Nicole 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

February 3, 2015

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

RECEIVED
By Alameda County Environmental Health at 10:12 am, Feb 04, 2015

RE: Second Semi-Annual 2014 Groundwater Monitoring Report
3943 Broadway, Oakland, California 94611
Fuel Leak Case No.: RO0000203

Dear Mr. Nowell,

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please contact me at (925) 790-6912.

Sincerely,

Nicole Arceneaux
Union Oil of California – Project Manager

Attachment:
Second Semi-Annual 2014 Groundwater Monitoring Report

ARCADIS
Infrastructure · Water · Environment · Buildings

ARCADIS U.S., Inc.
2000 Powell Street
7th Floor
Emeryville
California 94608
Tel 510.652.4500
Fax 510.652.4906
www.arcadis-us.com

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

Subject:
Second Semi-Annual 2014 Monitoring Report Submittal

ENVIRONMENT

Dear Mr. Nowell:

Date:
February 3, 2015

Contact:
Katherine Brandt

Phone:
510.596.9675

Email:
katherine.brandt@arcadis-us.com

Our ref:
B0047338.2013

On behalf of Chevron Environmental Management Company, for itself and as Attorney-in-Fact for Union Oil Company of California (hereinafter "EMC"), ARCADIS is submitting the enclosed Semi-Annual Groundwater Monitoring Report for the following facility:

Facility No.	**Case No.**	**Location**
0746	RO0000203	3943 Broadway Oakland, California 94611

If you have any questions, please contact Katherine Brandt at 510.596.9675.
Sincerely,

ARCADIS

Katherine Brandt

Katherine Brandt
Certified Project Manager, P.G.

Copies:
Mr. Nicole Arceneaux, EMC
Ms. Cherie McCaulou, CRWQCB – San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612 (Geotracker)

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
SECOND SEMI-ANNUAL 2014
February 3, 2015

Facility No.: 0746 Address: 3943 Broadway, Oakland, California 94611

Consulting Company/Contact Person/Phone No.: ARCADIS / Katherine Brandt / 510.596.9675

Primary Agency/Contact Person/Regulatory ID No.: Alameda County Department of Environmental Health / Mr. Keith Nowell / Case No. RO0000203

WORK PERFORMED DURING THIS REPORTING PERIOD (Second Semi-Annual – 2014) :

1. Gettler-Ryan (G-R) conducted groundwater monitoring and sampling on December 17, 2014. Field data sheets and general procedures are included as **Attachment A**. Eleven (11) groundwater monitoring wells were gauged this monitoring event (MW-1 through MW-7, MW-10, MW-11, MW-12, and RW-1). Ten (10) of those wells were sampled during this monitoring event (MW-1 through MW-4, MW-6, MW-7, MW-10, MW-11, MW-12, and RW-1). Well MW-5 was not sampled due to the presence of liquid-phase hydrocarbons (LPH) in the well.

   All groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g; C_6-C_{12}) by United States Environmental Protection Agency (EPA) Method 8015B; and benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively), methyl tertiary butyl ether (MTBE), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC), and ethanol by EPA Method 8260B.

   The site location map, the site plan, and the groundwater contour map are presented on **Figures 1** through **3**. Concentration maps for TPH-g, benzene, and MTBE are on **Figures 4** through **6**. Current Groundwater Gauging and Analytical Results are summarized in **Table 1**, Historic Groundwater Gauging and Analytical Results are summarized in **Table 2**, LPH Recovery Data are summarized in **Table 3**, and Historical Groundwater Results from TRC are included as **Attachment B**. A copy of the laboratory analytical report and chain-of-custody documentation is included as **Attachment C**.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (Second Semi-Annual – 2014):

1. Perform groundwater monitoring and related reporting during the second half 2014.

Current Phase of Project:	Groundwater Monitoring
Site Use:	Active gasoline retail station
Frequency of Sampling:	Groundwater – Semi-Annually
Frequency of Monitoring:	Groundwater – Semi-Annually
LPH Present On-Site:	0.03 feet (MW-5)
Cumulative LPH Recovered to Date:	3.919 gallons
LPH Recovered This Quarter:	0.000 gallons
Bulk Soil Removed to Date:	350 cubic yards during UST removal activities (1989)
Bulk Soil Removed this Quarter:	None
Water Wells or Surface Waters within a 2,000' Radius and Their Respective Directions:	Two irrigation wells located 1,330 feet east and 1,450 feet north of the site; the only surface water body (Glen Echo Creek) was located 1,630 feet southeast of the site
Groundwater Use Designation:	Irrigation
Current Remediation Techniques:	None
Permits for Discharge (No.):	None
Approximate Depth to Groundwater:	5.54 (MW-6) – 14.56 (MW-11) feet below top of casing (ft BTOC) Measured X Estimated
Approximate Groundwater Elevation:	63.62 (MW-11) – 74.72 (MW-1) feet relative to mean sea level

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
SECOND SEMI-ANNUAL 2014
February 3, 2015

Facility No.: 0746 Address: 3943 Broadway, Oakland, California 94611

		(ft MSL)			
		Measured X	Estimated		
Groundwater Gradient:	0.05 ft/ft	(Magnitude)	Southwest		(Direction)

DISCUSSION:

Groundwater conditions during the second half 2014 remained generally consistent with previous quarters. The maximum dissolved concentrations of TPH-g (5,900 micrograms per liter [µg/L]), ethylbenzene (56 µg/L), and MTBE (15 µg/L) were detected in the sample collected from MW-3. The maximum dissolved concentrations of benzene (50 µg/L), toluene (8.2 µg/L) and total xylenes (230 µg/L) were detected in the sample collected from MW-1. The chromatograph for the sample collected from MW-1 is not representative of the site source which suggests the impacts are not site-related. EDB, EDC, and ethanol were not detected above the laboratory reporting limits for all wells sampled.

Groundwater elevations at the site vary by approximately ten feet, creating a hydraulic gradient of 0.05 foot per foot in the southwest direction.

CONCLUSIONS AND RECOMMENDATIONS:

Dissolved hydrocarbon constituent concentrations have remained relatively consistent with previous quarters. ARCADIS will continue groundwater monitoring and monthly product gauging. ARCADIS is preparing a Low Threat Closure Request and recommends discontinuing groundwater monitoring once the LTC request is submitted.

ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Contour Map
Figure 4: TPH-g Concentration Map
Figure 5: Benzene Concentration Map
Figure 6: MTBE Concentration Map

Table 1: Current Groundwater Gauging and Analytical Results
Table 2: Historic Groundwater Gauging and Analytical Results
Table 3: Liquid Phase Hydrocarbon Recovery Data

Attachment A: Field Data Sheets and General Procedures
Attachment B: Historical Groundwater Results from TRC
Attachment C: Laboratory Report and Chain-of-Custody Documentation

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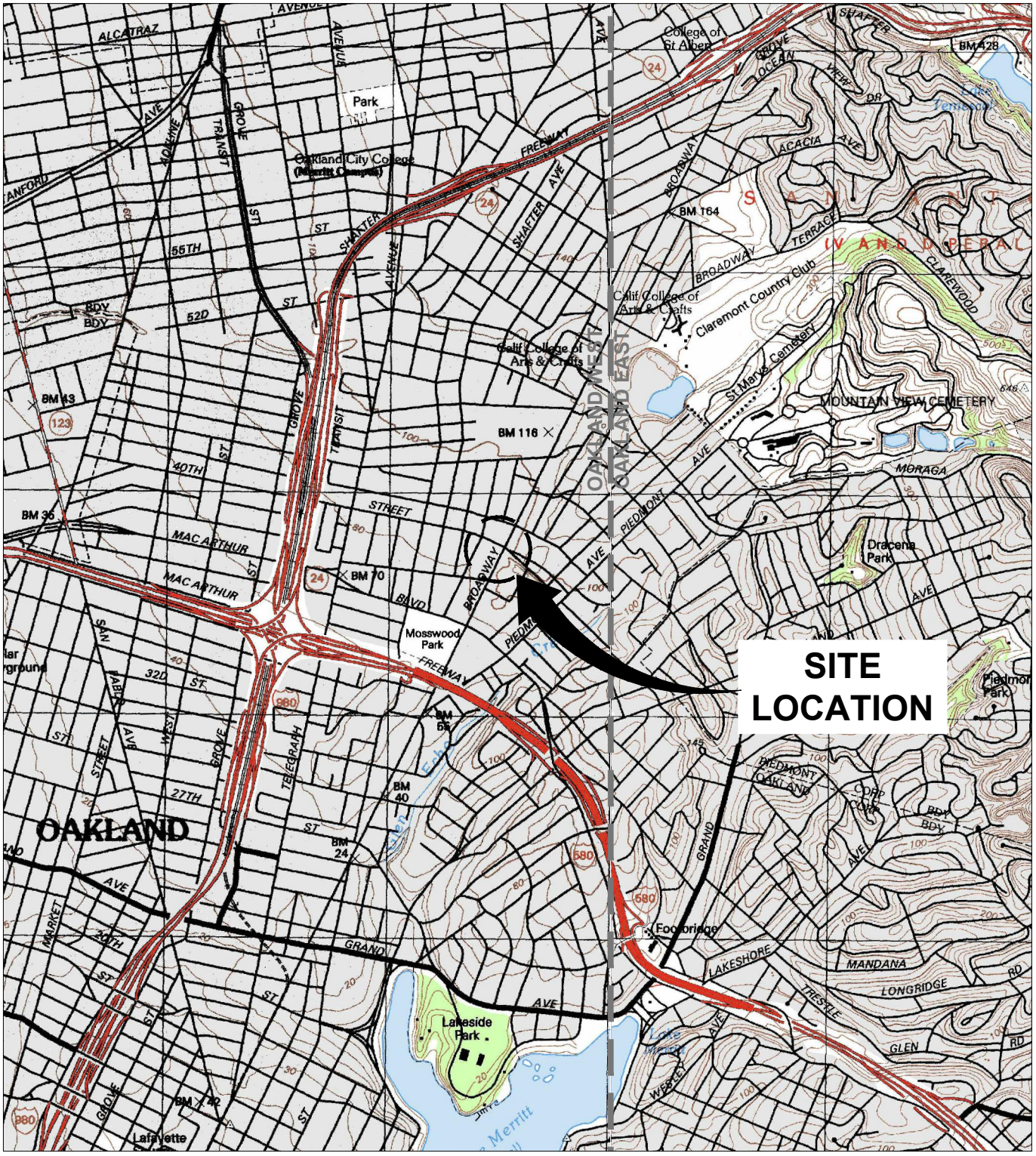
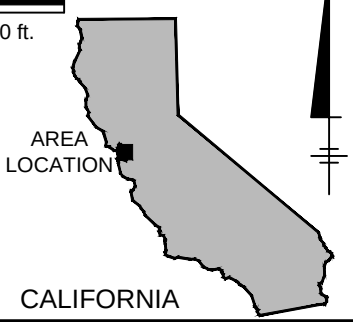
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., OAKLAND WEST, CALIFORNIA, 1993, AND OAKLAND EAST, CALIFORNIA, 1997.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

SITE LOCATION MAP

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FIGURE
1

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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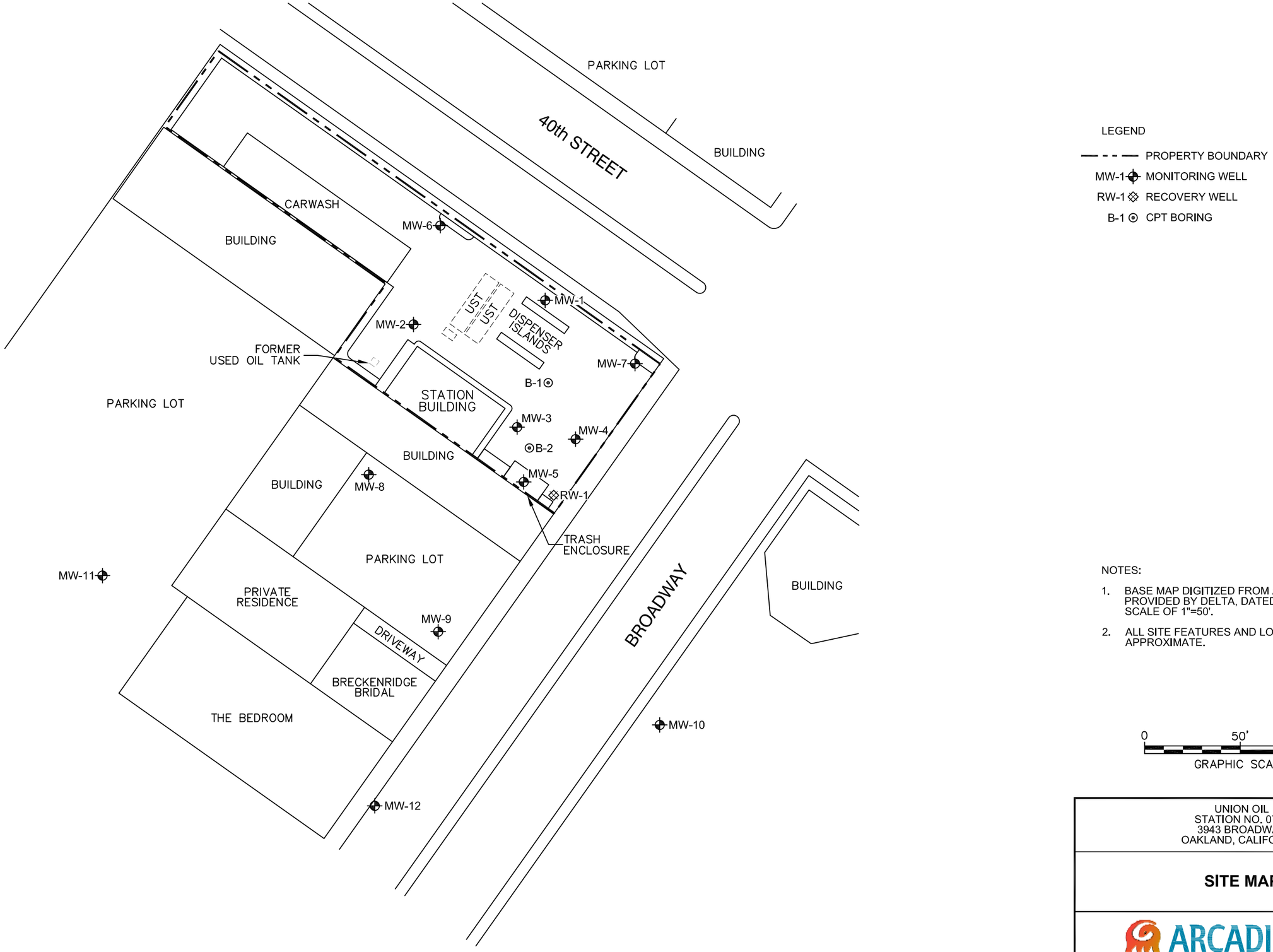
Oakland East.jpg
Oakland West.jpg



LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- RW-1 RECOVERY WELL
- B-1 CPT BORING

NOTES:

1. BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 09/14/09, AT A SCALE OF 1"=50'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

0 50' 100'

GRAPHIC SCALE

UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

SITE MAP

ARCADIS

FIGURE 2

CITY: PETALUMA, CA DIV/GROUP: ENV DB: J. HARRIS
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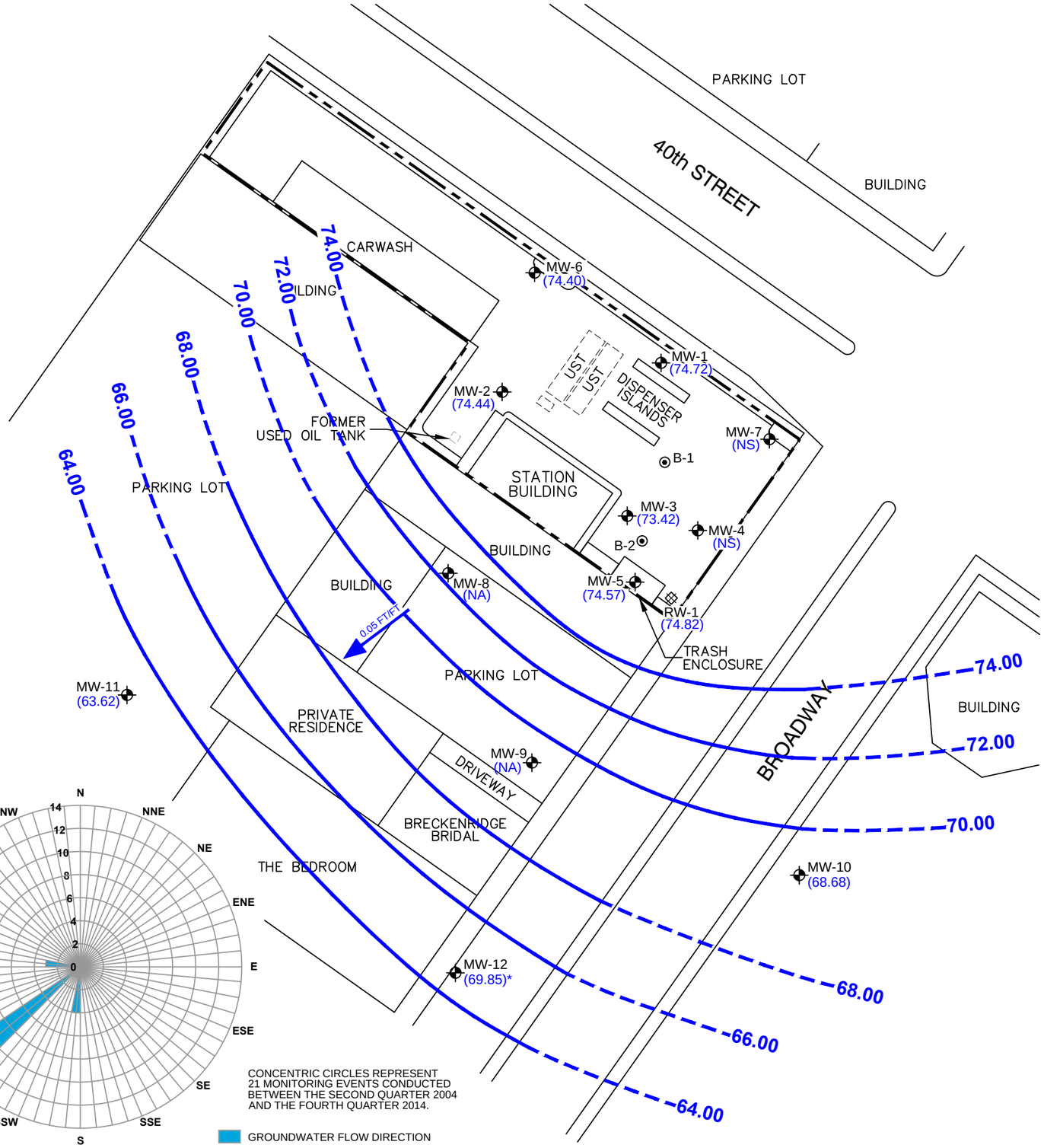

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- RW-1 RECOVERY WELL
- B-1 CPT BORING
- (74.57) GROUNDWATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL (FT MSL)
- 68.00 GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
- 0.05 FT/FT GROUNDWATER FLOW DIRECTION AND GRADIENT (FOOT PER FOOT)
- (NA) NOT ACCESSIBLE
- (NS) NOT SURVEYED
- * NOT USED IN CONTOURING

NOTES:

1. BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 09/14/09, AT A SCALE OF 1"=50'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS WERE GAUGED AND SAMPLED ON DECEMBER 17, 2014.
4. HISTORICAL DATA FOR MW-11 WAS USED FOR CONTOURING.

0 50' 100'
GRAPHIC SCALE

UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP

ARCADIS

FIGURE 3

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- RW-1 RECOVERY WELL
- B-1 CPT BORING
- [TPH-g] TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (C6-C12) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 1,000 TPH-g ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NA] NOT ACCESSIBLE
- [LPH] LIQUID PHASE HYDROCARBON
- * CHROMATOGRAPHS INDICATE DETECTIONS NOT REPRESENTATIVE OF SITE SOURCE

NOTES:

1. BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 09/14/09, AT A SCALE OF 1"=50'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS WERE GAUGED AND SAMPLED ON DECEMBER 17, 2014.

0 50' 100'
GRAPHIC SCALE

UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

TPH-g CONCENTRATION MAP

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FIGURE 4

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\B0047338\2015\GWR0114Q14\DWG\47338C01.dwg LAYOUT: 4 SAVED: 1/28/2015 9:21 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/28/2015 9:26 AM BY: HARRIS, JESSICA
XREFS: 47338X01 IMAGES: PROJECTNAME: ---

LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- RW-1 RECOVERY WELL
- B-1 CPT BORING
- [BENZ] BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 1.0 BENZENE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NA] NOT ACCESSIBLE
- [LPH] LIQUID PHASE HYDROCARBON
- * CHROMATOGRAPHS INDICATE DETECTIONS NOT REPRESENTATIVE OF SITE SOURCE

NOTES:

1. BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 09/14/09, AT A SCALE OF 1"=50'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS WERE GAUGED AND SAMPLED ON DECEMBER 17, 2014.

0 50' 100'
GRAPHIC SCALE

UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

BENZENE CONCENTRATION MAP

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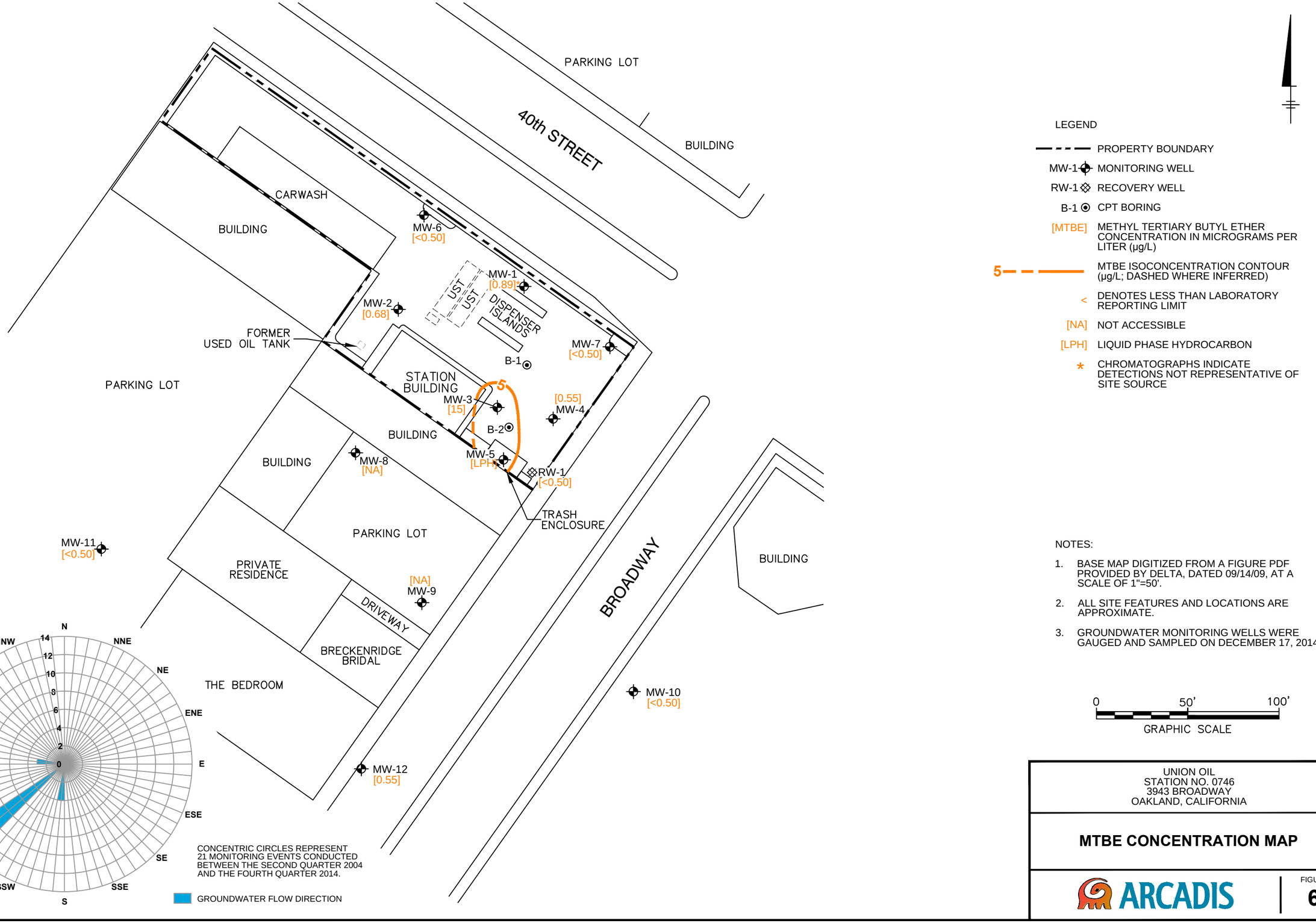
FIGURE 5



LEGEND

- PROPERTY BOUNDARY
- MW-1 MONITORING WELL
- RW-1 RECOVERY WELL
- B-1 CPT BORING
- [MTBE] METHYL TERTIARY BUTYL ETHER CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 5 MTBE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NA] NOT ACCESSIBLE
- [LPH] LIQUID PHASE HYDROCARBON
- * CHROMATOGRAPHS INDICATE DETECTIONS NOT REPRESENTATIVE OF SITE SOURCE

NOTES:

1. BASE MAP DIGITIZED FROM A FIGURE PDF PROVIDED BY DELTA, DATED 09/14/09, AT A SCALE OF 1"=50'.
2. ALL SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
3. GROUNDWATER MONITORING WELLS WERE GAUGED AND SAMPLED ON DECEMBER 17, 2014.

