	---	---	164.14	8.01	156.13	---	---	---
MW-5	01/09/2008	<50 g	0.15 h	<1.0	<1.0	<1.0	---	11	7.6 h	---	---	---	---	---	---	164.14	5.45	158.69	---	---	---
MW-5	04/04/2008	50	<0.50	<1.0	<1.0	<1.0	---	17	<10	---	---	---	---	---	---	164.14	6.61	157.53	---	---	---
MW-5	07/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	16	11	<2.0	<2.0	<2.0	---	---	<100	164.14	7.40	156.74	---	---	---
MW-5	10/03/2008	<50	<0.50	<1.0	<1.0	<1.0	---	17	14	---	---	---	---	---	---	164.14	7.90	156.24	---	---	---
MW-5	01/22/2009	<50	<0.50	<1.0	<1.0	<1.0	---	9.2	<10	---	---	---	---	---	---	164.14	6.30	157.84	---	---	---
MW-5	04/13/2009	<50	<0.50	<1.0	<1.0	<1.0	---	8.4	<10	---	---	---	---	---	---	164.14	6.42	157.72	---	---	---
MW-5	07/23/2009	<50	<0.50	<1.0	<1.0	<1.0	---	15	<10	<2.0	<2.0	<2.0	---	---	<100	164.14	7.60	156.54	---	---	---
MW-5	02/01/2010	<50	<0.50	<1.0	<1.0	<1.0	---	9.0	<10	---	---	---	---	---	---	164.14	5.80	158.34	---	---	---
MW-5	08/02/2010	<50	<0.50	<1.0	<1.0	<1.0	---	7.5	<10	---	---	---	---	---	---	164.14	7.00	157.14	---	---	---
MW-5	01/31/2011	<50	<0.50	<0.50	<0.50	<1.0	---	7.5	<10	---	---	---	<0.50	<0.50	---	164.14	5.79	158.35	---	---	---
MW-5	07/25/2011	Unable to locate		---	---	---	---	---	---	---	---	---	---	---	---	164.14	---	---	---	---	---
MW-5	01/23/2012	<50	<0.50	<0.50	<0.50	<1.0	---	5.7	<10	---	---	---	---	---	---	164.14	5.40	158.74	---	---	---
MW-5	07/24/2012	<50	<0.50	<0.50	<0.50	<1.0	---	9.0	<10	<0.50	<0.50	<0.50	---	---	---	164.14	6.45	157.69	---	---	---
MW-5	01/23/2013	<50	<0.50	<0.50	<0.50	<1.0	---	6.0	<10	---	---	---	---	---	---	164.14	6.32	157.82	---	---	---
MW-5	07/10/2013	<50	<0.50	<0.50	<0.50	<1.0	---	6.8	<10	<0.50	<0.50	<0.50	---	---	<150	164.14	6.68	157.46	---	---	---
MW-5	01/16/2014	<50	<0.50	<0.50	<0.50	<1.0	---	2.5	<10	---	---	---	---	---	---	164.14	7.86	156.28	---	---	---
MW-5	07/10/2014	<50	<0.50	<0.50	<0.50	<1.0	---	6.0	<10	<0.50	<0.50	<0.50	---	---	<150	164.14	7.66	156.48	---	---	---
MW-5	**01/27/2015**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**--**	**2.9**	**<10**	**---**	**---**	**---**	**---**	**---**	**---**	**164.14**	**6.47**	**157.67**	**---**	**---**	**---**
MW-6	06/26/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	169.89	10.25	159.64	---	---	---
MW-6	07/28/2006	19,200	1,290	41.7	141	245	---	777	8,340	3.37	<0.500	<0.500	---	---	<50.0	169.89	11.00	158.89	---	---	---
MW-6	10/27/2006	11,400	1,250	41.0	155	242	---	569	7,270	---	---	---	---	---	---	169.89	11.41	158.48	---	---	---
MW-6	01/10/2007	7,000	1,000	26	270	240	---	770	17,000	---	---	---	---	---	---	169.89	9.43	160.46	---	---	---
MW-6	04/13/2007	4,200 g	820	22	72	71	---	490	9,500	---	---	---	---	---	---	169.89	9.81	160.08	---	---	---
MW-6	07/09/2007	6,100 g	960	23	65	116	---	280	8,400	<40	<40	<40	---	---	<2,000	169.89	10.80	159.09	---	---	---
MW-6	10/08/2007	3,600 g	960	17 h	27	76 h	---	260	7,000	---	---	---	---	---	---	169.89	11.64	158.25	---	---	---
MW-6	01/09/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	169.89	---	---	---	---	---
MW-6	01/22/2008	4,100 g	610	14 h	31	19 h	---	180	7,700	---	---	---	---	---	---	169.89	8.81	161.08	---	---	---