0 50' 100'

GRAPHIC SCALE

UNION OIL
STATION NO. 0746
3943 BROADWAY
OAKLAND, CALIFORNIA

MTBE CONCENTRATION MAP

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FIGURE 6

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS
C:\Users\jharris\Desktop\ENVCAD\B0047338\2015\GWR0114Q14\DWG\47338C03.dwg LAYOUT: 6 SAVED: 1/28/2015 9:28 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: SETUP1 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 1/28/2015 10:30 AM BY: HARRIS, JESSICA
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Tables

Table 1
Current Groundwater Gauging and Analytical Results
76 Station 0746
3943 Broadway Avenue, Oakland California

Well ID	Date Sampled	TOC (feet MSL)	DTW (feet BTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	Previous Quarter GWE (feet MSL)	Change in Elevation (feet)	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-1	12/17/2014	80.54	5.82	0.00	74.72	72.27	2.45	1,200	50	8.2	14	230	0.89	<0.50	<0.50	<250	**
MW-2	12/17/2014	81.32	6.88	0.00	74.44	71.63	2.81	<50	0.8	<0.50	<0.50	<1.0	0.68	<0.50	<0.50	<250	
MW-3	12/17/2014	81.41	7.99	0.00	73.42	71.13	2.29	5,900	35	<0.50	56	4.7	15	<0.50	<0.50	<250	
MW-4	12/17/2014	--	9.32	0.00	--	--	--	1,800	4.5	<0.50	9.1	<1.0	0.55	<0.50	<0.50	<250	
MW-5	12/17/2014	81.38	6.81	0.03	74.57	71.12	3.45	--	--	--	--	--	--	--	--	--	
MW-6	12/17/2014	79.94	5.54	0.00	74.40	72.07	2.33	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	12/17/2014	--	6.95	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	12/17/2014	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	12/17/2014	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	12/17/2014	81.61	12.93	0.00	68.68	67.51	1.17	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	12/17/2014	78.18	14.56	0.00	63.62	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	12/17/2014	79.61	9.76	0.00	69.85	68.50	1.35	<50	<0.50	<0.50	<0.50	<1.0	0.55	<0.50	<0.50	<250	
RW-1	12/17/2014	80.63	5.81	0.00	74.82	71.43	3.39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	

Table 1
Current Groundwater Gauging and Analytical Results
76 Station 0746
3943 Broadway Avenue, Oakland California

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise stated

**Sample chromatograph is not representative of gasoline and does not indicate a gasoline release

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
TOC	top of casing (surveyed reference elevation)
feet MSL	feet relative to mean sea level
DTW	depth to water
BTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
GWE	groundwater elevation

Analytes

TPH-g	total petroleum hydrocarbons with gasoline (C6-C12)
MTBE	methyl tertiary butyl ether
EDB	1,2-dibromoethane (same as ethylene dibromide)
EDC	1,2-dichloroethane (same as ethylene dichloride)
8015B	EPA Method 8015B for TPH-g
8260B	EPA Method 8260B for Volatile Organic Compounds

Table 2
Historic Groundwater Gauging and Analytical Results
76 Station 0746
3943 Broadway Avenue, Oakland California

Well ID	Date Sampled	TOC (feet MSL)	DTW (feet BTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	Previous Quarter GWE (feet MSL)	Change in Elevation (feet)	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-1	12/9/2011	80.54	7.97	0.00	72.57	74.29	-1.72	<50	<0.50	<0.50	<0.50	<1.0	4.2	<0.50	<0.50	<250	
MW-1	6/1/2012	80.54	7.63	0.00	72.91	72.57	0.34	<50	<0.50	<0.50	<0.50	<1.0	0.87	<0.50	<0.50	<250	
MW-1	6/6/2013	80.54	7.88	0.00	72.66	72.91	-0.25	<50	<0.50	<0.50	<0.50	<1.0	0.51	<0.50	<0.50	<250	
MW-1	12/13/2013	80.54	8.34	0.00	72.20	72.66	-0.46	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-1	6/23/2014	80.54	8.27	0.00	72.27	72.20	0.07	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-1	12/17/2014	80.54	5.82	0.00	74.72	72.27	2.45	1,200	50	8.2	14	230	0.89	<0.50	<0.50	<250	**
MW-2	12/9/2011	81.32	8.95	0.00	72.37	73.57	-1.20	<50	<0.50	<0.50	<0.50	<1.0	7.9	<0.50	<0.50	<250	
MW-2	6/1/2012	81.32	9.18	0.00	72.14	72.37	-0.23	<50	<0.50	<0.50	<0.50	<1.0	2.9	<0.50	<0.50	<250	
MW-2	6/6/2013	81.32	9.40	0.00	71.92	72.14	-0.22	<50	<0.50	<0.50	<0.50	<1.0	0.95	<0.50	<0.50	<250	
MW-2	12/13/2013	81.32	9.68	0.00	71.64	71.92	-0.28	<50	<0.50	<0.50	<0.50	3.1	1.1	<0.50	<0.50	<250	
MW-2	6/23/2014	81.32	9.69	0.00	71.63	71.64	-0.01	<50	<0.50	<0.50	<0.50	<1.0	0.82	<0.50	<0.50	<250	
MW-2	12/17/2014	81.32	6.88	0.00	74.44	71.63	2.81	<50	0.8	<0.50	<0.50	<1.0	0.68	<0.50	<0.50	<250	
MW-3	12/9/2011	81.41	10.08	0.00	71.33	75.31	-3.98	9,900	11	<2.5	98	47	9.3	<2.5	<2.5	<1,200	A01
MW-3	6/1/2012	81.41	9.92	0.00	71.49	71.33	0.16	4,300	4.6	<0.50	17	3.4	19	<0.50	<0.50	<250	A01
MW-3	11/23/2012	81.41	9.78	0.00	71.63	71.49	0.14	2,000	1.3	<0.50	12	<1.0	11	<0.50	<0.50	<250	A01
MW-3	12/13/2013	81.41	10.39	0.00	71.02	71.63	-0.61	1,100	<0.50	<0.50	23	4.2	6	<0.50	<0.50	<250	
MW-3	6/23/2014	81.41	10.28	0.00	71.13	71.02	0.11	4,200	87	<0.50	76	13	7.6	<0.50	<0.50	<250	
MW-3	12/17/2014	81.41	7.99	0.00	73.42	71.13	2.29	5,900	35	<0.50	56	4.7	15	<0.50	<0.50	<250	
MW-4	12/9/2011	--	9.04	0.00	--	--	--	1,900	<0.50	<0.50	1.4	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	6/1/2012	--	9.92	0.00	--	--	--	680	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<1,200	A01
MW-4	6/6/2013	--	9.17	0.00	--	--	--	410	0.52	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	12/13/2013	--	10.05	0.00	--	--	--	3,200	2.1	<0.50	3.2	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	6/23/2014	--	10.28	0.00	--	--	--	2,600	2.5	<0.50	9.1	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	12/17/2014	--	9.32	0.00	--	--	--	1,800	4.5	<0.50	9.1	<1.0	0.55	<0.50	<0.50	<250	
MW-5	9/13/2011	81.38	6.70	0.00	74.68	75.95	-1.27	--	--	--	--	--	--	--	--	--	
MW-5	10/21/2011	81.38	6.72	0.00	74.66	75.95	-1.29	--	--	--	--	--	--	--	--	--	
MW-5	11/4/2011	81.38	6.64	0.00	74.74	75.95	-1.21	--	--	--	--	--	--	--	--	--	
MW-5	12/9/2011	81.38	10.02	0.21	71.36	74.66	-3.30	--	--	--	--	--	--	--	--	--	
MW-5	1/12/2012	81.38	10.12	0.02	71.26	71.36	-0.10	--	--	--	--	--	--	--	--	--	
MW-5	6/1/2012	81.38	8.22	0.02	73.16	71.26	1.90	--	--	--	--	--	--	--	--	--	
MW-5	6/6/2013	81.38	9.75	0.00	71.63	73.16	-1.53	30,000	410	7	970	1,300	2.50	<0.50	<0.50	<250	
MW-5	12/13/2013	81.38	10.30	0.21	71.08	71.63	-0.55	--	--	--	--	--	--	--	--	--	
MW-5	6/23/2014	81.38	10.26	0.21	71.12	71.08	0.04	--	--	--	--	--	--	--	--	--	
MW-5	12/17/2014	81.38	6.81	0.03	74.57	71.12	3.45	--	--	--	--	--	--	--	--	--	
MW-6	12/9/2011	79.94	6.75	0.00	73.19	73.70	-0.51	<50	<0.50	<0.50	<0.50	<1.0	2.0	<0.50	<0.50	<250	
MW-6	6/1/2012	79.94	7.32	0.00	72.62	73.19	-0.57	<50	<0.50	<0.50	<0.50	<1.0	0.64	<0.50	<0.50	<250	

Table 2
Historic Groundwater Gauging and Analytical Results
76 Station 0746
3943 Broadway Avenue, Oakland California

Well ID	Date Sampled	TOC (feet MSL)	DTW (feet BTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	Previous Quarter GWE (feet MSL)	Change in Elevation (feet)	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-6	6/6/2013	79.94	7.50	0.00	72.44	72.62	-0.18	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	12/13/2013	79.94	8.02	0.00	71.92	72.44	-0.52	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	6/23/2014	79.94	7.87	0.00	72.07	71.92	0.15	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	12/17/2014	79.94	5.54	0.00	74.40	72.07	2.33	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	12/9/2011	--	8.54	0.00	--	--	--	120	<0.50	<0.50	<0.50	<1.0	4.5	<0.50	<0.50	<250	
MW-7	6/1/2012	--	8.22	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	0.71	<0.50	<0.50	<250	
MW-7	6/6/2013	--	8.56	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	12/13/2013	--	9.09	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	6/23/2014	--	9.01	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	12/17/2014	--	6.95	0.00	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	12/9/2011	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	6/1/2012	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	6/6/2013	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	12/13/2013	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	6/23/2014	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-8	12/17/2014	81.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	12/9/2011	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	6/1/2012	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	6/6/2013	80.53															
MW-9	12/13/2013	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	6/23/2014	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-9	12/17/2014	80.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-10	12/9/2011	81.61	14.41	0.00	67.20	69.25	-2.05	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-10	6/1/2012	81.61	12.65	0.00	68.96	67.20	1.76	<50	<0.50	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<250	
MW-10	6/6/2013	81.61	13.28	0.00	68.33	68.96	-0.63	<50	<0.50	<0.50	<0.50	<1.0	0.92	<0.50	<0.50	<250	
MW-10	12/13/2013	81.61	14.48	0.00	67.13	68.33	-1.20	<50	<0.50	<0.50	<0.50	<1.0	0.92	<0.50	<0.50	<250	
MW-10	6/23/2014	81.61	14.10	0.00	67.51	67.13	0.38	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-10	12/17/2014	81.61	12.93	0.00	68.68	67.51	1.17	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	12/9/2011	78.18	13.27	0.00	64.91	62.39	2.52	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	6/1/2012	78.18	14.50	0.00	63.68	64.91	-1.23	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	6/6/2013	78.18	15.32	0.00	62.86	63.68	-0.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	12/13/2013	78.18	15.04	0.00	63.14	62.86	0.28	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-11	6/23/2014	78.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to access
MW-11	12/17/2014	78.18	14.56	0.00	63.62	--	--	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	12/9/2011	79.61	9.42	0.00	70.19	72.28	-2.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	6/1/2012	79.61	10.13	0.00	69.48	70.19	-0.71	<50	<0.50	<0.50	<0.50	<1.0	1.2	<0.50	<0.50	<250	

Table 2
Historic Groundwater Gauging and Analytical Results
76 Station 0746
3943 Broadway Avenue, Oakland California

Well ID	Date Sampled	TOC (feet MSL)	DTW (feet BTOC)	LPH Thickness (feet)	GW Elevation (feet MSL)	Previous Quarter GWE (feet MSL)	Change in Elevation (feet)	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-12	6/6/2013	79.61	9.52	0.00	70.09	69.48	0.61	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	12/13/2013	79.61	10.96	0.00	68.65	70.09	-1.44	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	6/23/2014	79.61	11.11	0.00	68.50	68.65	-0.15	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-12	12/17/2014	79.61	9.76	0.00	69.85	68.50	1.35	<50	<0.50	<0.50	<0.50	<1.0	0.55	<0.50	<0.50	<250	
RW-1	10/21/2011	80.63	5.45	0.00	75.18	77.02	-1.84	--	--	--	--	--	--	--	--	--	
RW-1	12/9/2011	80.63	9.28	0.00	71.35	75.18	-3.83	2,900	240	1.2	180	30	<0.50	<0.50	<0.50	<250	A01
RW-1	1/12/2012	80.63	9.53	0.00	71.10	71.35	-0.25	--	--	--	--	--	--	--	--	--	
RW-1	6/1/2012	80.63	8.48	0.00	72.15	71.10	1.05	3,600	140	<2.5	56	<5.0	<2.5	<2.5	<2.5	<1,200	A01
RW-1	6/6/2013	80.63	8.73	0.00	71.90	72.15	-0.25	1,300	1.2	1.4	5.8	<1.0	<0.50	<0.50	<0.50	<250	
RW-1	12/13/2013	80.63	9.20	0.00	71.43	71.90	-0.47	150	0.81	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
RW-1	6/23/2014	80.63	9.20	0.00	71.43	71.43	0.00	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
RW-1	12/17/2014	80.63	5.81	0.00	74.82	71.43	3.39	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	

Note

Analytical results given in micrograms per liter (µg/l) unless otherwise stated

**Sample chromatograph is not representative of gasoline and does not indicate a gasoline release

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
TOC	top of casing (surveyed reference elevation)
feet MSL	feet relative to mean sea level
DTW	depth to water
BTOC	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
GWE	groundwater elevation

Analytes

TPH-g	total petroleum hydrocarbons with gasoline (C6-C12)
MTBE	methyl tertiary butyl ether
EDB	1,2-dibromoethane (same as ethylene dibromide)
EDC	1,2-dichloroethane (same as ethylene dichloride)
8015B	EPA Method 8015B for TPH-g
8260B	EPA Method 8260B for Volatile Organic Compounds

Laboratory Qualifiers

A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection limit

Table 3
Liquid Phase Hydrocarbon Recovery Data
76 Station 0746
3943 Broadway Avenue, Oakland California

Date	MW-5	RW-1
11/11/1998	0.00	0.00
2/22/1999	0.040	0.00
4/2/1999	0.070	0.00
5/4/1999	0.00	0.00
5/20/1999	0.00	0.00
6/29/1999	0.00	0.00
0729/99	0.00	0.00
8/24/1999	0.00	0.00
9/27/1999	0.00	0.00
10/28/1999	0.00	0.00
11/15/1999	0.00	0.00
12/20/1999	0.00	0.00
1/20/2000	0.00	0.00
2/26/2000	0.00	0.00
3/31/2000	0.00	0.00
4/13/2000	0.000	0.00
5/22/2000	0.00	0.00
11/22/2000	0.020	0.00
2/14/2001	0.060	0.00
3/28/2001	0.00	0.00
4/28/2001	0.00	0.00
5/15/2001	0.00	0.00
6/29/2001	0.00	0.00
7/17/2001	0.00	0.00
8/30/2001	0.000	0.00
9/24/2001	0.00	0.00
10/15/2001	0.030	0.00
11/23/2001	0.00	0.00
12/10/2001	0.000	0.00
1/14/2002	0.00	0.00
2/22/2002	0.00	0.00
3/11/2002	0.000	0.00
4/15/2002	0.00	0.00
5/24/2002	0.040	0.00
6/17/2002	0.040	0.00
7/15/2002	0.020	0.00
8/19/2002	0.050	0.00
9/5/2002	0.030	0.00
10/7/2002	0.020	0.00
11/29/2002	0.020	0.00
12/12/2002	0.010	0.00
1/6/2003	0.010	0.00
2/12/2003	0.020	0.00
3/13/2003	0.020	0.00
4/7/2003	0.010	0.00
5/15/2003	0.030	0.00
6/12/2003	0.020	0.00
7/7/2003	0.010	0.00
8/14/2003	0.020	0.00
9/12/2003	0.020	0.00
10/15/2003	0.087	0.000
11/4/2003	0.043	0.000
11/21/2003	0.032	0.000
12/18/2003	0.024	0.000
1/7/2004	0.009	0.000

Table 3
Liquid Phase Hydrocarbon Recovery Data
76 Station 0746
3943 Broadway Avenue, Oakland California

Date	MW-5	RW-1
2/9/2004	0.010	0.010
3/24/2004	0.031	0.000
4/16/2004	0.000	0.000
5/24/2004	0.050	0.000
6/8/2004	0.049	0.000
7/2/2004	0.046	0.000
8/20/2004	0.080	0.000
9/17/2004	0.048	0.000
10/22/2004	0.024	0.000
11/29/2004	0.036	0.000
12/21/2004	0.010	0.000
1/24/2005	0.027	0.000
2/18/2005	0.020	0.000
3/18/2005	0.024	0.000
4/14/2005	0.010	0.000
5/17/2005	0.010	0.000
6/24/2005	0.000	0.000
7/14/2005	0.020	0.000
8/5/2005	0.050	0.000
9/16/2005	0.009	0.000
10/21/2005	0.000	0.000
11/22/2005	0.000	0.000
12/15/2005	0.000	0.000
1/19/2006	0.000	0.000
2/15/2006	0.000	0.000
3/25/2006	0.000	0.000
4/27/2006	0.000	0.000
5/25/2006	0.000	0.000
6/14/2006	0.000	0.000
7/3/2006	0.000	0.000
8/10/2006	0.000	0.000
9/15/2006	0.027	0.000
10/27/2006	0.009	0.000
11/22/2006	0.017	0.000
12/21/2006	0.000	0.000
2/5/2007	0.010	0.000
2/20/2007	0.000	0.000
3/28/2007	0.000	0.000
4/30/2007	0.000	0.000
5/23/2007	0.073	0.000
6/28/2007	0.049	0.000
8/1/2007	0.000	0.000
8/27/2007	0.000	0.000
9/12/2007	0.040	0.000
10/16/2007	0.000	0.000
12/13/2007	0.029	0.000
1/29/2008	0.010	0.000
2/28/2008	0.020	0.000
3/21/2008	0.000	0.000
4/11/2008	0.058	0.000
5/21/2008	0.044	0.000
6/9/2008	0.029	0.000
7/18/2008	0.032	0.000
8/15/2008	0.024	0.000
9/24/2008	0.051	0.000
10/22/2008	0.044	0.000

Table 3
Liquid Phase Hydrocarbon Recovery Data
76 Station 0746
3943 Broadway Avenue, Oakland California

Date	MW-5	RW-1
11/26/2008	0.034	0.000
12/30/2008	0.022	0.000
1/23/2009	NA	0.000
3/27/2009	0.000	0.000
4/28/2009	0.102	0.000
5/28/2009	NA	NA
7/31/2009	0.034	0.000
8/21/2009	0.102	0.000
9/28/2009	0.017	0.000
10/26/2009	0.063	0.000
11/30/2009	0.075	0.000
12/15/2009	0.010	0.000
1/25/2010	0.003	0.000
2/26/2010	0.000	0.000
3/23/2010	0.010	0.000
4/22/2010	0.009	0.000
5/21/2010	0.117	0.000
6/28/2010	0.085	0.000
7/21/2010	0.040	0.000
8/18/2010	0.070	0.000
9/29/2010	0.030	0.000
10/18/2010	0.046	0.000
11/30/2010	0.058	0.000
12/29/2010	0.250	0.000
1/6/2011	0.138	0.000
1/20/2011	0.231	0.000
2/1/2011	0.230	0.000
2/14/2011	0.000	0.000
3/3/2011	0.000	0.000
3/22/2011	0.000	0.000
4/25/2011	0.000	0.000
5/27/2011	0.000	0.000
9/13/2011	0.000	0.000
10/20/2011	0.000	0.000
11/4/2011	0.000	0.000
12/23/2011	0.210	0.000
Total LPH Removed (gallons):	**3.909**	**0.010**

LPH removed for 2" casing well = (feet of product)(0.17 gallon/foot)
4" casing well = (feet of product)(0.67 gallon/foot)
6" casing well = (feet of product)(1.5 gallon/foot)

ARCADIS

Attachment A

Field Data Sheets and General Procedures

GETTLER-RYAN INC.

TRANSMITTAL

December 24, 2014
G-R #385648

TO: Ms. Katherine Brandt
Arcadis
2000 Powell Street, 7th Floor
Emeryville, CA 94608

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

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

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi-Annual Event of December 17, 2014**

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/351647 0746

WELL CONDITION STATUS SHEET

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

Job #: 385648
Event Date: 12/17/14
Sampler: G. McDonald

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	OK	OK	OK	OK	OK	OK	N	N	DIVERSIFIED/8/2	
MW-2										EMCO/12/2	
MW-3										DIVERSIFIED/8/2	
MW-4								Y	Y	EMCO/12/2	
MW-5								N	N		
MW-6											
MW-7											
MW-10				B(2)						UNIVERSAL/8/2	
MW-11				OK							
MW-12										BRAINARD KILLMAN/8/2	
RW-1										EMCO/24"	

Comments

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

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

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

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Seaport Environmental located in Redwood City, California.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-1 Date Monitored: 12/17/14

Well Diameter (2) 6 in.

Total Depth 54.03 ft.

Depth to Water 5.32 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.

48.21 xVF 0.17 = 8.19 x3 case volume = Estimated Purge Volume: 25 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.46

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

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

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

Start Time (purge): 0515 Weather Conditions: COLD

Sample Time/Date: 0555 / 12/17/14 Water Color: CLEAR Odor: (Y) N SLIGHT.

Approx. Flow Rate: 2 → 1 gpm. Sediment Description: SL SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 15.27

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0520	9	6.97	559	19.9		
0526	17	6.93	561	19.6		
0534	25	6.89	567	19.1		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-2

Well Diameter (2) 6 in.

Total Depth 19.82 ft.

Depth to Water 6.88 ft.

Date Monitored: 12/17/14

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.

12.94 xVF 0.17 = 2.19 x3 case volume = Estimated Purge Volume: 7 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.46

Purge Equipment:

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

Sampling Equipment:

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

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

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

Start Time (purge): 0425 Weather Conditions: COLD

Sample Time/Date: 0500 / 12/17/14 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: 9.38

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) / F)	D.O. (mg/L)	ORP (mV)
0430	2.5	6.99	550	19.4		
0435	5	6.95	552	19.1		
0439	7	6.90	558	18.9		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-3

Well Diameter (2)/6 in.

Total Depth 51.60 ft.

Depth to Water 7.99 ft.

Date Monitored: 12/17/14

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

☐ Check if water column is less then 0.50 ft.

43.61 xVF 0.17 = 7.41 x3 case volume = Estimated Purge Volume: 23 gal.

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

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

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

Start Time (purge): 0700 Weather Conditions: COLD

Sample Time/Date: 0743 / 12/17/14 Water Color: TAN Odor: (Y) N STRONG

Approx. Flow Rate: 2→1 gpm. Sediment Description: SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 16.59

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/mS µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0704	8	6.81	858	19.2		
0710	16	6.77	865	19.0		
0717	23	6.74	870	18.6		

LABORATORY INFORMATION

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

COMMENTS: SHEEN ON WATER

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 385648
Site Address: 3943 Broadway Event Date: 12/17/14 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-4
Well Diameter 3/16 in.
Total Depth 49.40 ft.
Depth to Water 9.32 ft.
Date Monitored: 12/17/14

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

☐ Check if water column is less then 0.50 ft.

40.08 xVF 0.17 = 6.81 x3 case volume = Estimated Purge Volume: 21 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.33

Purge Equipment:

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

Sampling Equipment:

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

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: 0 ft
Visual Confirmation/Description:

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

Start Time (purge): 0800 Weather Conditions: CLOUDY
Sample Time/Date: 0840 / 12/17/14 Water Color: CLEAR Odor: (Y) N MODERATE
Approx. Flow Rate: 2 gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0804	7	6.88	868	19.3		
0811	14	6.81	871	19.0		
0818	21	6.77	876	18.7		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-5 Date Monitored: 12/17/14

Well Diameter (2)6 in.

Total Depth 50.16 ft.

Depth to Water 6.61 ft.

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

☐ Check if water column is less then 0.50 ft.

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

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

Purge Equipment:

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

Sampling Equipment:

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

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: 6.58 ft
Depth to Water: 6.61 ft
Hydrocarbon Thickness: 0.03 ft
Visual Confirmation/Description: OIL
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ ltr
Amt Removed from Well: ___ ltr
Water Removed: ___ ltr

Start Time (purge): ___ Weather Conditions: ___

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

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

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

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

LABORATORY INFORMATION

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

COMMENTS: SPH - SKIMMER IN WELL

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-6 Date Monitored: 12/17/14

Well Diameter (2)/ 6 in.

Total Depth 51.22 ft.

Depth to Water 5.54 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.

45.68 xVF 0.17 = 7.76 x3 case volume = Estimated Purge Volume: 24 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.67

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0330 Weather Conditions: COLD

Sample Time/Date: 0415 / 12/17/14 Water Color: TAN Odor: (ØN) SLIGHT

Approx. Flow Rate: 2-1 gpm. Sediment Description: SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 14.22

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS/ mS µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0334	8	6.86	606	20.4		
0340	16	6.84	614	20.1		
0348	24	6.79	617	19.6		

LABORATORY INFORMATION

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

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-7

Well Diameter (2) 6 in.