MW-6	04/04/2008	6,100	760	<20	20	29	---	240	6,900	---	---	---	---	---	---	169.89	10.01	159.88	---	---	---
MW-6	07/03/2008	7,100	1,100	<20	25	50	---	220	9,400	<40	<40	<40	---	---	<2,000	169.89	10.94	158.95	---	---	---
MW-6	10/03/2008	7,400	1,000	<20	<20	116	---	270	8,400	---	---	---	---	---	---	169.89	11.87	158.02	---	---	---
MW-6	01/22/2009	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	169.89	---	---	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-6	04/13/2009	5,300	690	<20	35	47	---	210	9,000	---	---	---	---	---	---	169.89	9.70	160.19	---	---	---
MW-6	07/23/2009	6,800	1,100	<20	<20	42	---	220	7,400	<40	<40	<40	---	---	<2000	169.89	11.09	158.80	---	---	---
MW-6	02/01/2010	4,000	460	<10	<10	<10	---	88	8,400	---	---	---	---	---	---	169.89	8.05	161.84	---	---	---
MW-6	08/02/2010	7,600	860	15	18	49	---	97	6,800	---	---	---	---	---	---	169.89	10.50	159.39	---	---	---
MW-6	01/31/2011	2,800	370	11	19	26	---	170	4,800	---	---	---	<5.0	<5.0	---	169.89	8.52	161.37	---	---	---
MW-6	07/25/2011	4,600	730	13	6.5	18	---	110	5,500	<10	<10	<10	---	---	<1,500	169.89	10.08	159.81	---	---	---
MW-6	01/23/2012	2,100	300	5.3	5.1	13	---	61	3,100	---	---	---	---	---	---	169.89	8.18	161.71	---	---	---
MW-6	07/24/2012	3,400	510	8.8	5.8	14	---	110	5,100	<5.0	<5.0	<5.0	---	---	---	169.89	10.01	159.88	---	---	---
MW-6	01/23/2013	2,400	260	5.4	30	15	---	110	4,600	---	---	---	---	---	---	169.89	9.62	160.27	---	---	---
MW-6	07/10/2013	3,000	390	6.3	<5.0	12	---	110	4,300	<5.0	<5.0	<5.0	---	---	<1,500	169.89	9.94	159.95	---	---	---
MW-6	01/16/2014	3,500	500	9.3	9.0	14	---	64	3,900	---	---	---	---	---	---	169.89	11.10	158.79	---	---	---
MW-6	07/10/2014	3,300	400	9.4	8.7	26	---	150	5,200	<5.0	<5.0	<5.0	---	---	<1,500	169.89	11.11	158.78	---	---	---
MW-6	**01/27/2015**	**3,300**	**400**	**8.4**	**9.7**	**15**	**---**	**67**	**3,600**	**---**	**---**	**---**	**---**	**---**	**---**	**169.89**	**9.91**	**159.98**	**---**	**---**	**---**
MW-7	06/26/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	170.87	9.59	161.28	---	---	---
MW-7	07/28/2006	5,860	72.0	6.67	25.4	165	---	3,940	1,420	<0.500	<0.500	2.89	---	---	<50.0	170.87	10.08	160.79	---	---	---
MW-7	10/27/2006	1,180	8.67	<0.500	2.48	7.52	---	1,100	184	---	---	---	---	---	---	170.87	10.13	160.74	---	---	---
MW-7	01/10/2007	1,000	12	<5.0	<5.0	<10	---	2,200 f	2,400	---	---	---	---	---	---	170.87	8.41	162.46	---	---	---
MW-7	04/13/2007	1,100 c,g	54	<20	18 h	23.5 h	---	2,500	3,800	---	---	---	---	---	---	170.87	8.25	162.62	---	---	---
MW-7	07/09/2007	1,100 g	41	<20	8.8 h	4.5 h	---	2,000	1,200	<40	<40	<40	---	---	<2,000	170.87	9.22	161.65	---	---	---
MW-7	10/08/2007	400 g	25	<20	<20	<20	---	1,500	740	---	---	---	---	---	---	170.87	9.41	161.46	---	---	---
MW-7	01/09/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.87	---	---	---	---	---
MW-7	01/22/2008	160 g	32	<10	<10	<10	---	1,900	820	---	---	---	---	---	---	170.87	7.63	163.24	---	---	---
MW-7	04/04/2008	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.87	---	---	---	---	---