Total Depth 49.26 ft.

Depth to Water 6.95 ft.

Date Monitored: 12/17/14

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

☐ Check if water column is less then 0.50 ft.

42.31 xVF 0.17 = 7.19 x3 case volume = Estimated Purge Volume: 22 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.41

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0610 Weather Conditions: COLD

Sample Time/Date: 0645 / 12/17/14 Water Color: CLEAR Odor: (Y) N MODERATE

Approx. Flow Rate: 2 → 1 gpm. Sediment Description: NONE

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 15.27

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature ((C) F)	D.O. (mg/L)	ORP (mV)
0614	8	6.88	864	19.2		
0619	15	6.80	870	19.1		
0626	22	6.77	876	19.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-10 Date Monitored: 12/17/14

Well Diameter (2) 6 in.

Total Depth 21.74 ft.

Depth to Water 12.93 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.

8.81 xVF 0.17 = 1.49 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.69

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 1215 Weather Conditions: CLOUDY

Sample Time/Date: 1249 / 12/17/14 Water Color: CLOUDY Odor: Y (N)

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

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 14.54

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
1218	1.5	6.65	531	18.2		
1221	3	6.62	536	18.1		
1224	4.5	6.57	539	18.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS: _____

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID MW-11 Date Monitored: 12/17/14

Well Diameter (2) 6 in.

Total Depth 19.11 ft.

Depth to Water 14.56 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

4.55 xVF 0.17 = 0.77 x3 case volume = Estimated Purge Volume: 2.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.47

Purge Equipment:

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

Sampling Equipment:

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

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

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

Start Time (purge): 1120 Weather Conditions: C

Sample Time/Date: 1153 / 12/17/14 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: 15.41

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
1123	1	6.56	845	18.3		
1126	2	6.54	849	18.1		
1130	2.5	6.51	853	18.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351647 / 0746 Job Number: 385648
Site Address: 3943 Broadway Event Date: 12/17/14 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-12 Date Monitored: 12/17/14
Well Diameter (2) 6 in.
Total Depth 17.65 ft.
Depth to Water 9.76 ft.

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

☐ Check if water column is less then 0.50 ft.

7.89 xVF 0.17 = 1.34 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.33

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

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

Start Time (purge): 1015 Weather Conditions: CLOUDY
Sample Time/Date: 1100 / 12/17/14 Water Color: CLOUDY Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS / mS µmhos/cm)	Temperature (C F)	D.O. (mg/L)	ORP (mV)
1018	1.5	6.92	697	19.3		
1021	3	6.90	700	19.1		
1024	4.5	6.88	702	19.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-12	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015)/BTEX+MTBE(8260)/ EDB/EDC(8260)/ETHANOL(8260B)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351647 / 0746** Job Number: **385648**

Site Address: **3943 Broadway** Event Date: 12/17/14 (inclusive)

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

Well ID RW-1 Date Monitored: 12/17/14

Well Diameter 2 (6) in.

Total Depth 16.34 ft.

Depth to Water 5.81 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

10.53 xVF 1.5 = 15.79 x3 case volume = Estimated Purge Volume: 48 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.91

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

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

Start Time (purge): 0850 Weather Conditions: RAIN

Sample Time/Date: 0950 / 12/17/14 Water Color: CLEAR Odor: (Y) N MODERATE

Approx. Flow Rate: 2→ gpm. Sediment Description: NONE

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µS) mS µmhos/cm)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)
0858	16	6.39	340	16.9		
0906	32	6.37	341	16.5		
0920	48	6.32	344	16.3		

LABORATORY INFORMATION

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

COMMENTS: _____

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 1

Union Oil Site ID: 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: KATHRINE BRANDT
Site Address: 3943 BROADWAY OAKLAND CA	Consultant Phone No.:
	Sampling Company: [redacted] BETTLER ENVIRO INC
Union Oil PM: NICOLE ARCENEAUX	Sampled By (PRINT): GILBERT MEDINA
Union Oil PM Phone No.: (925) 790-6912	Sampler Signature:
Charge Code: NWRTB-0 351647 -0- LAB	BC Laboratories, Inc.
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

Special Instructions: RUN 3 OXYS ON 8260 ON ALL 8260 MTBE HITS

SAMPLE ID						ANALYSES REQUIRED											
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS (C6-C12) (8015B)	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB / EDC by 8260						Notes / Comments
QA	W-S-A		141217	—	2		X	X									
MW-1	W-S-A			0555	6				X		X						
MW-2	W-S-A			0500													
MW-3	W-S-A			0743													
MW-4	W-S-A			0840													
MW-6	W-S-A			0415													
MW-7	W-S-A			0645													
MW-10	W-S-A			1249													
MW-11	W-S-A			1153													
MW-12	W-S-A			1100													
RW-1	W-S-A			0950													
	W-S-A																

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	GRINC	12/18/14 1200						
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
[signature]	BCLab	12-18-14						

ARCADIS

Attachment B

Historical Groundwater Results from TRC

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1														
11/1/1989	--	--	--	--	--	ND	--	ND	ND	ND	0.3	--	--	
2/15/1990	--	--	--	--	--	170	--	7.9	ND	2.2	2.8	--	--	
8/16/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/7/1990	--	--	--	--	--	45	--	ND	ND	ND	ND	--	--	
2/25/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	0.75	ND	ND	ND	--	--	
12/21/1992	81.07	8.12	0	72.95	--	--	--	--	--	--	--	--	--	
1/30/1993	81.07	7.63	0	73.44	0.49	--	--	--	--	--	--	--	--	
2/24/1993	81.07	7.16	0	73.91	0.47	1100	--	280	4.9	120	140	--	--	
3/22/1993	81.07	6.26	0	74.81	0.90	--	--	--	--	--	--	--	--	
4/28/1993	81.07	7.91	0	73.16	-1.65	--	--	--	--	--	--	--	--	
5/25/1993	81.07	7.87	0	73.20	0.04	260	--	27	4.9	2.6	54	--	--	
6/23/1993	80.54	7.66	0	72.88	-0.32	--	--	--	--	--	--	--	--	
7/22/1993	80.54	7.87	0	72.67	-0.21	--	--	--	--	--	--	--	--	
8/25/1993	80.54	8.00	0	72.54	-0.13	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	80.54	8.10	0	72.44	-0.10	--	--	--	--	--	--	--	--	
10/28/1993	80.54	8.15	0	72.39	-0.05	--	--	--	--	--	--	--	--	
11/30/1993	80.54	7.65	0	72.89	0.50	--	--	--	--	--	--	--	--	Sampled semi-annually
2/16/1994	80.54	7.46	0	73.08	0.19	ND	--	0.84	ND	ND	0.59	--	--	
5/31/1994	80.54	7.80	0	72.74	-0.34	--	--	--	--	--	--	--	--	
8/31/1994	80.54	8.27	0	72.27	-0.47	ND	--	ND	0.98	ND	0.84	--	--	
9/27/1994	80.54	8.37	0	72.17	-0.10	--	--	--	--	--	--	--	--	
10/11/1994	80.54	8.36	0	72.18	0.01	--	--	--	--	--	--	--	--	
11/10/1994	80.54	6.43	0	74.11	1.93	--	--	--	--	--	--	--	--	
2/7/1995	80.54	7.06	0	73.48	-0.63	6100	--	670	ND	120	60	--	--	
5/3/1995	80.54	6.85	0	73.69	0.21	260	--	21	39	17	24	--	--	
8/3/1995	80.54	7.69	0	72.85	-0.84	--	--	--	--	--	--	--	--	
11/7/1995	80.54	8.15	0	72.39	-0.46	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	80.54	7.40	0	73.14	0.75	170	--	1.0	20	2.3	17	55	--	
11/5/1996	80.54	7.90	0	72.64	-0.50	ND	--	ND	ND	ND	ND	5.2	--	
5/15/1997	80.54	7.77	0	72.77	0.13	ND	--	ND	ND	ND	ND	16	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/12/1997	80.54	7.48	0	73.06	0.29	ND	--	ND	ND	ND	ND	11	--	
5/4/1998	80.54	7.39	0	73.15	0.09	ND	--	ND	ND	ND	ND	320	--	
11/11/1998	80.54	7.37	0	73.17	0.02	ND	--	ND	ND	ND	ND	200	--	
5/20/1999	80.54	7.41	0	73.13	-0.04	ND	--	ND	ND	ND	ND	89	47	
11/15/1999	80.54	7.84	0	72.70	-0.43	ND	--	ND	ND	ND	ND	8.12	7.19	
5/22/2000	80.54	7.53	0	73.01	0.31	ND	--	0.89	ND	ND	ND	220	290	
11/22/2000	80.54	7.35	0	73.19	0.18	ND	--	ND	ND	ND	ND	105	142	
5/15/2001	80.54	7.48	0	73.06	-0.13	345	--	ND	3.41	2.77	25.2	178	374	
11/23/2001	80.54	7.57	0	72.97	-0.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	350	
5/24/2002	80.54	7.10	0	73.44	0.47	70	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	200	240	
11/29/2002	80.54	7.96	0	72.58	-0.86	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	330	
5/15/2003	80.54	7.22	0	73.32	0.74	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	210	
11/4/2003	80.54	7.94	0	72.60	-0.72	--	120	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	140	
5/24/2004	80.54	7.54	0	73.00	0.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	26	
11/29/2004	80.54	7.27	0	73.27	0.27	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
6/24/2005	80.54	7.06	0	73.48	0.21	--	87	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	80	
12/15/2005	80.54	7.35	0	73.19	-0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	32	
6/14/2006	80.54	7.06	0	73.48	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
12/21/2006	80.54	7.12	0	73.42	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	16	
6/28/2007	80.54	7.79	0	72.75	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	5.6	
12/13/2007	80.54	7.94	0	72.60	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
6/9/2008	80.54	8.00	0	72.54	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	29	
12/30/2008	80.54	7.51	0	73.03	0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.2	
9/28/2009	80.54	8.10	0	72.44	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.98	
12/15/2009	80.54	7.32	0	73.22	0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/28/2010	80.54	7.80	0	72.74	-0.48	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.1	
12/29/2010	80.54	6.22	0	74.32	1.58	--	99	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
MW-2														
11/1/1989	--	--	--	--	--	200	--	ND	ND	3.0	1.2	--	--	
2/15/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/16/1990	--	--	--	--	--	ND	--	ND	6.7	ND	ND	--	--	
11/7/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/25/1991	--	--	--	--	--	ND	--	0.68	0.42	ND	0.86	--	--	
5/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/6/1992	--	--	--	--	--	ND	--	0.36	0.66	ND	0.62	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	510	--	ND	ND	ND	ND	--	--	
12/21/1992	81.62	9.14	0	72.48	--	--	--	--	--	--	--	--	--	
1/30/1993	81.62	8.99	0	72.63	0.15	--	--	--	--	--	--	--	--	
2/24/1993	81.62	8.03	0	73.59	0.96	11000J	--	ND	ND	ND	ND	--	--	
3/22/1993	81.62	9.50	0	72.12	-1.47	--	--	--	--	--	--	--	--	
4/28/1993	81.62	8.87	0	72.75	0.63	--	--	--	--	--	--	--	--	
5/25/1993	81.62	9.04	0	72.58	-0.17	1300J	--	ND	ND	ND	ND	2700	--	
6/23/1993	81.32	9.17	0	72.15	-0.43	--	--	--	--	--	--	--	--	
7/22/1993	81.32	9.42	0	71.90	-0.25	--	--	--	--	--	--	--	--	
8/25/1993	81.32	9.53	0	71.79	-0.11	190J	--	ND	ND	ND	ND	--	--	
9/22/1993	81.32	9.67	0	71.65	-0.14	--	--	--	--	--	--	--	--	
10/28/1993	81.32	9.65	0	71.67	0.02	--	--	--	--	--	--	--	--	
11/30/1993	81.32	9.18	0	72.14	0.47	480J	--	ND	ND	ND	ND	--	--	
2/16/1994	81.32	8.91	0	72.41	0.27	3200J	--	ND	ND	ND	ND	--	--	
5/31/1994	81.32	9.36	0	71.96	-0.45	1100J	--	ND	ND	ND	ND	--	--	
8/31/1994	81.32	9.85	0	71.47	-0.49	310J	--	ND	ND	ND	ND	--	--	
9/27/1994	81.32	9.95	0	71.37	-0.10	--	--	--	--	--	--	--	--	
11/10/1994	81.32	7.47	0	73.85	2.48	95J	--	ND	ND	ND	ND	--	--	
2/7/1995	81.32	8.29	0	73.03	-0.82	1600J	--	ND	ND	ND	ND	--	--	
5/3/1995	81.32	8.12	0	73.20	0.17	ND	--	ND	ND	ND	ND	--	--	
8/3/1995	81.32	9.35	0	71.97	-1.23	ND	--	ND	ND	ND	ND	--	--	
8/19/1995	81.32	--	0	--	--	--	--	--	--	--	--	--	--	
10/11/1995	81.32	9.95	0	71.37	--	--	--	--	--	--	--	--	--	
11/7/1995	81.32	9.65	0	71.67	0.30	ND	--	ND	ND	ND	ND	160	--	
5/6/1996	81.32	8.90	0	72.42	0.75	--	--	--	--	--	--	--	--	Sampling discontinued
11/5/1996	81.32	10.98	0	70.34	-2.08	--	--	--	--	--	--	--	--	
5/15/1997	81.32	9.13	0	72.19	1.85	--	--	--	--	--	--	--	--	
11/12/1997	81.32	9.84	0	71.48	-0.71	--	--	--	--	--	--	--	--	
5/4/1998	81.32	9.26	0	72.06	0.58	--	--	--	--	--	--	--	--	
11/11/1998	81.32	8.88	0	72.44	0.38	--	--	--	--	--	--	--	--	
5/20/1999	81.32	8.68	0	72.64	0.20	--	--	--	--	--	--	--	--	
11/15/1999	81.32	8.91	0	72.41	-0.23	--	--	--	--	--	--	--	--	
5/22/2000	81.32	8.61	0	72.71	0.30	--	--	--	--	--	--	--	--	
11/22/2000	81.32	8.64	0	72.68	-0.03	--	--	--	--	--	--	--	--	
5/15/2001	81.32	8.73	0	72.59	-0.09	--	--	--	--	--	--	--	--	
11/23/2001	81.32	8.61	0	72.71	0.12	--	--	--	--	--	--	--	--	
5/24/2002	81.32	8.03	0	73.29	0.58	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/29/2002	81.32	8.79	0	72.53	-0.76	--	--	--	--	--	--	--	--	
5/15/2003	81.32	8.21	0	73.11	0.58	--	--	--	--	--	--	--	--	
11/4/2003	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
5/24/2004	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
11/29/2004	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
6/24/2005	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
12/15/2005	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
6/14/2006	81.32	8.56	0	72.76	--	--	140	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
12/21/2006	81.32	8.38	0	72.94	0.18	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	32	
6/28/2007	81.32	9.23	0	72.09	-0.85	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8.3	
12/13/2007	81.32	9.10	0	72.22	0.13	--	ND<50	ND<0.50	1.1	ND<0.50	1.4	--	10	
6/9/2008	81.32	10.01	0	71.31	-0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
12/30/2008	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate due to debris
9/28/2009	81.32	--	--	--	--	--	--	--	--	--	--	--	--	Unable to open due to stripped bolts
12/15/2009	81.32	8.93	0	72.39	--	--	69	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.9	
6/28/2010	81.32	9.65	0	71.67	-0.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.3	
12/29/2010	81.32	7.91	0	73.41	1.74	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	
MW-3														
11/1/1989	--	--	--	--	--	13000	--	57	48	1.7	120	--	--	
2/15/1990	--	--	--	--	--	20000	--	1700	2100	750	3100	--	--	
8/16/1990	--	--	--	--	--	6800	--	600	660	760	160	--	--	
11/7/1990	--	--	--	--	--	42000	--	1400	5000	1800	7500	--	--	
2/25/1991	--	--	--	--	--	37000	--	730	2900	1300	7300	--	--	
5/28/1991	--	--	--	--	--	24000	--	570	1100	810	4200	--	--	
8/28/1991	--	--	--	--	--	16000	--	650	2200	1100	5400	--	--	
11/19/1991	--	--	--	--	--	22000	--	250	440	660	3000	--	--	
2/6/1992	--	--	--	--	--	24000	--	600	1800	1200	5800	--	--	
5/23/1992	--	--	--	--	--	25000	--	300	130	880	4900	--	--	
8/26/1992	--	--	--	--	--	20000	--	690	1900	1300	5700	--	--	
11/20/1992	--	--	--	--	--	1100000	--	1800	6400	3000	15000	--	--	
12/4/1992	82.01	10.30	0	71.71	--	--	--	--	--	--	--	--	--	
12/21/1992	82.01	9.78	0	72.23	0.52	--	--	--	--	--	--	--	--	Trace
1/9/1993	82.01	8.55	0	73.46	1.23	--	--	--	--	--	--	--	--	
1/30/1993	82.01	8.90	0	73.11	-0.35	--	--	--	--	--	--	--	--	
2/10/1993	82.01	9.01	0.01	73.01	-0.10	--	--	--	--	--	--	--	--	LPH in well
2/24/1993	82.01	8.26	0.01	73.76	0.75	--	--	--	--	--	--	--	--	LPH in well
3/9/1993	82.01	9.18	0.02	72.85	-0.91	--	--	--	--	--	--	--	--	LPH in well
3/22/1993	82.01	8.81	0.02	73.22	0.37	--	--	--	--	--	--	--	--	LPH in well

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
4/8/1993	82.01	9.14	0.02	72.89	-0.33	--	--	--	--	--	--	--	--	LPH in well
4/28/1993	82.01	9.44	0.03	72.59	-0.29	--	--	--	--	--	--	--	--	LPH in well
5/12/1993	82.01	9.57	0.03	72.46	-0.13	--	--	--	--	--	--	--	--	LPH in well
5/25/1993	82.01	9.45	0.03	72.58	0.12	--	--	--	--	--	--	--	--	LPH in well
6/7/1993	81.41	8.94	0	72.47	-0.11	--	--	--	--	--	--	--	--	
6/23/1993	81.41	9.20	0.02	72.23	-0.24	--	--	--	--	--	--	--	--	LPH in well
7/8/1993	81.41	9.31	0.03	72.12	-0.10	--	--	--	--	--	--	--	--	LPH in well
7/22/1993	81.41	9.47	0	71.94	-0.18	--	--	--	--	--	--	--	--	
8/11/1993	81.41	9.59	0	71.82	-0.12	--	--	--	--	--	--	--	--	
8/25/1993	81.41	9.67	0.03	71.76	-0.06	--	--	--	--	--	--	--	--	LPH in well
9/8/1993	81.41	10.34	0	71.07	-0.69	--	--	--	--	--	--	--	--	
9/22/1993	81.41	9.84	0.02	71.59	0.51	--	--	--	--	--	--	--	--	LPH in well
10/7/1993	81.41	9.87	0	71.54	-0.05	--	--	--	--	--	--	--	--	
10/28/1993	81.41	10.03	0	71.38	-0.16	--	--	--	--	--	--	--	--	
11/12/1993	81.41	9.76	0	71.65	0.27	--	--	--	--	--	--	--	--	
11/30/1993	81.41	9.66	0.02	71.76	0.11	--	--	--	--	--	--	--	--	LPH in well
2/16/1994	81.41	8.87	0	72.54	0.78	57000	--	910	2500	2100	9000	--	--	Sheen
5/31/1994	81.41	9.48	0	71.93	-0.61	39000	--	670	630	1500	6200	--	--	
8/31/1994	81.41	10.08	0	71.33	-0.60	44000	--	500	240	1400	5700	--	--	
9/24/1994	81.41	10.22	0	71.19	-0.14	--	--	--	--	--	--	--	--	
10/11/1994	81.41	10.41	0.01	71.01	-0.18	--	--	--	--	--	--	--	--	LPH in well
11/10/1994	81.41	7.47	0	73.94	2.93	86000	--	3300	3800	1800	8300	--	--	Sheen
2/7/1995	81.41	8.05	0	73.36	-0.58	45000	--	1400	1300	1500	5600	--	--	
3/14/1995	81.41	7.05	0	74.36	1.00	--	--	--	--	--	--	--	--	
5/3/1995	81.41	7.91	0	73.50	-0.86	26000	--	740	990	1100	4400	--	--	
8/3/1995	81.41	9.28	0	72.13	-1.37	18000	--	59	ND	530	1900	--	--	
8/19/1995	81.41	--	0	--	--	--	--	--	--	--	--	--	--	
11/7/1995	81.41	10.79	0	70.62	--	17000	--	110	26	400	1500	880	--	
5/6/1996	81.41	9.44	0	71.97	1.35	5100	--	48	ND	87	210	370	--	Sheen
11/5/1996	81.41	10.64	0	70.77	-1.20	35000	--	2200	ND	1200	2800	460	--	
5/15/1997	81.41	9.61	0	71.80	1.03	2400	--	110	ND	ND	140	100	--	
11/12/1997	81.41	9.18	0	72.23	0.43	29000	--	2000	ND	1800	3000	ND	--	
5/4/1998	81.41	9.50	0	71.91	-0.32	8200	--	430	ND	310	320	ND	--	
11/11/1998	81.41	9.25	0	72.16	0.25	8700	--	500	ND	330	310	ND	--	
5/20/1999	81.41	8.95	0	72.46	0.30	4300	--	250	ND	ND	86	ND	--	
11/15/1999	81.41	10.35	0	71.06	-1.40	6720	--	326	ND	398	226	120	45.1	
5/22/2000	81.41	9.14	0	72.27	1.21	4000	--	99	4.5	190	75	100	94	
11/22/2000	81.41	9.33	0	72.08	-0.19	6130	--	93.7	6.71	174	47.8	212	131	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/15/2001	81.41	9.25	0	72.16	0.08	4490	--	229	7.09	160	31.6	97.1	75.5	
11/23/2001	81.41	9.12	0	72.29	0.13	3500	--	41	ND<5.0	120	8.0	320	390	
5/24/2002	81.41	8.58	0	72.83	0.54	4000	--	86	6.0	120	5.8	120	73	
11/29/2002	81.41	9.81	0	71.60	-1.23	5300	--	ND<25	ND<25	65	ND<50	--	340	
5/15/2003	81.41	8.76	0	72.65	1.05	5600	--	ND<5.0	ND<5.0	81	ND<10	--	440	
11/4/2003	81.41	9.90	0	71.51	-1.14	--	13000	ND<20	ND<20	72	56	--	530	
5/24/2004	81.41	9.29	0	72.12	0.61	--	10000	14	ND<10	81	ND<20	--	1200	
11/29/2004	81.41	9.15	0	72.26	0.14	--	9000	5.9	ND<5.0	45	ND<10	--	550	
6/24/2005	81.41	8.65	0	72.76	0.50	--	5600	31	4.1	97	220	--	400	
12/15/2005	81.41	9.27	0	72.14	-0.62	--	6800	81	45	110	220	--	280	
6/14/2006	81.41	8.73	0	72.68	0.54	--	10000	38	ND<2.5	130	170	--	160	
12/21/2006	81.41	8.95	0	72.46	-0.22	--	6600	36	ND<2.5	150	120	--	96	
6/28/2007	81.41	10.01	0	71.40	-1.06	--	6700	33	ND<0.50	70	24	--	75	
12/13/2007	81.41	10.22	0	71.19	-0.21	--	4000	20	ND<1.0	51	19	--	27	
6/9/2008	81.41	10.25	0	71.16	-0.03	--	9700	190	ND<2.5	170	48	--	19	
12/30/2008	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate due to debris
9/28/2009	81.41	10.15	0	71.26	--	--	6200	39	ND<2.5	170	12	--	18	
12/15/2009	81.41	9.18	0	72.23	0.97	--	3300	9.1	ND<2.5	47	5.6	--	13	
6/28/2010	81.41	9.82	0	71.59	-0.64	--	10000	13	ND<0.50	92	14	--	17	
12/29/2010	81.41	7.84	0	73.57	1.98	--	3900	16	ND<0.50	36	5.2	--	28	
MW-4														
2/15/1990	--	--	--	--	--	150	--	8.0	8.0	10	45	--	--	
8/16/1990	--	--	--	--	--	3600	--	480	17	230	260	--	--	
11/7/1990	--	--	--	--	--	180	--	1.5	0.37	6.3	26	--	--	
2/25/1991	--	--	--	--	--	22000	--	600	1300	780	2800	--	--	
5/28/1991	--	--	--	--	--	38	--	ND	ND	ND	1.9	--	--	
8/28/1991	--	--	--	--	--	2000	--	1500	20	120	300	--	--	
11/19/1991	--	--	--	--	--	55	--	9.2	4.5	1.4	6.7	--	--	
2/6/1992	--	--	--	--	--	5700	--	2200	140	57	980	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	120	--	86	0.52	0.57	1.6	--	--	
11/20/1992	--	--	--	--	--	ND	--	6.2	ND	1.2	0.52	--	--	
1/30/1993	81.48	8.35	0	73.13	--	--	--	--	--	--	--	--	--	
2/24/1993	81.48	8.17	0	73.31	0.18	140	--	12	0.64	9.4	3.7	--	--	
3/22/1993	81.48	8.12	0	73.36	0.05	--	--	--	--	--	--	--	--	
4/28/1993	81.48	9.36	0	72.12	-1.24	--	--	--	--	--	--	--	--	
5/25/1993	81.48	8.75	0	72.73	0.61	74	--	10	ND	4.6	1.8	--	--	
6/23/1993	81.29	8.90	0	72.39	-0.34	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
7/22/1993	81.29	9.26	0	72.03	-0.36	--	--	--	--	--	--	--	--	
8/25/1993	81.29	9.45	0	71.84	-0.19	640	--	100	1.1	100	22	--	--	
9/22/1993	81.29	9.63	0	71.66	-0.18	--	--	--	--	--	--	--	--	
10/28/1993	81.29	9.62	0	71.67	0.01	--	--	--	--	--	--	--	--	
11/30/1993	81.29	9.40	0	71.89	0.22	200	--	28	ND	17	8.1	--	--	
12/21/1993	81.48	9.10	0	72.38	0.49	--	--	--	--	--	--	--	--	
2/16/1994	81.29	9.21	0	72.08	-0.30	190	--	11	0.98	21	6.6	--	--	
5/31/1994	81.29	9.11	0	72.18	0.10	1100	--	190	ND	100	58	--	--	
8/31/1994	81.29	10.01	0	71.28	-0.90	400	--	17	0.94	14	5.2	--	--	
9/27/1994	81.29	10.09	0	71.20	-0.08	--	--	--	--	--	--	--	--	
10/11/1994	81.29	11.50	0	69.79	-1.41	--	--	--	--	--	--	--	--	
11/10/1994	81.29	9.21	0	72.08	2.29	7700	--	1800	280	460	1300	--	--	
2/7/1995	81.29	7.66	0	73.63	1.55	540	--	47	ND	17	2.5	--	--	
5/3/1995	81.29	8.29	0	73.00	-0.63	160	--	8.3	0.52	1.5	3.7	--	--	
8/3/1995	81.29	8.60	0	72.69	-0.31	57	--	2.0	ND	ND	ND	--	--	
8/19/1995	81.29	--	0	--	--	--	--	--	--	--	--	--	--	
11/7/1995	81.29	10.28	0	71.01	--	ND	--	0.71	ND	ND	ND	0.86	--	
5/6/1996	81.29	8.70	0	72.59	1.58	1200	--	12	11	15	36	ND	--	
11/5/1996	81.29	10.00	0	71.29	-1.30	700	--	32	0.71	1.8	1.3	6.5	--	
5/15/1997	81.29	9.37	0	71.92	0.63	51	--	ND	ND	ND	ND	ND	--	
11/12/1997	81.29	8.92	0	72.37	0.45	74	--	1.7	ND	ND	ND	ND	--	
5/4/1998	81.29	9.48	0	71.81	-0.56	ND	--	ND	ND	ND	ND	ND	--	
11/11/1998	81.29	9.13	0	72.16	0.35	ND	--	0.63	ND	ND	ND	ND	--	
5/20/1999	81.29	8.41	0	72.88	0.72	ND	--	ND	ND	ND	ND	ND	--	
11/15/1999	81.29	9.68	0	71.61	-1.27	ND	--	ND	ND	ND	ND	ND	--	
5/22/2000	81.29	8.60	0	72.69	1.08	ND	--	ND	ND	ND	ND	ND	--	
11/22/2000	81.29	8.91	0	72.38	-0.31	ND	--	ND	ND	ND	ND	ND	--	
5/15/2001	81.29	8.66	0	72.63	0.25	ND	--	ND	1.10	ND	1.16	ND	--	
11/23/2001	81.29	8.84	0	72.45	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/24/2002	81.29	7.93	0	73.36	0.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.6	3.5	
11/29/2002	81.29	9.34	0	71.95	-1.41	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
5/15/2003	81.29	7.87	0	73.42	1.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/4/2003	81.48	9.45	0	72.03	-1.39	--	61	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/24/2004	81.48	8.49	0	72.99	0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/29/2004	81.48	9.01	0	72.47	-0.52	--	120	ND<0.50	ND<0.50	0.52	ND<1.0	--	0.55	
6/24/2005	81.48	7.81	0	73.67	1.20	--	90	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/15/2005	81.48	8.73	0	72.75	-0.92	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
6/14/2006	81.48	7.43	0	74.05	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
12/21/2006	--	7.04	0	--	--	--	62	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.67	Casing elevation modified on 6/21/2006
6/28/2007	--	11.49	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.61	
12/13/2007	--	11.79	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.62	
6/9/2008	--	12.24	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.99	
12/30/2008	--	9.34	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
9/28/2009	--	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/15/2009	--	10.22	0	--	--	--	1800	4.4	ND<0.50	8.5	ND<1.0	--	4.0	
6/28/2010	--	11.74	0	--	--	--	230	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
12/29/2010	--	9.33	0	--	--	--	5300	0.72	0.55	35	ND<1.0	--	0.78	
MW-5														
2/15/1990	--	--	--	--	--	24000	--	1500	1700	260	3600	--	--	
8/16/1990	--	--	--	--	--	16000	--	1400	1900	2800	660	--	--	
11/7/1990	--	--	--	--	--	20000	--	640	1100	670	3000	--	--	
2/25/1991	--	--	--	--	--	25000	--	950	1300	900	3500	--	--	
5/28/1991	--	--	--	--	--	24000	--	2300	3400	1300	6000	--	--	
8/28/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/19/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
2/6/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
5/23/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
8/26/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Not sampled - presence of free product
12/4/1992	81.59	10.03	0.08	71.62	--	--	--	--	--	--	--	--	--	
12/21/1992	81.59	9.50	0.01	72.10	0.48	--	--	--	--	--	--	--	--	
1/9/1993	81.59	8.22	0	73.37	1.27	--	--	--	--	--	--	--	--	
1/30/1993	81.59	8.58	0	73.01	-0.36	--	--	--	--	--	--	--	--	Trace
2/10/1993	81.59	8.68	0	72.91	-0.10	--	--	--	--	--	--	--	--	Trace
2/24/1993	81.59	7.91	0.01	73.69	0.78	--	--	--	--	--	--	--	--	LPH in well
3/9/1993	81.59	8.87	0.01	72.73	-0.96	--	--	--	--	--	--	--	--	LPH in well
3/22/1993	81.59	8.46	0.01	73.14	0.41	--	--	--	--	--	--	--	--	LPH in well
4/8/1993	81.59	8.84	0.01	72.76	-0.38	--	--	--	--	--	--	--	--	LPH in well
4/28/1993	81.59	9.14	0.02	72.46	-0.29	--	--	--	--	--	--	--	--	LPH in well
5/12/1993	81.59	9.28	0.02	72.32	-0.14	--	--	--	--	--	--	--	--	LPH in well
5/25/1993	81.59	9.63	0.13	72.06	-0.27	--	--	--	--	--	--	--	--	LPH in well
6/7/1993	81.38	9.75	0.01	71.64	-0.42	--	--	--	--	--	--	--	--	LPH in well
6/23/1993	81.38	9.32	0.03	72.08	0.44	--	--	--	--	--	--	--	--	LPH in well
7/8/1993	81.38	9.48	0.04	71.93	-0.15	--	--	--	--	--	--	--	--	LPH in well
7/22/1993	81.38	9.73	0.16	71.77	-0.16	--	--	--	--	--	--	--	--	LPH in well
8/11/1993	81.38	9.84	0.04	71.57	-0.20	--	--	--	--	--	--	--	--	LPH in well