MW-7	07/03/2008	1,500	11	<10	<10	<10	---	1,700	680	<20	<20	<20	---	---	<1,000	170.87	8.96	161.91	---	---	---
MW-7	10/03/2008	1,000	5.6	<10	<10	<10	---	970	550	---	---	---	---	---	---	170.87	9.57	161.30	---	---	---
MW-7	01/22/2009	880	<5.0	<10	<10	18	---	550	250	---	---	---	---	---	---	170.87	8.60	162.27	---	---	---
MW-7	04/13/2009	1,400	15	<10	<10	<10	---	820	440	---	---	---	---	---	---	170.87	8.24	162.63	---	---	---
MW-7	07/23/2009	1,400	12	<10	<10	<10	---	1,300	550	<20	<20	<20	---	---	<1000	170.87	9.10	161.77	---	---	---
MW-7	02/01/2010	1,300	20	<10	<10	<10	---	1,300	920	---	---	---	---	---	---	170.87	6.81	164.06	---	---	---
MW-7	08/02/2010	780	10	<5.0	<5.0	<5.0	---	890	680	---	---	---	---	---	---	170.87	8.55	162.32	---	---	---
MW-7	01/31/2011	340	12	3.2	6.1	17	---	390	480	---	---	---	<2.5	<2.5	---	170.87	7.58	163.29	---	---	---
MW-7	07/25/2011	480 c	8.8	<2.5	3.8	5.8	---	500	480	<5.0	<5.0	<5.0	---	---	<750	170.87	8.11	162.76	---	---	---
MW-7	01/23/2012	Unable to access		---	---	---	---	---	---	---	---	---	---	---	---	170.87	---	---	---	---	---
MW-7	07/24/2012	610	9.2	<2.5	<2.5	6.6	---	540	600	<2.5	<2.5	<2.5	---	---	---	170.87	8.30	162.57	---	---	---
MW-7	01/23/2013	700	26	<5.0	<5.0	15	---	520	640	---	---	---	---	---	---	170.87	7.79	163.08	---	---	---
MW-7	07/10/2013	710	10	<5.0	<5.0	<10	---	550	520	<5.0	<5.0	<5.0	---	---	<1,500	170.87	8.37	162.50	---	---	---
MW-7	01/16/2014	<500	<5.0	<5.0	<5.0	<10	---	170	<100	---	---	---	---	---	---	170.87	9.13	161.74	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-7	07/10/2014	590 i	11	<2.5	<2.5	5.4	---	500	490	<2.5	<2.5	<2.5	---	---	<750	170.87	8.82	162.05	---	---	---
MW-7	**01/27/2015**	**510 i**	**9.6**	**<2.5**	**<5.0**	**<5.0**	**---**	**310**	**350**	**---**	**---**	**---**	**---**	**---**	**---**	**170.87**	**7.95**	**162.92**	**---**	**---**	**---**
MW-8	06/26/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	174.13	4.53	169.60	---	---	---
MW-8	07/28/2006	2,300	<0.500	<0.500	<0.500	<0.500	---	1,380	<10.0	<0.500	<0.500	0.950	---	---	<50.0	174.13	4.55	169.58	---	---	---
MW-8	10/27/2006	1,570	2.79 e	<0.500	<0.500	<0.500	---	1,280 e	<10.0	---	---	---	---	---	---	174.13	4.87	169.26	---	---	---
MW-8	01/10/2007	540	<2.5	<2.5	<2.5	<5.0	---	1,200 f	750	---	---	---	---	---	---	174.13	4.17	169.96	---	---	---
MW-8	04/13/2007	450 c,g	<5.0	<10	<10	<10	---	1,400	<100	---	---	---	---	---	---	174.13	4.13	170.00	---	---	---
MW-8	07/09/2007	590 g	<5.0	<10	<10	<10	---	1,000	<100	<20	<20	<20	---	---	<1,000	174.13	6.33	167.80	---	---	---
MW-8	10/08/2007	270 c,g	<5.0	<10	<10	<10	---	1,200	<100	---	---	---	---	---	---	174.13	5.63	168.50	---	---	---
MW-8	01/09/2008	200 c,g	<2.5	<5.0	<5.0	<5.0	---	370	<50	---	---	---	---	---	---	174.13	4.17	169.96	---	---	---
MW-8	04/04/2008	1,000	<5.0	<10	<10	<10	---	930	<100	---	---	---	---	---	---	174.13	4.36	169.77	---	---	---
MW-8	07/03/2008	960	<5.0	<10	<10	<10	---	1,000	<100	<20	<20	<20	---	---	<1,000	174.13	5.05	169.08	---	---	---
MW-8	10/03/2008	820	<5.0	<10	<10	<10	---	830	<100	---	---	---	---	---	---	174.13	5.54	168.59	---	---	---
MW-8	01/22/2009	1,000	<2.5	<5.0	<5.0	<5.0	---	740	<50	---	---	---	---	---	---	174.13	5.00	169.13	---	---	---