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
8/25/1993	81.38	9.81	0.02	71.58	0.02	--	--	--	--	--	--	--	--	LPH in well
9/8/1993	81.38	10.09	0.03	71.31	-0.27	--	--	--	--	--	--	--	--	LPH in well
9/22/1993	81.38	10.01	0.05	71.41	0.10	--	--	--	--	--	--	--	--	LPH in well
10/7/1993	81.38	9.94	0.03	71.46	0.06	--	--	--	--	--	--	--	--	LPH in well
10/28/1993	81.38	10.04	0.02	71.35	-0.11	--	--	--	--	--	--	--	--	LPH in well
11/12/1993	81.38	9.79	0	71.59	0.24	--	--	--	--	--	--	--	--	
11/30/1993	81.38	9.62	0	71.76	0.17	--	--	--	--	--	--	--	--	
2/16/1994	81.38	8.95	0.02	72.44	0.69	--	--	--	--	--	--	--	--	LPH in well
5/31/1994	81.38	9.63	0	71.75	-0.69	43000	--	1500	1200	1600	6700	--	--	
8/31/1994	81.38	10.25	0.02	71.14	-0.61	--	--	--	--	--	--	--	--	LPH in well
9/27/1994	81.38	10.38	0	71.00	-0.14	--	--	--	--	--	--	--	--	
10/11/1994	81.38	10.45	0.02	70.94	-0.06	--	--	--	--	--	--	--	--	LPH in well
11/10/1994	81.38	7.54	0.08	73.90	2.95	--	--	--	--	--	--	--	--	LPH in well
2/7/1995	81.38	8.10	0	73.28	-0.62	25000	--	1400	740	990	3000	--	--	
3/14/1995	81.38	7.04	0	74.34	1.06	--	--	--	--	--	--	--	--	
5/3/1995	81.38	7.98	0	73.40	-0.94	12000	--	680	160	600	1800	--	--	
8/3/1995	81.38	9.25	0	72.13	-1.27	23000	--	940	280	810	2700	--	--	
8/19/1995	81.38	--	0	--	--	--	--	--	--	--	--	--	--	
11/7/1995	81.38	10.00	0	71.38	--	40000	--	510	280	1000	5700	630	--	
5/6/1996	81.38	9.03	0	72.35	0.97	13000	--	200	ND	180	610	170	--	Sheen
11/5/1996	81.38	10.41	0	70.97	-1.38	35000	--	1800	ND	1300	4900	580	--	
5/15/1997	81.38	9.41	0	71.97	1.00	10000	--	490	ND	ND	1300	ND	--	Sheen
11/12/1997	81.38	9.27	0	72.11	0.14	100	--	5.1	ND	ND	ND	74	--	
5/4/1998	81.38	9.18	0	72.20	0.09	39000	--	1600	230	1000	3200	ND	--	
11/11/1998	81.38	9.23	0.37	72.43	0.23	--	--	--	--	--	--	--	--	LPH in well
2/22/1999	81.38	7.69	0.25	73.88	1.45	--	--	--	--	--	--	--	--	LPH in well
4/2/1999	81.38	8.19	0.28	73.40	-0.48	--	--	--	--	--	--	--	--	LPH in well
5/4/1999	81.38	8.44	0.01	72.95	-0.45	--	--	--	--	--	--	--	--	LPH in well
5/20/1999	81.38	8.73	0.04	72.68	-0.27	--	--	--	--	--	--	--	--	LPH in well
6/29/1999	81.38	8.91	0.05	72.51	-0.17	--	--	--	--	--	--	--	--	LPH in well
7/29/1999	81.38	9.12	0.07	72.31	-0.20	--	--	--	--	--	--	--	--	LPH in well
8/24/1999	81.38	9.37	0.09	72.08	-0.24	--	--	--	--	--	--	--	--	LPH in well
9/27/1999	81.38	9.51	0.06	71.91	-0.16	--	--	--	--	--	--	--	--	LPH in well
10/28/1999	81.38	--	0.05	--	--	--	--	--	--	--	--	--	--	LPH in well
11/15/1999	81.38	9.29	0	72.09	--	--	--	--	--	--	--	--	--	Sheen
12/20/1999	81.38	9.14	0	72.24	0.15	--	--	--	--	--	--	--	--	
1/20/2000	81.38	9.08	0	72.30	0.06	--	--	--	--	--	--	--	--	
2/26/2000	81.38	8.69	0	72.69	0.39	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
3/31/2000	81.38	8.48	0	72.90	0.21	--	--	--	--	--	--	--	--	
4/13/2000	81.38	8.66	0	72.72	-0.18	--	--	--	--	--	--	--	--	
5/22/2000	81.38	9.06	0	72.32	-0.40	240000	--	33000	5000	18000	59000	640	21	
11/22/2000	81.38	9.24	0.67	72.64	0.32	--	--	--	--	--	--	--	--	LPH in well
2/14/2001	81.38	7.63	0.33	74.00	1.35	--	--	--	--	--	--	--	--	LPH in well
3/28/2001	81.38	8.82	0	72.56	-1.44	--	--	--	--	--	--	--	--	
4/28/2001	81.38	8.66	0	72.72	0.16	--	--	--	--	--	--	--	--	
5/15/2001	81.38	8.97	0	72.41	-0.31	--	--	--	--	--	--	--	--	
6/29/2001	81.38	8.73	0	72.65	0.24	--	--	--	--	--	--	--	--	
7/17/2001	81.38	8.92	0.02	72.47	-0.17	--	--	--	--	--	--	--	--	LPH in well
8/30/2001	81.38	8.85	0	72.53	0.06	--	--	--	--	--	--	--	--	
9/24/2001	81.38	8.89	0	72.49	-0.04	--	--	--	--	--	--	--	--	
10/15/2001	81.38	9.11	0.03	72.29	-0.20	--	--	--	--	--	--	--	--	LPH in well
11/23/2001	81.38	8.77	0	72.61	0.32	29000	--	3900	450	1400	3500	ND<500	--	
12/10/2001	81.38	8.75	0	72.63	0.02	--	--	--	--	--	--	--	--	
1/14/2002	81.38	8.26	0	73.12	0.49	--	--	--	--	--	--	--	--	
2/22/2002	81.38	6.30	0	75.08	1.96	--	--	--	--	--	--	--	--	
3/11/2002	81.38	6.47	0	74.91	-0.17	--	--	--	--	--	--	--	--	
4/15/2002	81.38	6.56	0	74.82	-0.09	--	--	--	--	--	--	--	--	
5/24/2002	81.38	8.32	0.15	73.17	-1.65	--	--	--	--	--	--	--	--	LPH in well
6/17/2002	81.38	8.41	0.2	73.12	-0.05	--	--	--	--	--	--	--	--	LPH in well
7/15/2002	81.38	8.63	0.2	72.90	-0.22	--	--	--	--	--	--	--	--	LPH in well
8/19/2002	81.38	8.76	0.31	72.85	-0.05	--	--	--	--	--	--	--	--	LPH in well
9/5/2002	81.38	8.73	0.16	72.77	-0.08	--	--	--	--	--	--	--	--	LPH in well
10/7/2002	81.38	8.79	0.09	72.66	-0.11	--	--	--	--	--	--	--	--	LPH in well
11/29/2002	81.38	9.18	0.05	72.24	-0.42	--	--	--	--	--	--	--	--	LPH in well
12/12/2002	81.38	9.12	0.04	72.29	0.05	--	--	--	--	--	--	--	--	LPH in well
1/6/2003	81.38	9.05	0.03	72.35	0.06	--	--	--	--	--	--	--	--	LPH in well
2/12/2003	81.38	8.87	0.04	72.54	0.19	--	--	--	--	--	--	--	--	LPH in well
3/13/2003	81.38	8.25	0.03	73.15	0.61	--	--	--	--	--	--	--	--	LPH in well
4/7/2003	81.38	8.31	0.02	73.08	-0.07	--	--	--	--	--	--	--	--	LPH in well
5/15/2003	81.38	8.58	0.03	72.82	-0.26	--	--	--	--	--	--	--	--	LPH in well
6/12/2003	81.38	8.63	0.02	72.76	-0.06	--	--	--	--	--	--	--	--	LPH in well
7/7/2003	81.38	8.59	0.02	72.80	0.04	--	--	--	--	--	--	--	--	LPH in well
8/14/2003	81.38	8.65	0.03	72.75	-0.05	--	--	--	--	--	--	--	--	LPH in well
9/12/2003	81.38	8.82	0.03	72.58	-0.17	--	--	--	--	--	--	--	--	LPH in well
11/4/2003	81.38	9.90	0.25	71.67	-0.92	--	--	--	--	--	--	--	--	LPH in well
5/24/2004	81.38	9.33	0.25	72.24	0.57	--	--	--	--	--	--	--	--	LPH in well

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/29/2004	81.38	9.16	0.21	72.38	0.14	--	--	--	--	--	--	--	--	LPH in well
6/24/2005	81.38	8.41	0	72.97	0.59	--	53000	560	230	1600	5100	--	82	
12/15/2005	81.38	8.96	0	72.42	-0.55	--	27000	130	ND<25	560	1800	--	120	
6/14/2006	81.38	8.41	0	72.97	0.55	--	11000	110	ND<12	360	640	--	48	
12/21/2006	81.38	9.65	0	71.73	-1.24	--	78000	490	43	1400	4300	--	96	
6/28/2007	81.38	9.99	0.29	71.61	-0.12	--	--	--	--	--	--	--	--	LPH in well
12/13/2007	81.38	10.12	0.17	71.39	-0.22	--	--	--	--	--	--	--	--	LPH in well
6/9/2008	81.38	10.12	0.17	71.39	0.00	--	--	--	--	--	--	--	--	LPH in well
12/30/2008	81.38	9.33	0.13	72.15	0.76	--	--	--	--	--	--	--	--	LPH in well
9/28/2009	81.38	9.77	0.01	71.62	-0.53	--	--	--	--	--	--	--	--	LPH in well
12/15/2009	81.38	8.87	0.01	72.52	0.90	--	--	--	--	--	--	--	--	LPH in well
6/28/2010	81.38	9.82	0.5	71.93	-0.58	--	--	--	--	--	--	--	--	LPH in well
12/29/2010	81.38	8.69	1.49	73.81	1.87	--	--	--	--	--	--	--	--	LPH in well
MW-6														
11/7/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/25/1991	--	--	--	--	--	ND	--	0.37	0.4	0.35	1.5	--	--	
5/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	0.42	--	--	
8/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/19/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/21/1992	80.47	7.71	0	72.76	--	--	--	--	--	--	--	--	--	
1/30/1993	80.47	7.25	0	73.22	0.46	--	--	--	--	--	--	--	--	
2/24/1993	80.47	6.74	0	73.73	0.51	ND	--	ND	ND	ND	ND	--	--	
3/22/1993	80.47	5.85	0	74.62	0.89	--	--	--	--	--	--	--	--	
4/28/1993	80.47	7.58	0	72.89	-1.73	--	--	--	--	--	--	--	--	
5/25/1993	80.47	7.48	0	72.99	0.10	ND	--	ND	ND	ND	ND	--	--	
6/23/1993	79.94	7.34	0	72.60	-0.39	--	--	--	--	--	--	--	--	
7/22/1993	79.94	7.53	0	72.41	-0.19	--	--	--	--	--	--	--	--	
8/25/1993	79.94	7.66	0	72.28	-0.13	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	79.94	7.76	0	72.18	-0.10	--	--	--	--	--	--	--	--	
10/28/1993	79.94	8.30	0	71.64	-0.54	--	--	--	--	--	--	--	--	
11/30/1993	79.94	7.40	0	72.54	0.90	--	--	--	--	--	--	--	--	
2/16/1994	79.94	7.13	0	72.81	0.27	ND	--	ND	ND	ND	ND	--	--	
5/31/1994	79.94	7.49	0	72.45	-0.36	--	--	--	--	--	--	--	--	
8/31/1994	79.94	7.93	0	72.01	-0.44	ND	--	ND	1.5	ND	1.6	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
9/27/1994	79.94	8.03	0	71.91	-0.10	--	--	--	--	--	--	--	--	
10/11/1994	79.94	8.05	0	71.89	-0.02	--	--	--	--	--	--	--	--	
11/10/1994	79.94	6.12	0	73.82	1.93	--	--	--	--	--	--	--	--	
2/7/1995	79.94	6.65	0	73.29	-0.53	ND	--	ND	ND	ND	ND	--	--	
5/3/1995	79.94	6.47	0	73.47	0.18	ND	--	ND	ND	ND	1.0	--	--	
8/3/1995	79.94	7.28	0	72.66	-0.81	--	--	--	--	--	--	--	--	
11/7/1995	79.94	7.98	0	71.96	-0.70	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	79.94	7.80	0	72.14	0.18	--	--	--	--	--	--	--	--	
11/5/1996	79.94	7.63	0	72.31	0.17	--	--	--	--	--	--	--	--	
5/15/1997	79.94	7.41	0	72.53	0.22	--	--	--	--	--	--	--	--	
11/12/1997	79.94	7.51	0	72.43	-0.10	--	--	--	--	--	--	--	--	
5/4/1998	79.94	7.15	0	72.79	0.36	--	--	--	--	--	--	--	--	
11/11/1998	79.94	7.04	0	72.90	0.11	--	--	--	--	--	--	--	--	
5/20/1999	79.94	7.00	0	72.94	0.04	--	--	--	--	--	--	--	--	
11/15/1999	79.94	7.42	0	72.52	-0.42	--	--	--	--	--	--	--	--	
5/22/2000	79.94	7.24	0	72.70	0.18	--	--	--	--	--	--	--	--	
11/22/2000	79.94	7.40	0	72.54	-0.16	--	--	--	--	--	--	--	--	
5/15/2001	79.94	7.12	0	72.82	0.28	--	--	--	--	--	--	--	--	
11/23/2001	79.94	7.19	0	72.75	-0.07	--	--	--	--	--	--	--	--	
5/24/2002	79.94	6.54	0	73.40	0.65	--	--	--	--	--	--	--	--	
11/29/2002	79.94	7.26	0	72.68	-0.72	--	--	--	--	--	--	--	--	
5/15/2003	79.94	6.26	0	73.68	1.00	--	--	--	--	--	--	--	--	
11/4/2003	79.94	7.80	0	72.14	-1.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.4	
5/24/2004	79.94	7.54	0	72.40	0.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.8	
11/29/2004	79.94	7.01	0	72.93	0.53	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.8	
6/24/2005	79.94	7.68	0	72.26	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.47	
12/15/2005	79.94	7.49	0	72.45	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.88	
6/14/2006	79.94	6.45	0	73.49	1.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.0	
12/21/2006	79.94	6.91	0	73.03	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.0	
6/28/2007	79.94	7.46	0	72.48	-0.55	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	
12/13/2007	79.94	7.41	0	72.53	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.64	
6/9/2008	79.94	8.20	0	71.74	-0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.65	
12/30/2008	79.94	7.47	0	72.47	0.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/28/2009	79.94	7.96	0	71.98	-0.49	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.67	
12/15/2009	79.94	7.22	0	72.72	0.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/28/2010	79.94	7.68	0	72.26	-0.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/29/2010	79.94	5.93	0	74.01	1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