MW-8	04/13/2009	810	<2.5	<5.0	<5.0	<5.0	---	520	<50	---	---	---	---	---	---	174.13	4.51	169.62	---	---	---
MW-8	07/23/2009	840	<2.5	<5.0	<5.0	<5.0	---	830	<50	<10	<10	<10	---	---	<500	174.13	4.92	169.21	---	---	---
MW-8	02/01/2010	270	<1.0	<2.0	<2.0	<2.0	---	260	<20	---	---	---	---	---	---	174.13	3.65	170.48	---	---	---
MW-8	08/02/2010	430	<2.5	<5.0	<5.0	<5.0	---	480	<50	---	---	---	---	---	---	174.13	4.52	169.61	---	---	---
MW-8	01/31/2011	<250	<2.5	<2.5	<2.5	<5.0	---	380	300	---	---	---	<2.5	<2.5	---	174.13	4.29	169.84	---	---	---
MW-8	07/25/2011	300 c	<2.0	<2.0	<2.0	<4.0	---	350	<40	<4.0	<4.0	<4.0	---	---	<600	174.13	4.56	169.57	---	---	---
MW-8	01/23/2012	<250	<2.5	<2.5	<2.5	<5.0	---	320	98	---	---	---	---	---	---	174.13	4.49	169.64	---	---	---
MW-8	07/24/2012	350	<2.5	<2.5	<2.5	<5.0	---	330	<50	<2.5	<2.5	<2.5	---	---	---	174.13	4.85	169.28	---	---	---
MW-8	01/23/2013	290	<2.5	<2.5	<2.5	<5.0	---	270	100	---	---	---	---	---	---	174.13	4.25	169.88	---	---	---
MW-8	07/10/2013	290	<2.5	<2.5	<2.5	<5.0	---	250	<50	<2.5	<2.5	<2.5	---	---	<750	174.13	4.95	169.18	---	---	---
MW-8	01/16/2014	<250	<2.5	<2.5	<2.5	<5.0	---	230	<50	---	---	---	---	---	---	174.13	5.60	168.53	---	---	---
MW-8	07/10/2014	<250	<2.5	<2.5	<2.5	<5.0	---	210	<50	<2.5	<2.5	<2.5	---	---	<750	174.13	4.92	169.21	---	---	---
MW-8	**01/27/2015**	**280 i**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**---**	**150**	**<50**	**---**	**---**	**---**	**---**	**---**	**---**	**174.13**	**4.45**	**169.68**	**---**	**---**	**---**
MW-9	06/26/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	---	175.20	6.41	168.79	---	---	---
MW-9	07/28/2006	5,690	19.2	2.64	2.02	57.7	---	5,780	166	<0.500	<0.500	2.74	---	---	<50.0	175.20	6.69	168.51	---	---	---
MW-9	10/27/2006	2,710	34.2	<0.500	2.76	4.75	---	2,140	29.2 d	---	---	---	---	---	---	175.20	6.90	168.30	---	---	---
MW-9	01/10/2007	1,500	340	6.8	8.9	27	---	2,300 f	1,400	---	---	---	---	---	---	175.20	6.14	169.06	---	---	---
MW-9	04/13/2007	1,600 c,g	390	4.1 h	8.6 h	4.7 h	---	3,700	120	---	---	---	---	---	---	175.20	6.17	169.03	---	---	---
MW-9	07/09/2007	1,200 g	55	<25	<25	<25	---	2,500	<250	<50	<50	<50	---	---	<2,500	175.20	6.65	168.55	---	---	---
MW-9	10/08/2007	520 c,g	9.1 h	<25	<25	<25	---	2,500	<250	---	---	---	---	---	---	175.20	7.58	167.62	---	---	---
MW-9	01/09/2008	350 c,g	3.4 h	<10	<10	<10	---	650	<100	---	---	---	---	---	---	175.20	6.30	168.90	---	---	---
MW-9	04/04/2008	1,500	88	<10	<10	<10	---	1,200	<100	---	---	---	---	---	---	175.20	6.05	169.15	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
MW-9	07/03/2008	2,600	70	<10	<10	<10	---	2,800	<100	<20	<20	<20	---	---	<1,000	175.20	7.00	168.20	---	---	---
MW-9	10/03/2008	2,600	160	<20	<20	<20	---	2,400	<200	---	---	---	---	---	---	175.20	7.39	167.81	---	---	---
MW-9	01/22/2009	2,900	130	<20	<20	30	---	1,900	<200	---	---	---	---	---	---	175.20	7.00	168.20	---	---	---
MW-9	04/13/2009	5,200	590	24	60	89	---	1,600	230	---	---	---	---	---	---	175.20	6.47	168.73	---	---	---
MW-9	07/23/2009	6,300	830	30	150	130	---	3,200	170	<20	<20	<20	---	---	<1000	175.20	7.05	168.15	---	---	---