MW-7

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/7/1990	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
2/25/1991	--	--	--	--	--	70	--	ND	ND	ND	0.52	--	--	
5/28/1991	--	--	--	--	--	39	--	ND	ND	ND	0.73	--	--	
8/28/1991	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/19/1991	--	--	--	--	--	32	--	ND	ND	ND	ND	--	--	
2/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	ND	--	ND	ND	0.73	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/21/1992	81.83	8.42	0	73.41	--	--	--	--	--	--	--	--	--	
1/30/1993	81.83	8.21	0	73.62	0.21	--	--	--	--	--	--	--	--	
2/24/1993	81.83	7.85	0	73.98	0.36	ND	--	ND	ND	ND	ND	--	--	
3/22/1993	81.83	6.97	0	74.86	0.88	--	--	--	--	--	--	--	--	
4/28/1993	81.83	8.39	0	73.44	-1.42	--	--	--	--	--	--	--	--	
5/25/1993	81.83	8.43	0	73.40	-0.04	ND	--	ND	ND	ND	ND	--	--	
6/23/1993	81.64	8.47	0	73.17	-0.23	--	--	--	--	--	--	--	--	
7/22/1993	81.64	8.83	0	72.81	-0.36	--	--	--	--	--	--	--	--	
8/25/1993	81.64	8.81	0	72.83	0.02	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	81.64	8.96	0	72.68	-0.15	--	--	--	--	--	--	--	--	
10/28/1993	81.64	8.98	0	72.66	-0.02	--	--	--	--	--	--	--	--	
11/30/1993	81.64	8.65	0	72.99	0.33	--	--	--	--	--	--	--	--	Sampled semi-annually
2/16/1994	81.64	8.36	0	73.28	0.29	ND	--	ND	ND	ND	0.7	--	--	
5/31/1994	81.64	8.67	0	72.97	-0.31	--	--	--	--	--	--	--	--	
8/31/1994	81.64	9.12	0	72.52	-0.45	ND	--	ND	0.8	ND	0.75	--	--	
9/27/1994	81.64	9.22	0	72.42	-0.10	--	--	--	--	--	--	--	--	
10/11/1994	81.64	9.23	0	72.41	-0.01	--	--	--	--	--	--	--	--	
11/10/1994	81.64	7.66	0	73.98	1.57	--	--	--	--	--	--	--	--	
2/7/1995	81.64	7.88	0	73.76	-0.22	ND	--	ND	ND	ND	ND	--	--	
5/3/1995	81.64	7.71	0	73.93	0.17	ND	--	ND	ND	ND	1.0	--	--	
8/3/1995	81.64	8.40	0	73.24	-0.69	--	--	--	--	--	--	--	--	
11/7/1995	81.64	8.95	0	72.69	-0.55	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	81.64	8.15	0	73.49	0.80	--	--	--	--	--	--	--	--	
11/5/1996	81.64	8.67	0	72.97	-0.52	--	--	--	--	--	--	--	--	
5/15/1997	81.64	8.47	0	73.17	0.20	--	--	--	--	--	--	--	--	
11/12/1997	81.64	7.88	0	73.76	0.59	--	--	--	--	--	--	--	--	
5/4/1998	81.64	7.93	0	73.71	-0.05	--	--	--	--	--	--	--	--	
11/11/1998	81.64	8.20	0	73.44	-0.27	--	--	--	--	--	--	--	--	
5/20/1999	81.64	8.04	0	73.60	0.16	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/15/1999	81.64	8.17	0	73.47	-0.13	--	--	--	--	--	--	--	--	
5/22/2000	81.64	8.10	0	73.54	0.07	--	--	--	--	--	--	--	--	
11/22/2000	81.64	8.30	0	73.34	-0.20	--	--	--	--	--	--	--	--	
5/15/2001	81.64	8.09	0	73.55	0.21	--	--	--	--	--	--	--	--	
11/23/2001	81.64	8.14	0	73.50	-0.05	--	--	--	--	--	--	--	--	
5/24/2002	81.64	7.56	0	74.08	0.58	--	--	--	--	--	--	--	--	
11/29/2002	81.64	8.23	0	73.41	-0.67	--	--	--	--	--	--	--	--	
5/15/2003	81.64	7.25	0	74.39	0.98	--	--	--	--	--	--	--	--	
11/4/2003	81.64	8.76	0	72.88	-1.51	--	70	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/24/2004	81.64	8.32	0	73.32	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.4	
11/29/2004	81.64	8.21	0	73.43	0.11	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.6	
6/24/2005	81.64	7.84	0	73.80	0.37	--	85	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
12/15/2005	81.64	8.15	0	73.49	-0.31	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.72	
6/14/2006	81.64	7.76	0	73.88	0.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/21/2006	--	7.64	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.75	Casing elevation modified on 6/21/2006
6/28/2007	--	8.18	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.51	
12/13/2007	--	8.52	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.58	
6/9/2008	--	8.67	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.54	
12/30/2008	--	8.46	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.0	
9/28/2009	--	8.30	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.52	
12/15/2009	--	8.22	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
6/28/2010	--	8.02	0	--	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/29/2010	--	7.18	0	--	--	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.0	
MW-8														
11/7/1990	--	--	--	--	--	4700	--	28	38	86	7200	--	--	
2/25/1991	--	--	--	--	--	5300	--	17	6.1	53	300	--	--	
5/28/1991	--	--	--	--	--	4800	--	4.2	1.3	5.1	170	--	--	
8/28/1991	--	--	--	--	--	1800	--	3.2	1.9	19	74	--	--	
11/19/1991	--	--	--	--	--	1600	--	8.1	1.8	19	52	--	--	
2/6/1992	--	--	--	--	--	2600	--	4.1	7.0	31	93	--	--	
5/23/1992	--	--	--	--	--	2100	--	8.6	1.6	1.7	28	--	--	
8/26/1992	--	--	--	--	--	1800	--	12	8.0	4.0	13	--	--	
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
12/21/1992	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/9/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/30/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/10/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/24/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
3/9/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/22/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/8/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/28/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/12/1993	81.71	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/25/1993	81.71	10.12	0	71.59	--	1200	--	5.4	ND	9.0	21	--	--	
6/7/1993	81.41	9.98	0	71.43	-0.16	--	--	--	--	--	--	--	--	
6/23/1993	81.41	10.36	0	71.05	-0.38	--	--	--	--	--	--	--	--	
7/8/1993	81.41	10.52	0	70.89	-0.16	--	--	--	--	--	--	--	--	
7/22/1993	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
8/11/1993	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
8/25/1993	81.41	10.95	0	70.46	--	1800	--	11	17	8.9	29	--	--	
9/8/1993	81.41	11.34	0	70.07	-0.39	--	--	--	--	--	--	--	--	
9/22/1993	81.41	11.13	0	70.28	0.21	--	--	--	--	--	--	--	--	
10/7/1993	81.41	10.96	0	70.45	0.17	--	--	--	--	--	--	--	--	
10/28/1993	81.41	11.19	0	70.22	-0.23	--	--	--	--	--	--	--	--	
11/12/1993	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
11/30/1993	81.41	10.42	0	70.99	--	3500	--	18	ND	ND	ND	--	--	
2/16/1994	81.41	9.86	0	71.55	0.56	990	--	4.9	1.8	2.4	4.5	--	--	
5/31/1994	81.41	10.61	0	70.80	-0.75	350	--	3.0	1.0	0.73	1.7	--	--	
8/31/1994	81.41	11.37	0	70.04	-0.76	1800	--	ND	ND	ND	ND	--	--	
9/27/1994	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
10/11/1994	81.41	11.50	0	69.91	--	--	--	--	--	--	--	--	--	
11/10/1994	81.41	7.81	0	73.60	3.69	940	--	6.7	6.3	ND	16	--	--	
2/7/1995	81.41	8.69	0	72.72	-0.88	230	--	1.4	0.95	0.9	1.1	--	--	
5/3/1995	81.41	8.60	0	72.81	0.09	75	--	ND	ND	ND	1.0	--	--	
8/3/1995	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/7/1995	81.41	11.05	0	70.36	--	210	--	1.3	1.2	ND	ND	--	--	
5/6/1996	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/5/1996	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/15/1997	81.41	10.46	0	70.95	--	ND	--	ND	ND	ND	ND	43	--	
11/12/1997	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/4/1998	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
11/11/1998	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/20/1999	81.41	9.75	0	71.66	--	ND	--	ND	ND	ND	ND	23	10	
11/15/1999	81.41	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/22/2000	81.41	9.80	0	71.61	--	ND	--	ND	1.9	ND	3.3	ND	--	
11/22/2000	81.41	9.76	0	71.65	0.04	ND	--	ND	1.16	ND	1.22	ND	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
5/15/2001	81.41	9.87	0	71.54	-0.11	ND	--	ND	ND	ND	ND	ND	--	
11/23/2001	81.41	9.92	0	71.49	-0.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/24/2002	81.41	9.26	0	72.15	0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/29/2002	81.41	9.71	0	71.70	-0.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/15/2003	81.41	9.04	0	72.37	0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/4/2003	81.41	10.20	0	71.21	-1.16	--	690	ND<1.0	ND<1.0	3.3	ND<2.0	--	190	
5/24/2004	81.41	10.04	0	71.37	0.16	--	450	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	750	
11/29/2004	81.41	9.88	0	71.53	0.16	--	1500	ND<10	ND<10	ND<10	ND<20	--	1600	
6/24/2005	81.41	9.40	0	72.01	0.48	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	190	
12/15/2005	81.41	10.01	0	71.40	-0.61	--	520	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1000	
6/14/2006	81.41	5.91	0	75.50	4.10	--	230	ND<0.50	ND<0.50	0.60	ND<1.0	--	39	
12/21/2006	81.41	9.65	0	71.76	-3.74	--	260	2.5	ND<0.50	12	43	--	15	
6/28/2007	81.41	11.10	0	70.31	-1.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	8.4	
12/13/2007	81.41	11.18	0	70.23	-0.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.8	
6/9/2008	81.41	11.25	0	70.16	-0.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	6.5	
12/30/2008	81.41	10.05	0	71.36	1.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.9	
9/28/2009	81.41	11.10	0	70.31	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.1	
12/15/2009	81.41	10.00	0	71.41	1.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.9	
6/28/2010	81.41	10.86	0	70.55	-0.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.6	
12/29/2010	81.41	8.57	0	72.84	2.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
MW-9														
11/7/1990	--	--	--	--	--	480	--	7.8	1.2	13	47	--	--	
2/25/1991	--	--	--	--	--	390	--	13	1.1	2.8	14	--	--	
5/28/1991	--	--	--	--	--	590	--	6.0	0.43	6.8	1.4	--	--	
8/28/1991	--	--	--	--	--	450	--	17	0.9	13	14	--	--	
11/19/1991	--	--	--	--	--	360	--	17	0.45	15	11	--	--	
2/6/1992	--	--	--	--	--	660	--	41	1.0	33	15	--	--	
5/23/1992	--	--	--	--	--	460	--	18	0.66	1.4	3.2	--	--	
8/26/1992	--	--	--	--	--	250	--	13	ND	8.6	3.8	--	--	
11/20/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
12/21/1992	81.13	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
1/30/1993	81.13	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/24/1993	81.13	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
3/22/1993	81.13	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
4/28/1993	81.13	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
5/25/1993	81.13	11.50	0	69.63	--	160	--	6.1	ND	7.4	1.1	--	--	
6/23/1993	80.53	9.78	0	70.75	1.12	--	--	--	--	--	--	--	--	
7/22/1993	80.53	10.10	0	70.43	-0.32	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
8/25/1993	80.53	10.44	0	70.09	-0.34	220	--	10	ND	6.8	1.4	--	--	
9/22/1993	80.53	10.64	0	69.89	-0.20	--	--	--	--	--	--	--	--	
10/28/1993	80.53	10.68	0	69.85	-0.04	--	--	--	--	--	--	--	--	
11/30/1993	80.53	9.87	0	70.66	0.81	200	--	5.6	ND	2.9	2.7	--	--	
2/16/1994	80.53	9.21	0	71.32	0.66	250	--	5.1	1.3	4.4	1.5	--	--	
5/31/1994	80.53	10.15	0	70.38	-0.94	360	--	7.8	0.97	4.6	2.2	--	--	
8/31/1994	80.53	10.97	0	69.56	-0.82	650	--	7.7	2.8	4.4	5.0	59	--	
9/27/1994	80.53	11.10	0	69.43	-0.13	--	--	--	--	--	--	--	--	
10/11/1994	80.53	11.20	0	69.33	-0.10	--	--	--	--	--	--	--	--	
11/10/1994	80.53	7.25	0	73.28	3.95	ND	--	ND	ND	ND	ND	--	--	
2/7/1995	80.53	7.76	0	72.77	-0.51	57	--	0.7	ND	0.86	ND	--	--	
5/3/1995	80.53	7.82	0	72.71	-0.06	ND	--	0.85	0.67	1.3	1.0	--	--	
8/3/1995	80.53	9.70	0	70.83	-1.88	91	--	1.1	ND	ND	ND	--	--	
11/7/1995	80.53	10.64	0	69.89	-0.94	130	--	1.5	0.62	0.71	ND	60	--	
5/6/1996	80.53	9.01	0	71.52	1.63	860	--	6.1	13	6.0	25	ND	--	
11/5/1996	80.53	11.42	0	69.11	-2.41	84	--	0.74	ND	1.2	4.5	ND	--	
5/15/1997	80.53	9.89	0	70.64	1.53	ND	--	ND	ND	ND	ND	ND	--	
11/12/1997	80.53	10.22	0	70.31	-0.33	ND	--	0.55	ND	ND	ND	74	--	
5/4/1998	80.53	10.05	0	70.48	0.17	ND	--	ND	ND	ND	ND	45	--	
11/11/1998	80.53	9.23	0	71.30	0.82	ND	--	ND	ND	ND	ND	ND	--	
5/20/1999	80.53	8.78	0	71.75	0.45	ND	--	ND	ND	ND	ND	ND	--	
11/15/1999	80.53	9.12	0	71.41	-0.34	ND	--	ND	ND	ND	ND	ND	--	
5/22/2000	80.53	9.17	0	71.36	-0.05	ND	--	ND	1.9	ND	3.5	ND	--	
11/22/2000	80.53	9.08	0	71.45	0.09	ND	--	ND	1.18	ND	1.16	ND	--	
5/15/2001	80.53	8.85	0	71.68	0.23	ND	--	ND	ND	ND	ND	ND	--	
11/23/2001	80.53	9.10	0	71.43	-0.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/24/2002	80.53	8.79	0	71.74	0.31	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/29/2002	80.53	9.24	0	71.29	-0.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/15/2003	80.53	8.56	0	71.97	0.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/4/2003	80.53	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/24/2004	80.53	9.38	0	71.15	--	--	330	1.8	ND<0.50	ND<0.50	ND<1.0	--	160	
11/29/2004	80.53	9.55	0	70.98	-0.17	--	690	0.72	ND<0.50	1.3	ND<1.0	--	160	
6/24/2005	80.53	8.65	0	71.88	0.90	--	240	0.80	ND<0.50	0.55	ND<1.0	--	67	
12/15/2005	80.53	9.43	0	71.10	-0.78	--	400	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	82	
6/14/2006	80.53	9.43	0	71.10	0.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
12/21/2006	80.53	9.01	0	71.52	0.42	--	580	ND<0.50	ND<0.50	0.71	ND<0.50	--	36	
6/28/2007	80.53	11.64	0	68.89	-2.63	--	1200	0.81	ND<0.50	ND<0.50	0.54	--	52	
12/13/2007	80.53	11.18	0	69.35	0.46	--	1100	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	31	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
6/9/2008	80.53	11.10	0	69.43	0.08	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
12/30/2008	80.53	9.66	0	70.87	1.44	--	970	ND<0.50	ND<0.50	0.84	ND<1.0	--	5.0	
9/28/2009	80.53	10.83	0	69.70	-1.17	--	860	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.5	
12/15/2009	80.53	10.00	0	70.53	0.83	--	870	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.7	
6/28/2010	80.53	10.45	0	70.08	-0.45	--	360	ND<0.50	ND<0.50	1.0	ND<1.0	--	2.2	
12/29/2010	80.53	7.72	0	72.81	2.73	--	53	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-10														
2/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/21/1992	81.90	13.41	0	68.49	--	--	--	--	--	--	--	--	--	
1/30/1993	81.90	11.60	0	70.30	1.81	--	--	--	--	--	--	--	--	
2/24/1993	81.90	11.23	0	70.67	0.37	ND	--	ND	ND	ND	ND	--	--	
3/22/1993	81.90	10.89	0	71.01	0.34	--	--	--	--	--	--	--	--	
4/28/1993	81.90	12.11	0	69.79	-1.22	--	--	--	--	--	--	--	--	
5/25/1993	81.90	12.02	0	69.88	0.09	ND	--	ND	ND	ND	ND	--	--	
6/23/1993	81.61	12.11	0	69.50	-0.38	--	--	--	--	--	--	--	--	
7/22/1993	81.61	12.49	0	69.12	-0.38	--	--	--	--	--	--	--	--	
8/25/1993	81.61	12.78	0	68.83	-0.29	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	81.61	13.06	0	68.55	-0.28	--	--	--	--	--	--	--	--	
10/28/1993	81.61	13.23	0	68.38	-0.17	--	--	--	--	--	--	--	--	
11/30/1993	81.61	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
2/16/1994	81.61	12.43	0	69.18	--	ND	--	ND	ND	ND	ND	--	--	
5/31/1994	81.61	12.69	0	68.92	-0.26	ND	--	ND	0.9	ND	0.91	--	--	
8/31/1994	81.61	13.47	0	68.14	-0.78	ND	--	ND	0.64	ND	0.54	--	--	
9/27/1994	81.61	13.72	0	67.89	-0.25	--	--	--	--	--	--	--	--	
10/11/1994	81.61	14.80	0	66.81	-1.08	--	--	--	--	--	--	--	--	
11/10/1994	81.61	12.64	0	68.97	2.16	ND	--	ND	ND	ND	ND	--	--	
2/7/1995	81.61	10.29	0	71.32	2.35	--	--	--	--	--	--	--	--	Sampled semi-annually
5/3/1995	81.61	10.22	0	71.39	0.07	ND	--	ND	ND	ND	0.65	--	--	
8/3/1995	81.61	11.73	0	69.88	-1.51	--	--	--	--	--	--	--	--	
11/7/1995	81.61	12.98	0	68.63	-1.25	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	81.61	10.90	0	70.71	2.08	--	--	--	--	--	--	--	--	Sampling discontinued
11/5/1996	81.61	11.96	0	69.65	-1.06	--	--	--	--	--	--	--	--	
5/15/1997	81.61	10.79	0	70.82	1.17	--	--	--	--	--	--	--	--	
11/12/1997	81.61	10.07	0	71.54	0.72	--	--	--	--	--	--	--	--	
5/4/1998	81.61	10.01	0	71.60	0.06	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/11/1998	81.61	12.03	0	69.58	-2.02	--	--	--	--	--	--	--	--	
5/20/1999	81.61	10.05	0	71.56	1.98	--	--	--	--	--	--	--	--	
11/15/1999	81.61	10.16	0	71.45	-0.11	--	--	--	--	--	--	--	--	
5/22/2000	81.61	10.06	0	71.55	0.10	--	--	--	--	--	--	--	--	
11/22/2000	81.61	10.12	0	71.49	-0.06	--	--	--	--	--	--	--	--	
5/15/2001	81.61	10.08	0	71.53	0.04	--	--	--	--	--	--	--	--	
11/23/2001	81.61	10.14	0	71.47	-0.06	--	--	--	--	--	--	--	--	
5/24/2002	81.61	9.48	0	72.13	0.66	--	--	--	--	--	--	--	--	
11/29/2002	81.61	10.11	0	71.50	-0.63	--	--	--	--	--	--	--	--	
5/15/2003	81.61	9.22	0	72.39	0.89	--	--	--	--	--	--	--	--	
11/4/2003	81.61	12.82	0	68.79	-3.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/24/2004	81.61	11.52	0	70.09	1.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.75	
11/29/2004	81.61	12.58	0	69.03	-1.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.72	
6/24/2005	81.61	10.70	0	70.91	1.88	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/15/2005	81.61	12.09	0	69.52	-1.39	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/14/2006	81.61	9.77	0	71.84	2.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/21/2006	81.61	11.57	0	70.04	-1.80	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/28/2007	81.61	14.11	0	67.50	-2.54	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/13/2007	81.61	15.72	0	65.89	-1.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/9/2008	81.61	14.93	0	66.68	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/2008	81.61	13.56	0	68.05	1.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/28/2009	81.61	13.52	0	68.09	0.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/15/2009	81.61	14.02	0	67.59	-0.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/28/2010	81.61	13.55	0	68.06	0.47	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/29/2010	81.61	13.23	0	68.38	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-11														
2/6/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
5/23/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/21/1992	78.43	12.34	0	66.09	--	--	--	--	--	--	--	--	--	
1/30/1993	78.43	14.17	0	64.26	-1.83	--	--	--	--	--	--	--	--	
2/24/1993	78.43	12.70	0	65.73	1.47	ND	--	ND	ND	ND	ND	--	--	
3/22/1993	78.43	8.95	0	69.48	3.75	--	--	--	--	--	--	--	--	
4/28/1993	78.43	13.87	0	64.56	-4.92	--	--	--	--	--	--	--	--	
5/25/1993	78.43	15.14	0	63.29	-1.27	ND	--	ND	0.75	ND	1.0	--	--	
6/23/1993	78.18	15.08	0	63.10	-0.19	--	--	--	--	--	--	--	--	
7/22/1993	78.18	15.46	0	62.72	-0.38	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
8/25/1993	78.18	14.10	0	64.08	1.36	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	78.18	15.03	0	63.15	-0.93	--	--	--	--	--	--	--	--	
10/28/1993	78.18	13.84	0	64.34	1.19	--	--	--	--	--	--	--	--	
11/30/1993	78.18	13.04	0	65.14	0.80	ND	--	ND	ND	ND	ND	--	--	
2/16/1994	78.18	12.76	0	65.42	0.28	ND	--	ND	ND	ND	ND	--	--	
5/31/1994	78.18	12.79	0	65.39	-0.03	ND	--	ND	ND	ND	ND	--	--	
8/31/1994	78.18	12.97	0	65.21	-0.18	ND	--	ND	1.5	ND	1.8	--	--	
9/27/1994	78.18	14.88	0	63.30	-1.91	--	--	--	--	--	--	--	--	
10/11/1994	78.18	13.40	0	64.78	1.48	--	--	--	--	--	--	--	--	
11/10/1994	78.18	13.57	0	64.61	-0.17	ND	--	ND	ND	ND	ND	--	--	
2/7/1995	78.18	12.28	0	65.90	1.29	--	--	--	--	--	--	--	--	Sampled semi-annually
5/3/1995	78.18	9.28	0	68.90	3.00	ND	--	ND	ND	ND	ND	--	--	
8/3/1995	78.18	12.67	0	65.51	-3.39	--	--	--	--	--	--	--	--	
11/7/1995	78.18	12.28	0	65.90	0.39	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	78.18	13.30	0	64.88	-1.02	--	--	--	--	--	--	--	--	Sampling discontinued
11/5/1996	78.18	10.90	0	67.28	2.40	--	--	--	--	--	--	--	--	
5/15/1997	78.18	11.65	0	66.53	-0.75	--	--	--	--	--	--	--	--	
11/12/1997	78.18	9.66	0	68.52	1.99	--	--	--	--	--	--	--	--	
5/4/1998	78.18	10.87	0	67.31	-1.21	--	--	--	--	--	--	--	--	
11/11/1998	78.18	11.40	0	66.78	-0.53	--	--	--	--	--	--	--	--	
5/20/1999	78.18	10.71	0	67.47	0.69	ND	--	ND	ND	ND	ND	ND	--	
11/15/1999	78.18	11.32	0	66.86	-0.61	ND	--	ND	1.04	ND	ND	ND	--	
5/22/2000	78.18	10.98	0	67.20	0.34	ND	--	ND	ND	ND	ND	ND	--	
11/22/2000	78.18	11.17	0	67.01	-0.19	ND	--	ND	ND	ND	ND	ND	--	
5/15/2001	78.18	10.93	0	67.25	0.24	ND	--	ND	ND	ND	ND	ND	--	
11/23/2001	78.18	11.08	0	67.10	-0.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
5/24/2002	78.18	10.58	0	67.60	0.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
11/29/2002	78.18	11.27	0	66.91	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/15/2003	78.18	10.25	0	67.93	1.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
11/4/2003	78.18	11.23	0	66.95	-0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/24/2004	78.18	10.10	0	68.08	1.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
11/29/2004	78.18	10.96	0	67.22	-0.86	--	63	ND<0.50	ND<0.50	1.0	2.5	--	ND<0.50	
6/24/2005	78.18	14.07	0	64.11	-3.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/15/2005	78.18	13.28	0	64.90	0.79	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/14/2006	78.18	12.53	0	65.65	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/21/2006	78.18	12.78	0	65.40	-0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/28/2007	78.18	--	--	--	--	--	--	--	--	--	--	--	--	Bus parked over well
12/13/2007	78.18	15.37	0	62.81	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
6/9/2008	78.18	14.80	0	63.38	0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/2008	78.18	12.90	0	65.28	1.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/28/2009	78.18	12.57	0	65.61	0.33	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/15/2009	78.18	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
6/28/2010	78.18	14.42	0	63.76	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/29/2010	78.18	15.40	0	62.78	-0.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-12														
8/26/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
11/20/1992	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/21/1992	79.89	12.11	0	67.78	--	--	--	--	--	--	--	--	--	
1/30/1993	79.89	13.18	0	66.71	-1.07	--	--	--	--	--	--	--	--	
2/24/1993	79.89	12.13	0	67.76	1.05	ND	--	ND	ND	ND	ND	--	--	
3/22/1993	79.89	11.22	0	68.67	0.91	--	--	--	--	--	--	--	--	
4/28/1993	79.89	13.42	0	66.47	-2.20	--	--	--	--	--	--	--	--	
5/25/1993	79.89	13.68	0	66.21	-0.26	ND	--	ND	ND	ND	ND	--	--	
6/23/1993	79.61	14.56	0	65.05	-1.16	--	--	--	--	--	--	--	--	
7/22/1993	79.61	14.96	0	64.65	-0.40	--	--	--	--	--	--	--	--	
8/25/1993	79.61	13.61	0	66.00	1.35	ND	--	ND	ND	ND	ND	--	--	
9/22/1993	79.61	15.02	0	64.59	-1.41	--	--	--	--	--	--	--	--	
10/28/1993	79.61	14.04	0	65.57	0.98	--	--	--	--	--	--	--	--	
11/30/1993	79.61	13.28	0	66.33	0.76	ND	--	ND	ND	ND	ND	--	--	
2/16/1994	79.61	12.76	0	66.85	0.52	ND	--	ND	ND	ND	ND	--	--	
5/31/1994	79.61	12.64	0	66.97	0.12	ND	--	ND	0.81	ND	0.82	--	--	
8/31/1994	79.61	12.82	0	66.79	-0.18	ND	--	ND	1.0	ND	1.0	--	ND	
9/27/1994	79.61	14.66	0	64.95	-1.84	--	--	--	--	--	--	--	--	
10/11/1994	79.61	14.25	0	65.36	0.41	--	--	--	--	--	--	--	--	
11/10/1994	79.61	13.40	0	66.21	0.85	ND	--	ND	ND	ND	ND	--	--	
2/7/1995	79.61	11.72	0	67.89	1.68	--	--	--	--	--	--	--	--	Sampled semi-annually
5/3/1995	79.61	13.38	0	66.23	-1.66	ND	--	ND	ND	ND	ND	--	--	
8/3/1995	79.61	13.47	0	66.14	-0.09	--	--	--	--	--	--	--	--	
11/7/1995	79.61	12.78	0	66.83	0.69	ND	--	ND	ND	ND	ND	--	--	
5/6/1996	79.61	13.25	0	66.36	-0.47	--	--	--	--	--	--	--	--	Sampling discontinued
11/5/1996	79.61	11.88	0	67.73	1.37	--	--	--	--	--	--	--	--	
5/15/1997	79.61	11.72	0	67.89	0.16	--	--	--	--	--	--	--	--	
11/12/1997	79.61	10.01	0	69.60	1.71	--	--	--	--	--	--	--	--	
5/4/1998	79.61	10.96	0	68.65	-0.95	--	--	--	--	--	--	--	--	
11/11/1998	79.61	11.53	0	68.08	-0.57	--	--	--	--	--	--	--	--	
5/20/1999	79.61	10.84	0	68.77	0.69	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/15/1999	79.61	11.36	0	68.25	-0.52	--	--	--	--	--	--	--	--	
5/22/2000	79.61	11.19	0	68.42	0.17	--	--	--	--	--	--	--	--	
11/22/2000	79.61	11.36	0	68.25	-0.17	--	--	--	--	--	--	--	--	
5/15/2001	79.61	11.04	0	68.57	0.32	--	--	--	--	--	--	--	--	
11/23/2001	79.61	11.14	0	68.47	-0.10	--	--	--	--	--	--	--	--	
5/24/2002	79.61	10.69	0	68.92	0.45	--	--	--	--	--	--	--	--	
11/29/2002	79.61	11.23	0	68.38	-0.54	--	--	--	--	--	--	--	--	
5/15/2003	79.61	10.38	0	69.23	0.85	--	--	--	--	--	--	--	--	
11/4/2003	79.61	11.34	0	68.27	-0.96	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.4	
5/24/2004	79.61	9.84	0	69.77	1.50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.7	
11/29/2004	79.61	12.17	0	67.44	-2.33	--	64	0.68	ND<0.50	1.2	3.0	--	0.71	
6/24/2005	79.61	13.16	0	66.45	-0.99	--	53	ND<0.50	ND<0.50	0.13	0.42	--	ND<0.50	
12/15/2005	79.61	13.94	0	65.67	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/14/2006	79.61	13.11	0	66.50	0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/21/2006	79.61	9.03	0	70.58	4.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/28/2007	79.61	11.75	0	67.86	-2.72	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/13/2007	79.61	14.83	0	64.78	-3.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/9/2008	79.61	14.84	0	64.77	-0.01	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/2008	79.61	13.22	0	66.39	1.62	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/28/2009	79.61	10.55	0	69.06	2.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.55	
12/15/2009	79.61	9.33	0	70.28	1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.56	
6/28/2010	79.61	9.31	0	70.30	0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.97	
12/29/2010	79.61	9.51	0	70.10	-0.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.95	
RW-1														
2/24/1993	81.20	7.19	0	74.01	--	--	--	--	--	--	--	--	--	
5/12/1993	81.20	8.82	0	72.38	-1.63	--	--	--	--	--	--	--	--	
5/25/1993	81.20	8.58	0	72.62	0.24	--	--	--	--	--	--	--	--	
6/7/1993	80.63	8.16	0	72.47	-0.15	--	--	--	--	--	--	--	--	
6/23/1993	80.63	8.53	0	72.10	-0.37	--	--	--	--	--	--	--	--	
7/8/1993	80.63	8.69	0	71.94	-0.16	--	--	--	--	--	--	--	--	
8/11/1993	80.63	9.00	0	71.63	-0.31	--	--	--	--	--	--	--	--	
8/25/1993	80.63	9.07	0	71.56	-0.07	--	--	--	--	--	--	--	--	
9/8/1993	80.63	9.71	0	70.92	-0.64	--	--	--	--	--	--	--	--	
9/22/1993	80.63	9.25	0	71.38	0.46	--	--	--	--	--	--	--	--	
11/12/1993	80.63	9.00	--	71.63	0.25	--	--	--	--	--	--	--	--	
2/16/1994	80.63	7.82	0	72.81	1.18	--	--	--	--	--	--	--	--	
5/31/1994	80.63	8.81	0	71.82	-0.99	--	--	--	--	--	--	--	--	
8/31/1994	80.63	9.61	0	71.02	-0.80	--	--	--	--	--	--	--	--	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
11/10/1994	80.63	6.34	0	74.29	3.27	--	--	--	--	--	--	--	--	
2/7/1995	80.63	7.18	0	73.45	-0.84	--	--	--	--	--	--	--	--	
3/14/1995	80.63	6.01	0	74.62	1.17	--	--	--	--	--	--	--	--	
11/7/1995	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/15/2001	80.63	8.43	0	72.20	--	--	--	--	--	--	--	--	--	
11/23/2001	80.63	8.57	0	72.06	-0.14	--	--	--	--	--	--	--	--	
12/10/2001	80.63	8.51	0	72.12	0.06	--	--	--	--	--	--	--	--	
1/14/2002	80.63	8.13	0	72.50	0.38	--	--	--	--	--	--	--	--	
2/22/2002	80.63	6.18	0	74.45	1.95	--	--	--	--	--	--	--	--	
3/11/2002	80.63	6.31	0	74.32	-0.13	--	--	--	--	--	--	--	--	
4/15/2002	80.63	6.39	0	74.24	-0.08	--	--	--	--	--	--	--	--	
5/24/2002	80.63	8.14	0	72.49	-1.75	--	--	--	--	--	--	--	--	
6/17/2002	80.63	8.18	0	72.45	-0.04	--	--	--	--	--	--	--	--	
7/15/2002	80.63	8.29	0	72.34	-0.11	--	--	--	--	--	--	--	--	
8/19/2002	80.63	8.44	0	72.19	-0.15	--	--	--	--	--	--	--	--	
9/5/2002	80.63	8.47	0	72.16	-0.03	--	--	--	--	--	--	--	--	
10/7/2002	80.63	8.43	0	72.20	0.04	--	--	--	--	--	--	--	--	
11/29/2002	80.63	8.92	0	71.71	-0.49	--	--	--	--	--	--	--	--	
12/12/2002	80.63	8.87	0	71.76	0.05	--	--	--	--	--	--	--	--	
1/6/2003	80.63	8.66	0	71.97	0.21	--	--	--	--	--	--	--	--	
2/12/2003	80.63	8.39	0	72.24	0.27	--	--	--	--	--	--	--	--	
3/13/2003	80.63	8.06	0	72.57	0.33	--	--	--	--	--	--	--	--	
4/7/2003	80.63	8.09	0	72.54	-0.03	--	--	--	--	--	--	--	--	
5/15/2003	80.63	8.07	0	72.56	0.02	--	--	--	--	--	--	--	--	
6/12/2003	80.63	8.11	0	72.52	-0.04	--	--	--	--	--	--	--	--	
7/7/2003	80.63	8.13	0	72.50	-0.02	--	--	--	--	--	--	--	--	
8/14/2003	80.63	8.23	0	72.40	-0.10	--	--	--	--	--	--	--	--	
9/12/2003	80.63	8.29	0	72.34	-0.06	--	--	--	--	--	--	--	--	
11/4/2003	80.63	9.97	0	70.66	-1.68	--	2600	11	ND<10	ND<10	ND<20	--	210	
5/24/2004	80.63	8.31	0	72.32	1.66	--	3100	20	ND<5.0	16	ND<10	--	200	
11/29/2004	80.63	8.23	0	72.40	0.08	--	4500	46	ND<1.0	34	3.6	--	140	
6/24/2005	80.63	7.53	0	73.10	0.70	--	2000	20	0.87	50	3.0	--	56	
12/15/2005	80.63	8.11	0	72.52	-0.58	--	3300	37	0.70	35	4.7	--	44	
6/14/2006	80.63	7.41	0	73.22	0.70	--	1500	2.0	0.95	6.9	ND<1.0	--	21	
12/21/2006	80.63	7.78	0	72.85	-0.37	--	3100	21	0.65	56	5.4	--	27	
6/28/2007	80.63	9.09	0	71.54	-1.31	--	2800	46	0.96	44	2.6	--	65	
12/13/2007	80.63	9.21	0	71.42	-0.12	--	9100	190	2.1	400	81	--	30	
6/9/2008	80.63	9.30	0	71.33	-0.09	--	5400	23	ND<2.5	330	13	--	39	