MW-9	02/01/2010	18,000	1,900	130	770	1,200	---	2,400	430	---	---	---	---	---	---	175.20	5.70	169.50	---	---	---
MW-9	08/02/2010	2,200	270	<10	99	36	---	1,200	280	---	---	---	---	---	---	175.20	6.50	168.70	---	---	---
MW-9	01/31/2011	1,100	120	9.5	60	63	---	1,100	1,000	---	---	---	<5.0	<5.0	---	175.20	6.21	168.99	---	---	---
MW-9	07/25/2011	1,200	210	<5.0	67	15	---	710	480	<10	<10	<10	---	---	<1,500	175.20	6.53	168.67	---	---	---
MW-9	01/23/2012	390	9.9	<1.0	4.7	5.8	---	460	370	---	---	---	---	---	---	175.20	6.49	168.71	---	---	---
MW-9	07/24/2012	970	91	<5.0	15	<10	---	660	530	<5.0	<5.0	<5.0	---	---	---	175.20	6.95	168.25	---	---	---
MW-9	01/23/2013	940	84	<5.0	20	<10	---	640	540	---	---	---	---	---	---	175.20	6.24	168.96	---	---	---
MW-9	07/10/2013	540	10	<5.0	<5.0	<10	---	360	290	<5.0	<5.0	<5.0	---	---	<1,500	175.20	7.09	168.11	---	---	---
MW-9	01/16/2014	240 i	<1.3	<1.3	<1.3	<2.5	---	250	170	---	---	---	---	---	---	175.20	7.70	167.50	---	---	---
MW-9	07/10/2014	340 i	<1.0	<1.0	<1.0	<2.0	---	350	94	<1.0	<1.0	<1.0	---	---	<300	175.20	7.12	168.08	---	---	---
MW-9	**01/27/2015**	**140 i**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**---**	**86**	**97**	**---**	**---**	**---**	**---**	**---**	**---**	**175.20**	**6.61**	**168.59**	**---**	**---**	**---**
TB-1	04/29/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.00	---	---	3.8	-132
TB-1	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	12.65	---	---	0.2	-165
TB-1	01/17/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.72	---	---	0.8	-178
TB-1	04/17/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.65	---	---	0.5	-152
TB-1	07/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.13	---	---	1.0	-124
TB-1	10/12/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.20	---	---	0.7	-73
TB-1	01/15/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.09	---	---	1.2	-118
TB-1	04/09/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.96	---	---	1.0	-72
TB-1	07/24/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.03	---	---	1.4	31
TB-1	10/31/2001	1,000	85	<10	<10	42	---	4,100	---	---	---	---	---	---	---	---	5.89	---	---	1.8	88
TB-1	01/10/2002	5,000	410	390	65	620	---	9,000	---	---	---	---	---	---	---	---	7.47	---	---	2.0	95
TB-1	04/25/2002	5,000	780	60	49	91	---	6,000	---	---	---	---	---	---	---	---	11.71	---	---	1.7	-136
TB-1	07/18/2002	Insufficient water		---	---	---	---	---	---	---	---	---	---	---	---	---	13.50	---	---	---	---
TB-1	10/07/2002	4,600	480	36	98	200	---	4,000	---	---	---	---	---	---	---	---	12.95	---	---	1.6	-48
TB-1	01/06/2003	130	30	<0.50	<0.50	0.78	---	330	---	---	---	---	---	---	---	---	5.56	---	---	0.4	-20
TB-2	04/29/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.76	---	---	4.2	-108
TB-2	11/01/1999	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11.33	---	---	0.5	-148
TB-2	01/17/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.79	---	---	0.7	-162
TB-2	04/17/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.75	---	---	0.9	-121
TB-2	07/26/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.73	---	---	0.9	-85