Table 2
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-Water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
12/30/2008	80.63	8.23	0	72.40	1.07	--	5800	130	ND<2.5	270	58	--	22	
9/28/2009	80.63	9.10	0	71.53	-0.87	--	3400	3.8	ND<2.5	23	5.0	--	21	
12/15/2009	80.63	7.96	0	72.67	1.14	--	9100	18	ND<2.5	450	160	--	ND<2.5	
6/28/2010	80.63	8.68	0	71.95	-0.72	--	2300	20	1.0	56	ND<1.0	--	5.6	
12/29/2010	80.63	6.04	0	74.59	2.64	--	4100	9.3	1.3	6.8	ND<1.0	--	1.6	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
MW-1											
5/6/1996	--	--	--	--	--	--	--	--	4.13	5.21	
11/5/1996	--	--	--	--	--	--	--	--	--	3.12	
5/15/1997	--	--	--	--	--	--	--	--	--	3.92	
11/12/1997	--	--	--	--	--	--	--	--	--	4.16	
5/4/1998	--	--	--	--	--	--	--	--	--	3.84	
11/11/1998	--	--	--	--	--	--	--	--	--	2.85	
5/20/1999	ND	ND	--	--	--	ND	ND	ND	--	3.3	
11/15/1999	ND	ND	--	--	--	ND	ND	ND	--	--	
5/22/2000	130	ND	--	--	--	ND	ND	ND	--	--	
11/22/2000	--	--	--	--	--	ND	ND	ND	--	--	
5/15/2001	ND	ND	--	--	--	ND	ND	ND	--	--	
11/23/2001	ND<57	ND<1400	ND<2.9	--	ND<2.9	ND<2.9	ND<2.9	ND<2.9	--	--	
5/24/2002	ND<200	ND<1000	ND<4.0	--	ND<4.0	ND<4.0	ND<4.0	ND<4.0	--	--	
11/29/2002	ND<500	ND<2500	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--	
5/15/2003	ND<500	ND<2500	ND<10	--	ND<10	ND<10	ND<10	ND<10	--	--	
11/4/2003	ND<200	ND<1000	--	--	--	ND<4.0	ND<4.0	ND<4.0	--	--	
5/24/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
11/29/2004	--	ND<50	--	--	--	--	--	--	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-2											
8/19/1995	--	--	--	--	--	--	--	--	2.77	--	
5/15/1997	--	--	--	--	--	--	--	--	--	3.01	
11/12/1997	--	--	--	--	--	--	--	--	--	3.27	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
5/4/1998	--	--	--	--	--	--	--	--	--	3.63	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-3											
8/19/1995	--	--	--	--	--	--	--	--	2.06	--	
11/7/1995	--	--	--	--	--	--	--	--	1.68	--	
5/6/1996	--	--	--	--	--	--	--	--	3.4	3.18	
11/5/1996	--	--	--	--	--	--	--	--	--	2.03	
5/15/1997	--	--	--	--	--	--	--	--	--	3.08	
5/4/1998	--	--	--	--	--	--	--	--	--	2.98	
11/11/1998	--	--	--	--	--	--	--	--	--	2.22	
5/20/1999	--	--	--	--	--	--	--	--	--	2.6	
5/22/2000	ND	ND	--	--	--	ND	ND	ND	--	--	
11/22/2000	--	--	--	--	--	ND	ND	ND	--	--	
5/15/2001	ND	ND	--	--	--	ND	ND	ND	--	--	
11/23/2001	79	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--	
5/24/2002	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	
11/29/2002	ND<5000	ND<25000	ND<100	--	ND<100	ND<100	ND<100	ND<100	--	--	
5/15/2003	ND<1000	ND<5000	ND<20	--	ND<20	ND<20	ND<20	ND<20	--	--	
11/4/2003	ND<4000	ND<20000	--	--	--	ND<80	ND<80	ND<80	--	--	
5/24/2004	190	ND<1000	ND<10	--	ND<10	ND<20	ND<10	ND<10	--	--	
11/29/2004	--	ND<500	--	--	--	--	--	--	--	--	
6/24/2005	--	ND<10000	--	--	--	--	--	--	--	--	
12/15/2005	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	
6/14/2006	--	ND<1200	--	--	--	--	--	--	--	--	
12/21/2006	110	ND<1200	ND<2.5	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<500	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<1200	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
9/28/2009	--	ND<1200	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<1200	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-4											
8/19/1995	--	--	--	--	--	--	--	--	2.19	--	
11/7/1995	--	--	--	--	--	--	--	--	8.43	--	
5/6/1996	--	--	--	--	--	--	--	--	5.97	3.75	
11/5/1996	--	--	--	--	--	--	--	--	--	2.11	
5/15/1997	--	--	--	--	--	--	--	--	--	3.24	
11/12/1997	--	--	--	--	--	--	--	--	--	3.11	
5/4/1998	--	--	--	--	--	--	--	--	--	3.73	
11/11/1998	--	--	--	--	--	--	--	--	--	4.33	
5/20/1999	--	--	--	--	--	--	--	--	--	3.9	
5/24/2002	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	
11/29/2002	ND<100	ND<500	ND<2.0	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	
11/4/2003	--	ND<500	--	--	--	--	--	--	--	--	
5/24/2004	--	ND<50	--	--	--	--	--	--	--	--	
11/29/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-5											
8/19/1995	--	--	--	--	--	--	--	--	2.09	--	
11/7/1995	--	--	--	--	--	--	--	--	1.79	--	
5/6/1996	--	--	--	--	--	--	--	--	1.8	2.91	
11/5/1996	--	--	--	--	--	--	--	--	--	1.85	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
5/15/1997	--	--	--	--	--	--	--	--	--	2.1	
11/12/1997	--	--	--	--	--	--	--	--	--	1.98	
5/4/1998	--	--	--	--	--	--	--	--	--	1.69	
5/22/2000	ND	ND	--	--	--	ND	ND	ND	--	--	
6/24/2005	--	ND<50000	--	--	--	--	--	--	--	--	
12/15/2005	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	
6/14/2006	--	ND<6200	--	--	--	--	--	--	--	--	
12/21/2006	ND<500	ND<12000	ND<25	--	ND<25	ND<25	ND<25	ND<25	--	--	
MW-6											
5/15/1997	--	--	--	--	--	--	--	--	--	2.9	
5/4/1998	--	--	--	--	--	--	--	--	--	3.57	
11/4/2003	ND<100	ND<500	--	--	--	ND<2.0	ND<2.0	ND<2.0	--	--	
5/24/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
11/29/2004	--	ND<50	--	--	--	--	--	--	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-7											
5/15/1997	--	--	--	--	--	--	--	--	--	2.21	
5/4/1998	--	--	--	--	--	--	--	--	--	3.09	
11/4/2003	--	ND<500	--	--	--	--	--	--	--	--	
5/24/2004	ND<5.0	ND<50	ND<0.5	--	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	
11/29/2004	--	ND<50	--	--	--	--	--	--	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-8											
5/15/1997	--	--	--	--	--	--	--	--	--	2.88	
5/20/1999	ND	ND	--	--	--	ND	ND	ND	--	3.55	
11/15/1999	ND	ND	--	--	--	ND	ND	ND	--	--	
11/4/2003	ND<200	ND<1000	--	--	--	ND<4.0	ND<4.0	ND<4.0	--	--	
5/24/2004	ND<25	ND<250	ND<2.5	--	ND<2.5	ND<5.0	ND<2.5	ND<2.5	--	--	
11/29/2004	ND<100	ND<1000	ND<10	--	ND<10	ND<20	ND<10	ND<10	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	0.95	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	13	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-9											
5/6/1996	--	--	--	--	--	--	--	--	3.25	4.23	
11/5/1996	--	--	--	--	--	--	--	--	--	2.98	
5/15/1997	--	--	--	--	--	--	--	--	--	3.04	
11/12/1997	--	--	--	--	--	--	--	--	--	4.02	
5/4/1998	--	--	--	--	--	--	--	--	--	3.41	
11/11/1998	--	--	--	--	--	--	--	--	--	5.19	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
5/20/1999	--	--	--	--	--	--	--	--	--	4.46	
5/24/2004	29	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
11/29/2004	23	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	11	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-10											
5/15/1997	--	--	--	--	--	--	--	--	--	1.61	
5/4/1998	--	--	--	--	--	--	--	--	--	2.85	
11/4/2003	--	ND<500	--	--	--	--	--	--	--	--	
5/24/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
11/29/2004	6.1	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	--	ND<250	--	--	--	--	--	--	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-11											
5/15/1997	--	--	--	--	--	--	--	--	--	1.68	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
5/4/1998	--	--	--	--	--	--	--	--	--	2.94	
5/20/1999	--	--	--	--	--	--	--	--	--	3.22	
11/4/2003	--	ND<500	--	--	--	--	--	--	--	--	
5/24/2004	--	ND<50	--	--	--	--	--	--	--	--	
11/29/2004	--	ND<50	--	--	--	--	--	--	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	--	ND<250	--	--	--	--	--	--	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
MW-12											
5/15/1997	--	--	--	--	--	--	--	--	--	2.10	
5/4/1998	--	--	--	--	--	--	--	--	--	3.41	
11/4/2003	ND<100	ND<500	--	--	--	ND<2.0	ND<2.0	ND<2.0	--	--	
5/24/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
11/29/2004	ND<5.0	ND<50	ND<0.50	--	ND<0.50	ND<1.0	ND<0.50	ND<0.50	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	--	ND<250	--	--	--	--	--	--	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<250	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<250	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<250	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<250	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<250	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
RW-1											
11/7/1995	--	--	--	--	--	--	--	--	2.13	--	

Table 2a
ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 0746

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Comments
11/4/2003	ND<2000	ND<10000	--	--	--	ND<40	ND<40	ND<40	--	--	
5/24/2004	ND<50	ND<500	ND<5.0	--	ND<5.0	ND<10	ND<5.0	ND<5.0	--	--	
11/29/2004	38	ND<100	ND<1.0	--	ND<1.0	ND<2.0	ND<1.0	1.3	--	--	
6/24/2005	--	ND<1000	--	--	--	--	--	--	--	--	
12/15/2005	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/14/2006	--	ND<250	--	--	--	--	--	--	--	--	
12/21/2006	34	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
6/28/2007	--	ND<250	--	--	--	--	--	--	--	--	
12/13/2007	--	ND<500	--	--	--	--	--	--	--	--	
6/9/2008	--	ND<1200	--	--	--	--	--	--	--	--	
12/30/2008	--	ND<1200	--	--	--	--	--	--	--	--	
9/28/2009	--	ND<1200	--	--	--	--	--	--	--	--	
12/15/2009	--	ND<1200	--	--	--	--	--	--	--	--	
6/28/2010	--	ND<250	ND<0.50	--	ND<0.50	--	--	--	--	--	
12/29/2010	ND<10	ND<250	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	

ARCADIS

Attachment C

Laboratory Report and Chain-of-Custody Documentation

Date of Report: 01/07/2015

Kathy Brandt

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Client Project:	351647
BCL Project:	0746
BCL Work Order:	1430336
Invoice ID:	B192425, B192774

Enclosed are the results of analyses for samples received by the laboratory on 12/18/2014. 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

CHAIN OF CUSTODY FORM

Union Oil Company of California ■ 6101 Bollinger Canyon Road ■ San Ramon, CA 94583 14-303336 COC 1 of 1

Union Oil Site ID: 0746	Union Oil Consultant: ARCADIS
Site Global ID: T0600101471	Consultant Contact: KATHRINE BRANDT
Site Address: 3943 BROADWAY OAKLAND, CA	Consultant Phone No.:
Union Oil PM: NICOLE ARCENEAUX	Sampling Company: GETTLER RYAN INC
Union Oil PM Phone No.: (925) 790 6912	Sampled By (PRINT): GILBERT MEDINA
Charge Code: NWRTB-0 351647-0-LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

Special Instructions: RUN 8 OXYS BY 8260 ON ALL 8260 MTBE HITS

SAMPLE ID						ANALYSES REQUIRED											
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [redacted] (C6-C12) (8015B)	BTEX/MTBE [redacted] by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)						Notes / Comments
QA	W-S-A	-1	141217	—	2		X	X									
MW-1	W-S-A	-2		0555	6				X		X						
MW-2	W-S-A	-3		0500													
MW-3	W-S-A	-4		0743													
MW-4	W-S-A	-5		0840													
MW-6	W-S-A	-6		0415													
MW-7	W-S-A	-7		0645													
MW-10	W-S-A	-8		1249													
MW-11	W-S-A	-9		1153													
MW-12	W-S-A	-10		1100													
RW-1	W-S-A	-11		0950													
	W-S-A																

CHK BY MW1 DISTRIBUTION SUB-OUT

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
	GRINC	12/18/14 1200	Hany Bogan	BCLAB	12-18-14 1830	[redacted]	BCLAB	12-18-14 2236
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
Hany Bogan	BCLab	12-18-14 1205	[redacted]	BCLAB	12-18-14 18:30		BCLABS	12-18-14 2236

Chain of Custody and Cooler Receipt Form for 1430336 Page 2 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 Of 2

Submission #: 14-30336

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
Temperature: (A) 1.1 °C / (C) 1.3 °C
Date/Time 12/18/14
Analyst Init KJB 2255

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	AB									
40ml VOA VIAL		ABCDEF	ABCDEF	ABCDEF	ABCDEF	ABCDEF	ABCDEF	ABCDEF	ABCDEF	ABCDEF
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										
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: AW Date/Time: 12/19/14 @ 0720 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]
A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1430336 Page 3 of 3

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

Submission #: 14-30336

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 12/18/14

Temperature: (A) 1.1 °C / (C) 1.3 °C Analyst Init KJB 2255

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	ABCDEF									
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										
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: MW Date/Time: 12/19/14 @ 0720 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

A = Actual / C = Corrected

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1430336-01	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 00:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	QA-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Trip Blank
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): QA
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1430336-02	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 05:55
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1430336-03	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 05:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-2-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1430336-04	**COC Number:**	---	**Receive Date:**	12/18/2014 22:36
	Project Number:	0746	**Sampling Date:**	12/17/2014 07:43
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3-W-141217	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1430336-05	**COC Number:**	---	**Receive Date:**	12/18/2014 22:36
	Project Number:	0746	**Sampling Date:**	12/17/2014 08:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4-W-141217	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1430336-06	**COC Number:**	---	**Receive Date:**	12/18/2014 22:36
	Project Number:	0746	**Sampling Date:**	12/17/2014 04:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6-W-141217	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-6	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1430336-07	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 06:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-7-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1430336-08	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 12:49
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-10-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-10
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1430336-09	**COC Number:**	---	**Receive Date:** 12/18/2014 22:36
	Project Number:	0746	**Sampling Date:** 12/17/2014 11:53
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-11-W-141217	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101471
			Location ID (FieldPoint): MW-11
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1430336-10	**COC Number:**	---	**Receive Date:**	12/18/2014 22:36
	Project Number:	0746	**Sampling Date:**	12/17/2014 11:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-12-W-141217	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): MW-12	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1430336-11	**COC Number:**	---	**Receive Date:**	12/18/2014 22:36
	Project Number:	0746	**Sampling Date:**	12/17/2014 09:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	RW-1-W-141217	**Lab Matrix:**	Water
	Sampled By:	GRD	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101471	
			Location ID (FieldPoint): RW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-01 | **Client Sample Name:** 0746, QA-W-141217, 12/17/2014 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.1	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 15:31	JMS	HPCHEM	1	BXL2224

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-01 | **Client Sample Name:** 0746, QA-W-141217, 12/17/2014 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/22/14 20:09	SE1	GC-V9	1	BXL2019

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-02 | **Client Sample Name:** 0746, MW-1-W-141217, 12/17/2014 5:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**50**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**14**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**0.89**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	**8.2**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Total Xylenes	**230**	**ug/L**	**2.0**		**EPA-8260B**	ND	**A01**	2
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	**1100**	**ug/L**	**50**		**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	95.0	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	104	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	95.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.4	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 18:45	JMS	HPCHEM	1	BXL2224
2	EPA-8260B	12/24/14	12/27/14 10:54	JMS	HPCHEM	2	BXL2224

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-02 | **Client Sample Name:** 0746, MW-1-W-141217, 12/17/2014 5:55:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**1200**	**ug/L**	**50**		**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/22/14 21:50	SE1	GC-V9	1	BXL2019

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-03 | **Client Sample Name:** 0746, MW-2-W-141217, 12/17/2014 5:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.80**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**0.68**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/26/14 18:40	JMS	HPCHEM	1	BXL2224

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-03 | **Client Sample Name:** 0746, MW-2-W-141217, 12/17/2014 5:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	94.3	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/22/14 22:11	SE1	GC-V9	1	BXL2019

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-04 | **Client Sample Name:** 0746, MW-3-W-141217, 12/17/2014 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**35**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**56**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**15**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	**4.7**	**ug/L**	**1.0**		**EPA-8260B**	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	**8700**	**ug/L**	**50**		**Luft-GC/MS**	ND	**S01**	1
1,2-Dichloroethane-d4 (Surrogate)	87.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	110	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 19:58	JMS	HPCHEM	1	BXL2224

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-04 | **Client Sample Name:** 0746, MW-3-W-141217, 12/17/2014 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**5900**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	119	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 07:03	SE1	GC-V9	10	BXL2019

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-05 | **Client Sample Name:** 0746, MW-4-W-141217, 12/17/2014 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**4.5**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	**9.1**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Methyl t-butyl ether	**0.55**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	**1900**	**ug/L**	**50**		**Luft-GC/MS**	ND		1
1,2-Dichloroethane-d4 (Surrogate)	87.5	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 19:33	JMS	HPCHEM	1	BXL2224

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-05 | **Client Sample Name:** 0746, MW-4-W-141217, 12/17/2014 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**1800**	**ug/L**	**500**		**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	104	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 07:23	SE1	GC-V9	10	BXL2019

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-06 | **Client Sample Name:** 0746, MW-6-W-141217, 12/17/2014 4:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 16:19	JMS	HPCHEM	1	BXL2224

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-06 | **Client Sample Name:** 0746, MW-6-W-141217, 12/17/2014 4:15:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	87.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 03:39	SE1	GC-V9	1	BXL2019