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*
TB-2	10/12/2000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.05	---	---	0.6	-47
TB-2	01/15/2001	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.87	---	---	0.7	-91
TB-2	04/09/2001	46,600	1,240	1,310	1,110	12,100	31,300	---	---	---	---	---	---	---	---	---	3.76	---	---	0.8	-24
TB-2	07/24/2001	11,000	630	<25	310	200	---	11,000	---	---	---	---	---	---	---	---	4.75	---	---	0.4	-51
TB-2	10/31/2001	7,500	530	1,500	100	500	---	2,500	---	---	---	---	---	---	---	---	4.24	---	---	0.6	-7
TB-2	01/10/2002	<5,000	480	47	34	110	---	12,000	---	---	---	---	---	---	---	---	6.26	---	---	1.3	-81
TB-2	04/25/2002	4,700	470	140	<20	80	---	7,400	---	---	---	---	---	---	---	---	11.78	---	---	0.9	-107
TB-2	07/18/2002	7,500	630	650	<25	390	---	44,000	---	---	---	---	---	---	---	---	12.34	---	---	0.9	-67
TB-2	10/07/2002	<10,000	580	<100	<100	180	---	30,000	---	---	---	---	---	---	---	---	11.62	---	---	1.0	-41
TB-2	01/06/2003	120	4.8	<0.50	<0.50	2.0	---	220	---	---	---	---	---	---	---	---	4.35	---	---	0.5	-515

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8015 unless otherwise noted.
BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to July 24, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary-butyl ether analyzed by method as noted
TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B
1,2-DCA = 1,2-Dichloroethane analyzed by EPA Method 8260B
Ethanol analyzed by EPA Method 8260B.
TOC = Top of casing elevation, in feet relative to mean sea level
SPH = Separate-phase hydrocarbon
GW = Groundwater
DO = Dissolved oxygen
ORP = Oxidation reduction potential
µg/L = Micrograms per liter
ft = Feet
MSL = Mean sea level
mg/L = Milligrams per liter
mV = Millivolts
<x = Not detected at reporting limit x
--- = Not analyzed or not available
(D) = Duplicate sample

a = Groundwater surface had a sheen when sampled.
b = MTBE value is estimated by laboratory

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
4255 MACARTHUR BOULEVARD, OAKLAND, CALIFORNIA

Well ID	*Date*	*TPHg (µg/L)*	*B (µg/L)*	*T (µg/L)*	*E (µg/L)*	*X (µg/L)*	*MTBE 8020 (µg/L)*	*MTBE 8260 (µg/L)*	*TBA (µg/L)*	*DIPE (µg/L)*	*ETBE (µg/L)*	*TAME (µg/L)*	*EDB (µg/L)*	*1,2-DCA (µg/L)*	*Ethanol (µg/L)*	*TOC (ft MSL)*	*Depth to Water (ft TOC)*	*GW Elevation (ft MSL)*	*SPH Thickness (ft)*	*DO Reading (mg/L)*	*ORP Reading (mV)*

c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
d = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.
e = pH>2
f = Sample analyzed outside the EPA recommended holding time.
g = Analyzed by EPA Method 8015B (M).
h = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
i = TPHg concentration is due to the presence of a discrete peak of MTBE.

When SPHs are present, groundwater elevation is adjusted using the relation: Corrected groundwater elevation = TOC - Depth to Water + (0.8 x Hydrocarbon Thickness).
Site wells surveyed March 14, 2002 by Virgil Chavez Land Surveying
Wells MW-6, MW-7, MW-8 and MW-9 surveyed July 12, 2006 by Virgil Chavez Land Surveying