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-07 | **Client Sample Name:** 0746, MW-7-W-141217, 12/17/2014 6:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 16:44	JMS	HPCHEM	1	BXL2224

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-07 | **Client Sample Name:** 0746, MW-7-W-141217, 12/17/2014 6:45:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	88.8	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 03:59	SE1	GC-V9	1	BXL2019

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-08 | **Client Sample Name:** 0746, MW-10-W-141217, 12/17/2014 12:49:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.2	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	95.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 17:08	JMS	HPCHEM	1	BXL2224

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-08 | **Client Sample Name:** 0746, MW-10-W-141217, 12/17/2014 12:49:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	85.4	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 05:42	SE1	GC-V9	1	BXL2019

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-09 | **Client Sample Name:** 0746, MW-11-W-141217, 12/17/2014 11:53:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.5	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 17:32	JMS	HPCHEM	1	BXL2224

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-09 | **Client Sample Name:** 0746, MW-11-W-141217, 12/17/2014 11:53:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	88.9	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 06:02	SE1	GC-V9	1	BXL2019

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-10 | **Client Sample Name:** 0746, MW-12-W-141217, 12/17/2014 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	**0.55**	**ug/L**	**0.50**		**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 17:56	JMS	HPCHEM	1	BXL2224

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Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-10 | **Client Sample Name:** 0746, MW-12-W-141217, 12/17/2014 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	96.6	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 06:22	SE1	GC-V9	1	BXL2019

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1430336-11 | **Client Sample Name:** 0746, RW-1-W-141217, 12/17/2014 9:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50		EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260B	ND		1
Toluene	ND	ug/L	0.50		EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0		EPA-8260B	ND		1
Ethanol	ND	ug/L	250		EPA-8260B	ND		1
Total Purgeable Petroleum Hydrocarbons (C6-C12)	ND	ug/L	50		Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.5	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	94.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	12/24/14	12/24/14 18:21	JMS	HPCHEM	1	BXL2224

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Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1430336-11 | **Client Sample Name:** 0746, RW-1-W-141217, 12/17/2014 9:50:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	ND	ug/L	50		EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.4	%	70 - 130 (LCL - UCL)		EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	12/22/14	12/23/14 06:42	SE1	GC-V9	1	BXL2019

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

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: BXL2224						
Benzene	BXL2224-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXL2224-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXL2224-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXL2224-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXL2224-BLK1	ND	ug/L	0.50		
Toluene	BXL2224-BLK1	ND	ug/L	0.50		
Total Xylenes	BXL2224-BLK1	ND	ug/L	1.0		
Ethanol	BXL2224-BLK1	ND	ug/L	250		
Total Purgeable Petroleum Hydrocarbons (C6-(	BXL2224-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	**BXL2224-BLK1**	**96.6**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXL2224-BLK1**	**94.6**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXL2224-BLK1**	**95.7**	%	**80 - 120 (LCL - UCL)**		

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Project: 0746
Project Number: 351647
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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXL2224										
Benzene	BXL2224-BS1	LCS	25.990	25.000	ug/L	104		70 - 130		
Toluene	BXL2224-BS1	LCS	26.080	25.000	ug/L	104		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXL2224-BS1	LCS	9.6000	10.000	ug/L	96.0		75 - 125		
Toluene-d8 (Surrogate)	BXL2224-BS1	LCS	9.8200	10.000	ug/L	98.2		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXL2224-BS1	LCS	9.8400	10.000	ug/L	98.4		80 - 120		

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

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: BXL2224	Used client sample: N										
Benzene	MS	1429703-01	ND	22.280	25.000	ug/L		89.1		70 - 130	
	MSD	1429703-01	ND	24.730	25.000	ug/L	10.4	98.9	20	70 - 130	
Toluene	MS	1429703-01	ND	23.160	25.000	ug/L		92.6		70 - 130	
	MSD	1429703-01	ND	25.960	25.000	ug/L	11.4	104	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1429703-01	ND	9.4900	10.000	ug/L		94.9		75 - 125	
	MSD	1429703-01	ND	9.6100	10.000	ug/L	1.3	96.1		75 - 125	
Toluene-d8 (Surrogate)	MS	1429703-01	ND	9.5000	10.000	ug/L		95.0		80 - 120	
	MSD	1429703-01	ND	9.6300	10.000	ug/L	1.4	96.3		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1429703-01	ND	9.7700	10.000	ug/L		97.7		80 - 120	
	MSD	1429703-01	ND	9.7500	10.000	ug/L	0.2	97.5		80 - 120	

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Emeryville, CA 94608

Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

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: BXL2019						
Gasoline Range Organics (C6 - C12)	BXL2019-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BXL2019-BLK1**	**90.4**	%	**70 - 130 (LCL - UCL)**		

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Reported: 01/07/2015 13:19
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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: BXL2019										
Gasoline Range Organics (C6 - C12)	BXL2019-BS1	LCS	867.71	1000.0	ug/L	86.8		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXL2019-BS1	LCS	34.039	40.000	ug/L	85.1		70 - 130		

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Reported: 01/07/2015 13:19
Project: 0746
Project Number: 351647
Project Manager: Kathy Brandt

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: BXL2019	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1428224-33	ND	854.37	1000.0	ug/L		85.4		70 - 130	
	MSD	1428224-33	ND	862.75	1000.0	ug/L	1.0	86.3	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1428224-33	ND	34.236	40.000	ug/L		85.6		70 - 130	
	MSD	1428224-33	ND	35.589	40.000	ug/L	3.9	89.0		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.
S01	Sample result is not within the quantitation range of the method.

Raw data for Final Report of Work Order 1430336

Table of Contents

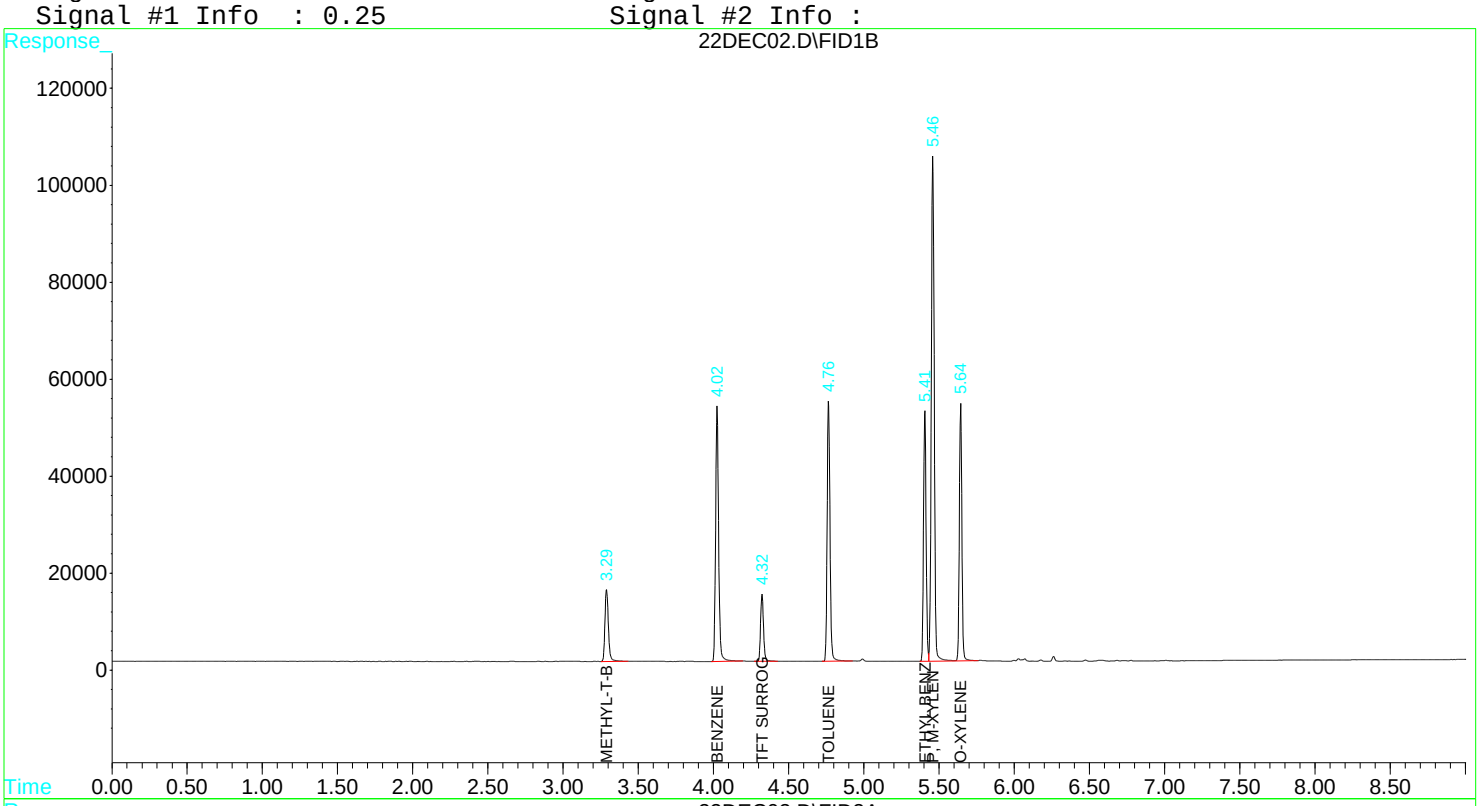
Raw Data - Method EPA-8015B

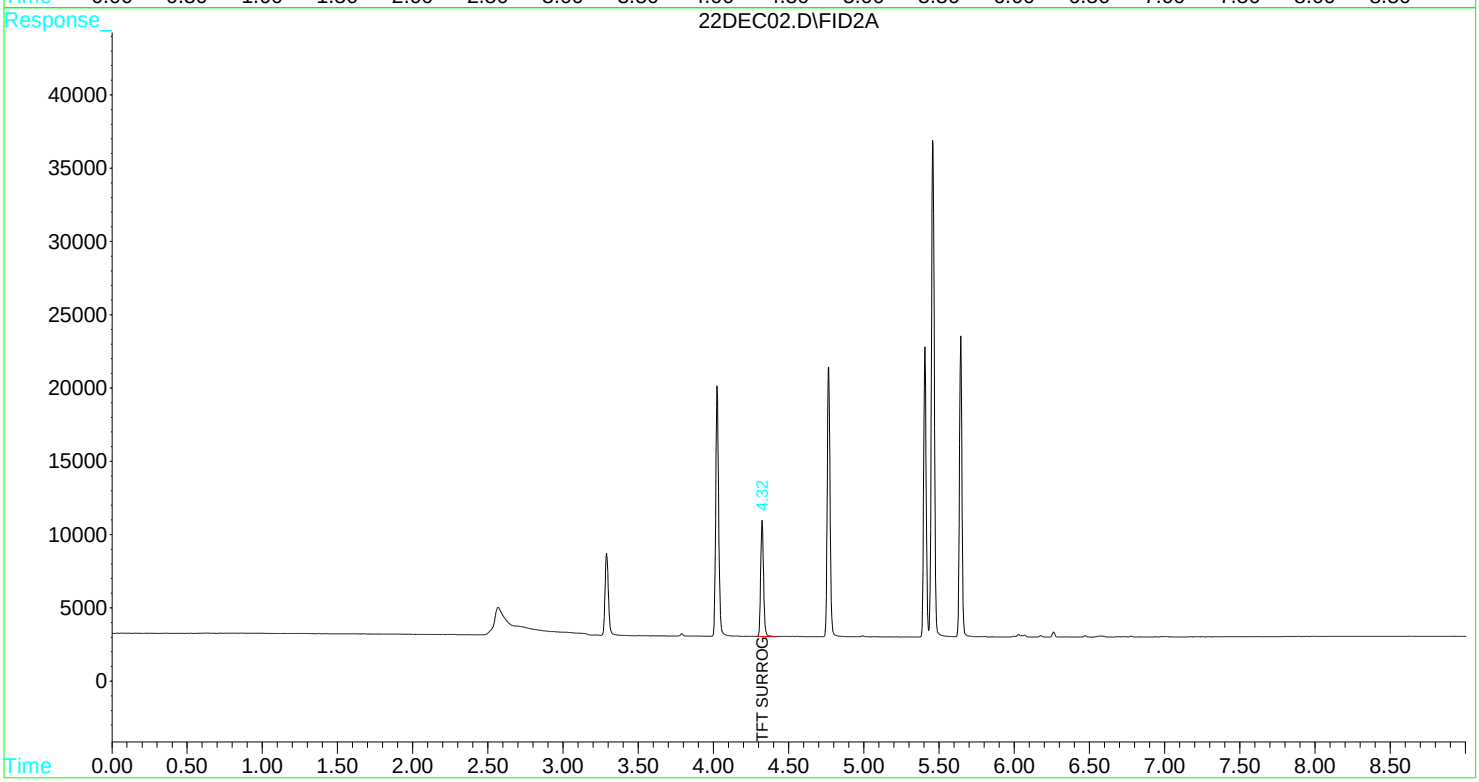
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC02.D\FID1B.CH Vial: 2
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC02.D\FID2A.CH
Acq On : 22 Dec 2014 9:15 am Operator: SE1
Sample : 1418921-ccv1 Inst : GC-V9
Misc : btex 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:09 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



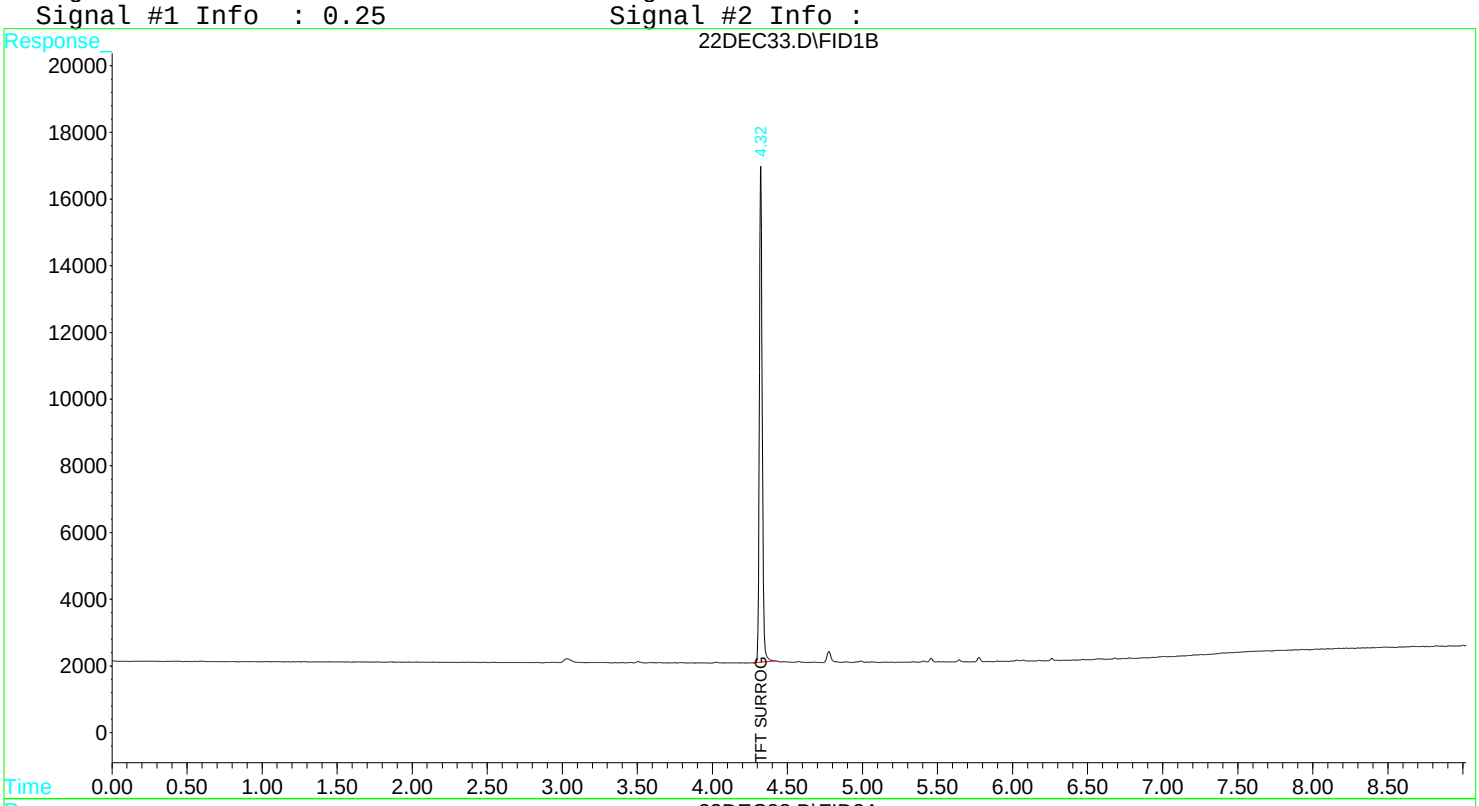


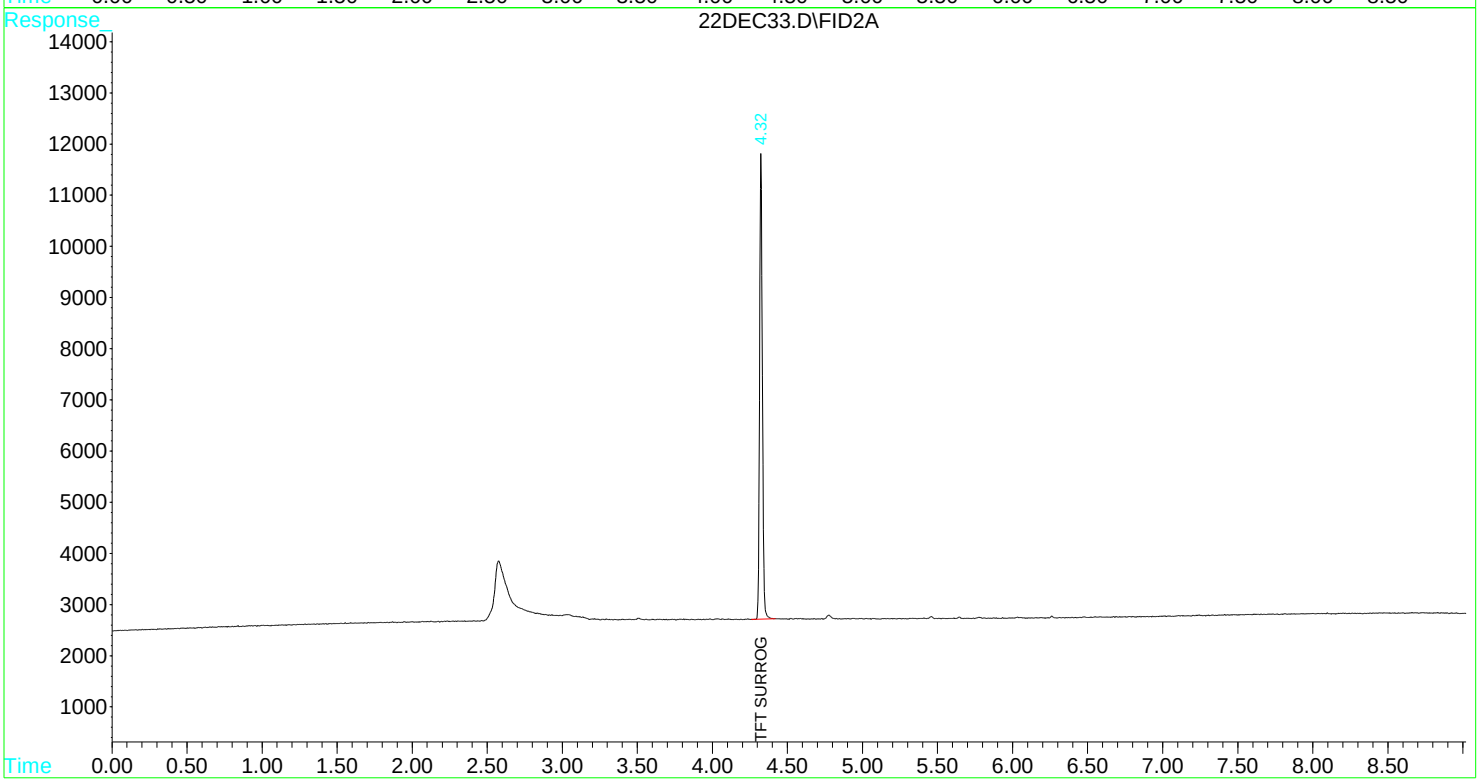
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC33.D\FID1B.CH Vial: 33
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC33.D\FID2A.CH
Acq On : 22 Dec 2014 8:09 pm Operator: SE1
Sample : 1430336-01 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:23 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



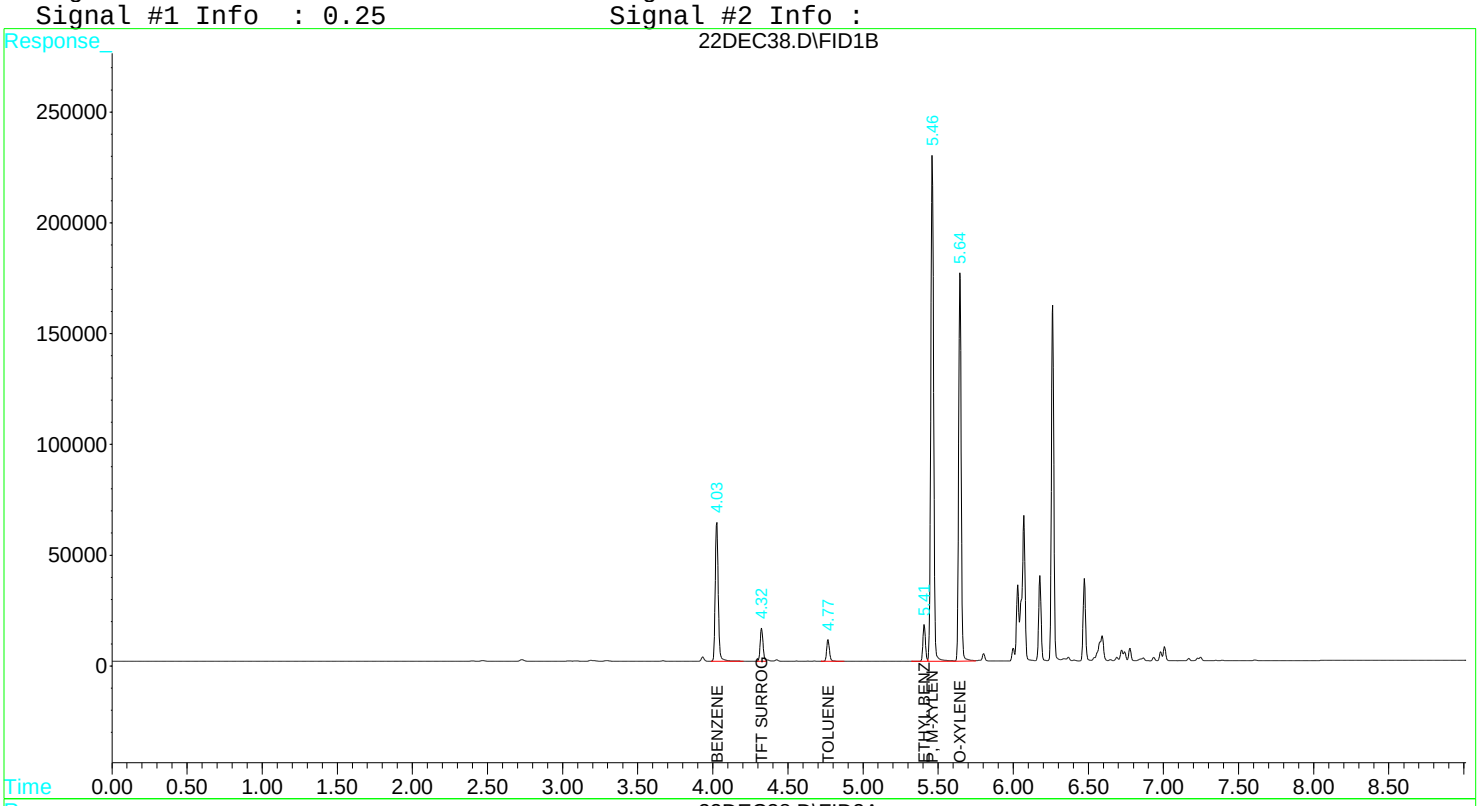


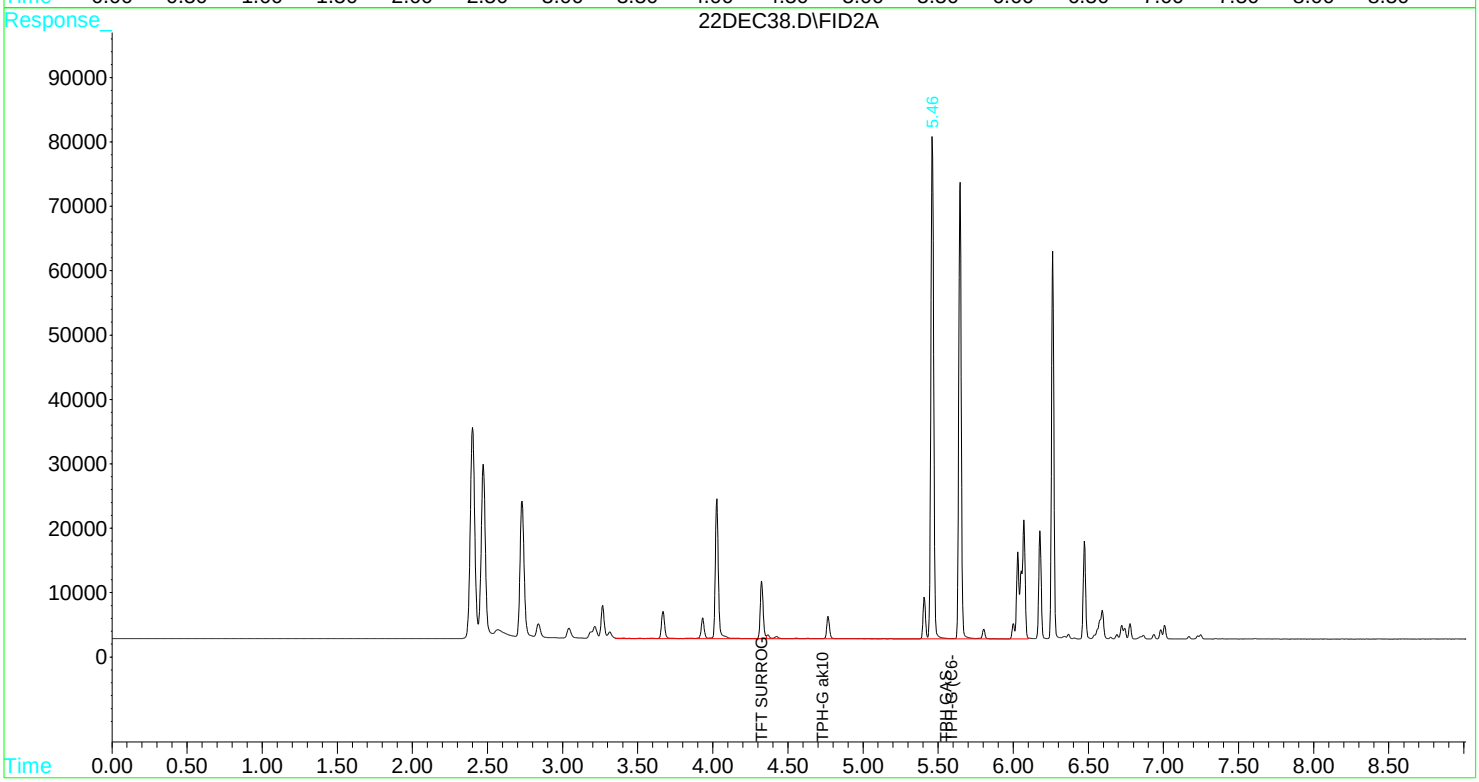
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC38.D\FID1B.CH Vial: 38
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC38.D\FID2A.CH
Acq On : 22 Dec 2014 9:50 pm Operator: SE1
Sample : 1430336-02 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 22 21:59 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :





Quantitation Report (QT Reviewed)

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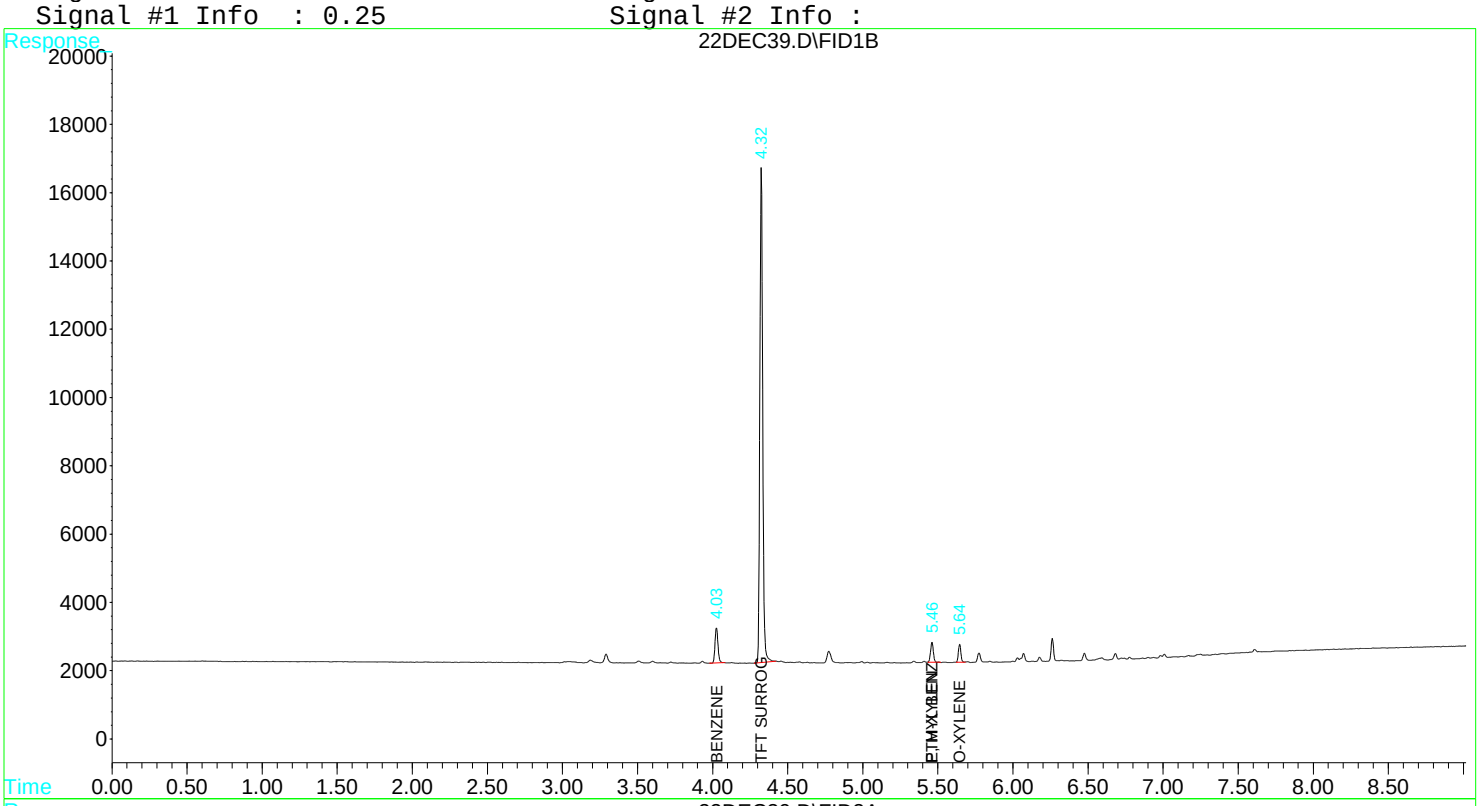
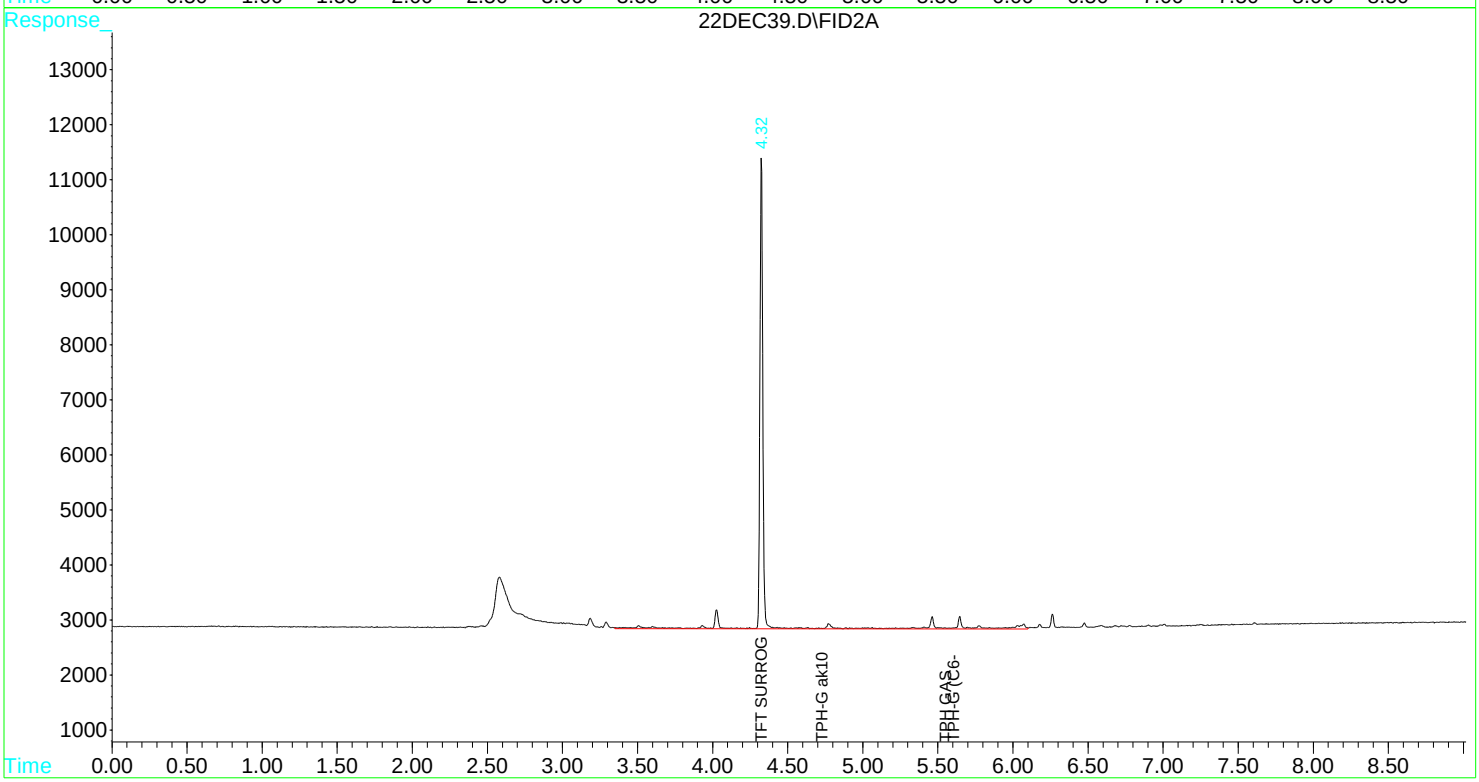
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC39.D\FID2A.CH
Acq On : 22 Dec 2014 10:11 pm Operator: SE1
Sample : 1430336-03 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 22 22:20 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



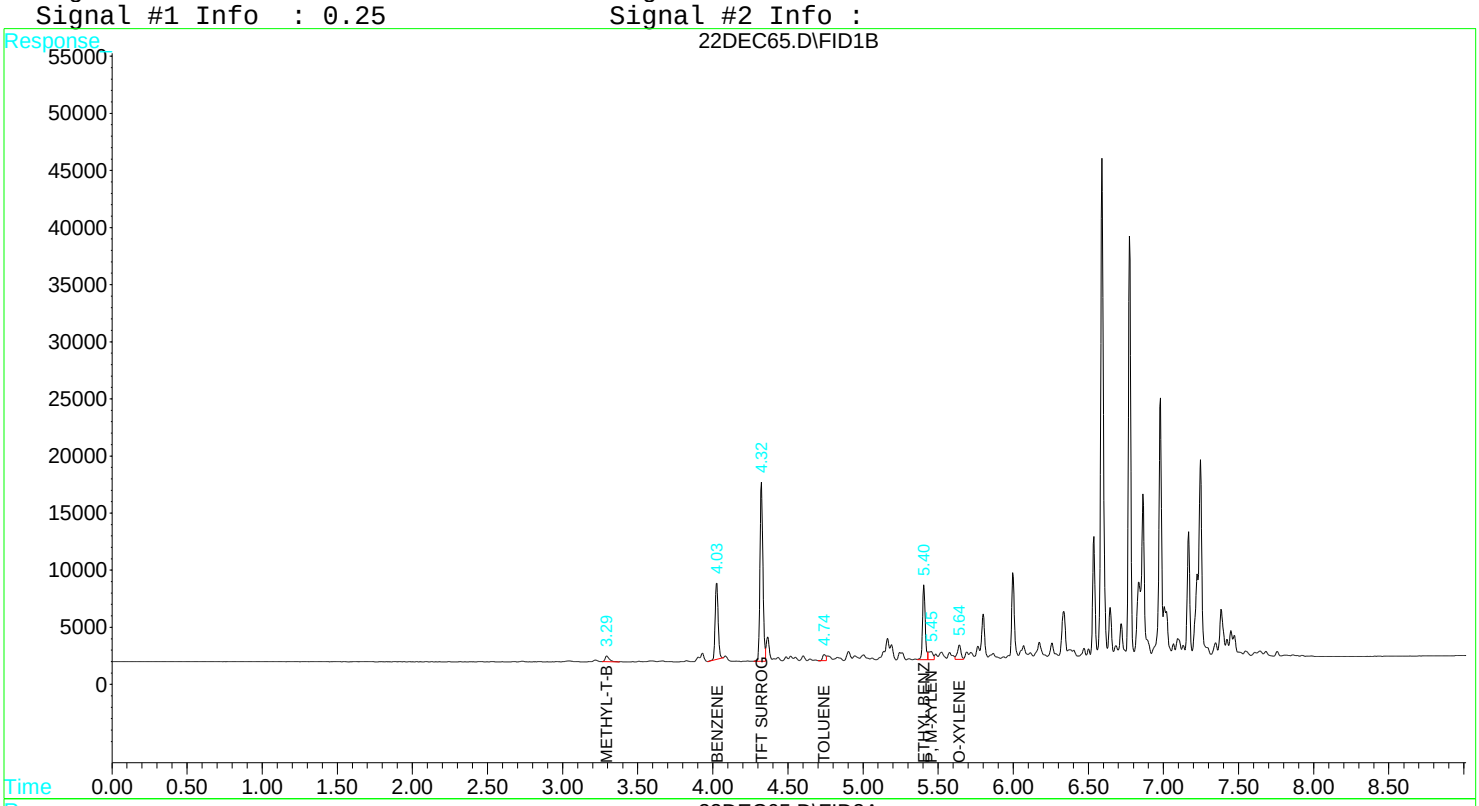


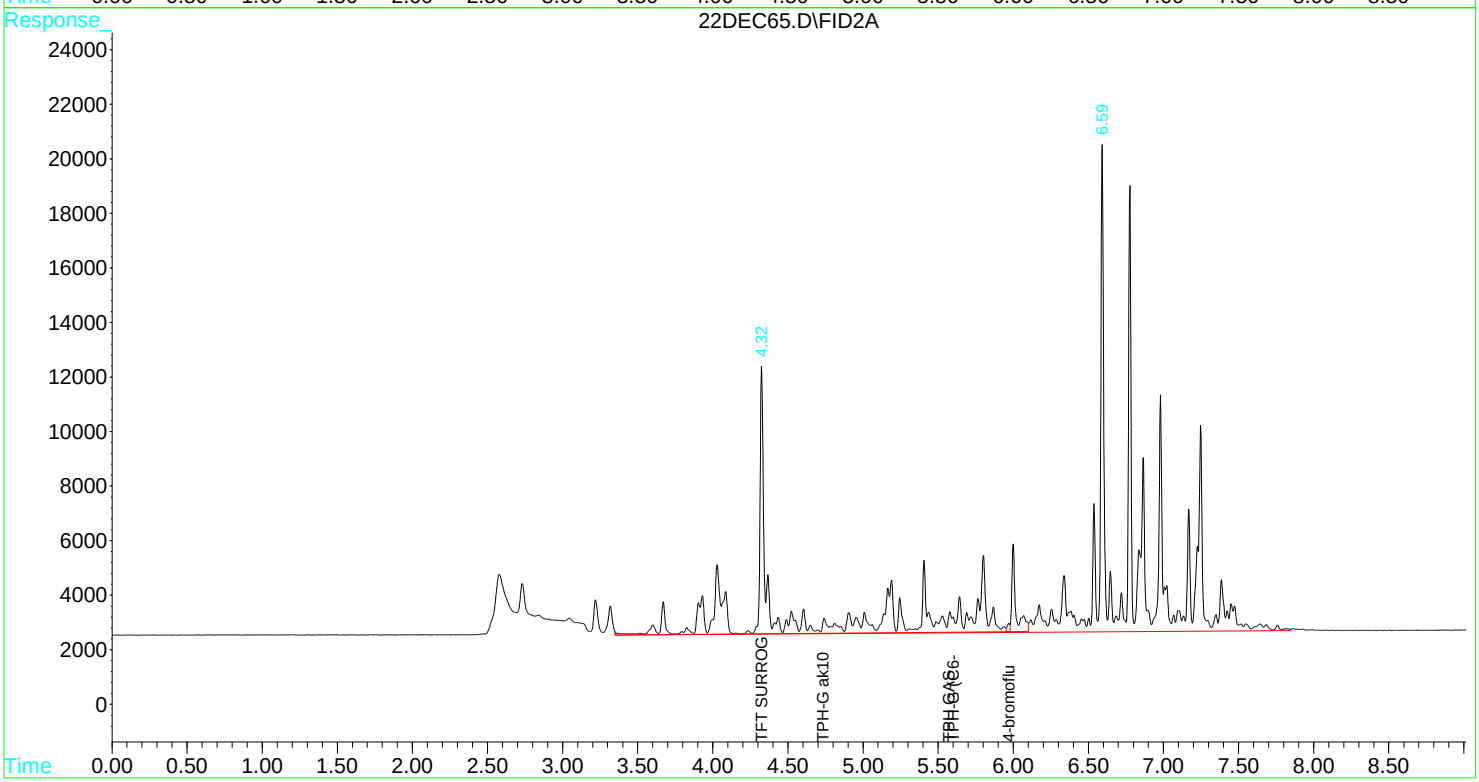
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC65.D\FID1B.CH Vial: 65
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC65.D\FID2A.CH
Acq On : 23 Dec 2014 7:03 am Operator: SE1
Sample : 1430336-04 Inst : GC-V9
Misc : 10 Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 7:12 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



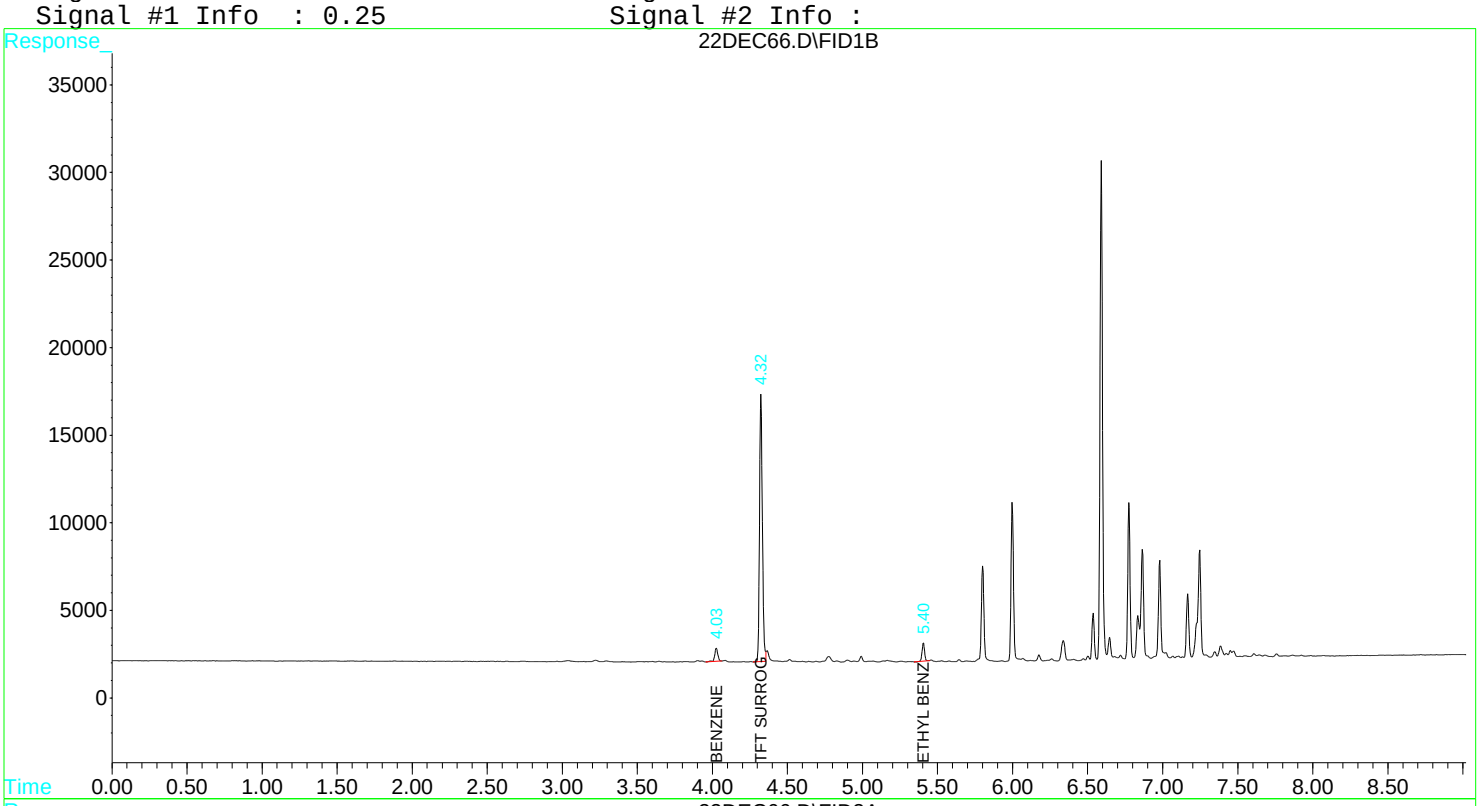


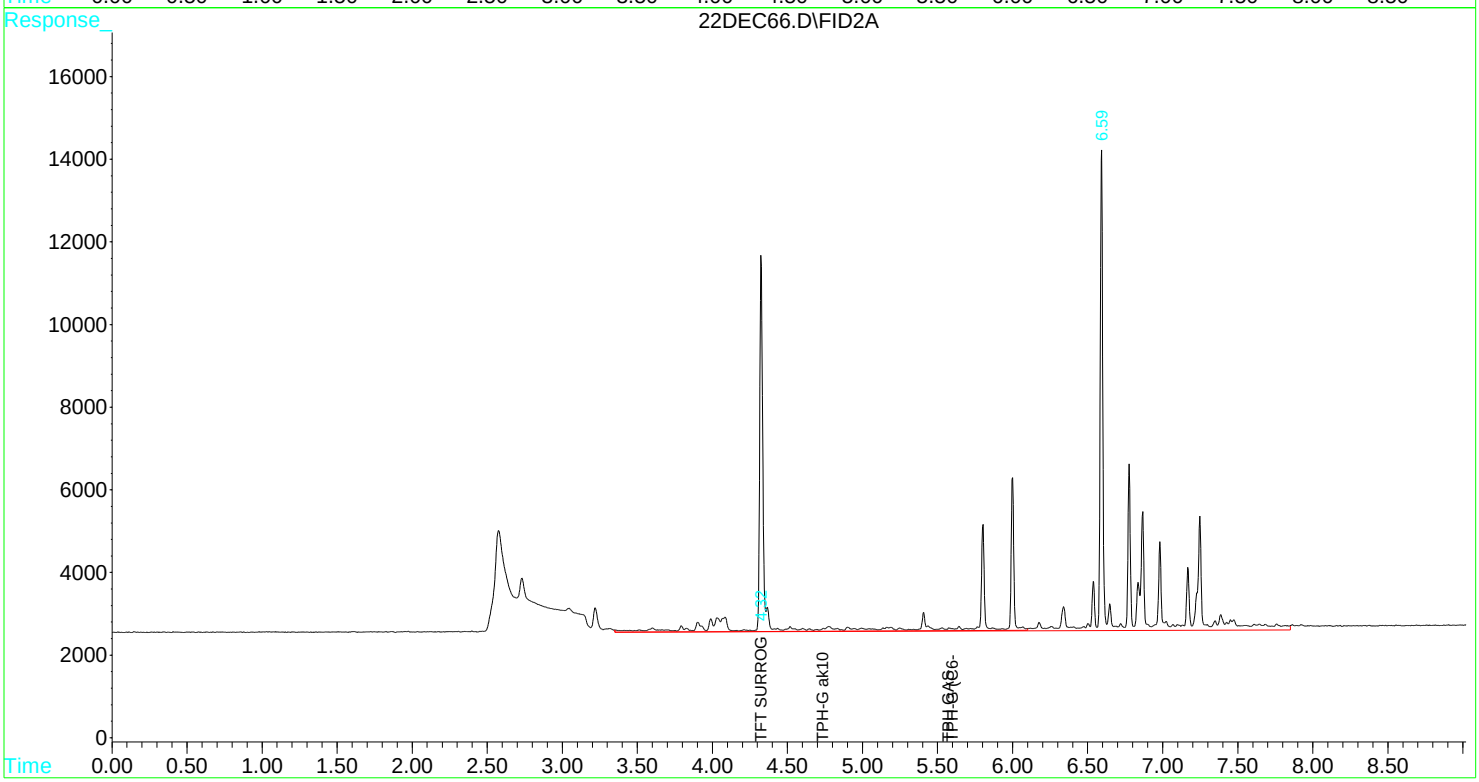
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC66.D\FID1B.CH Vial: 66
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC66.D\FID2A.CH
Acq On : 23 Dec 2014 7:23 am Operator: SE1
Sample : 1430336-05 Inst : GC-V9
Misc : 10 Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 7:32 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



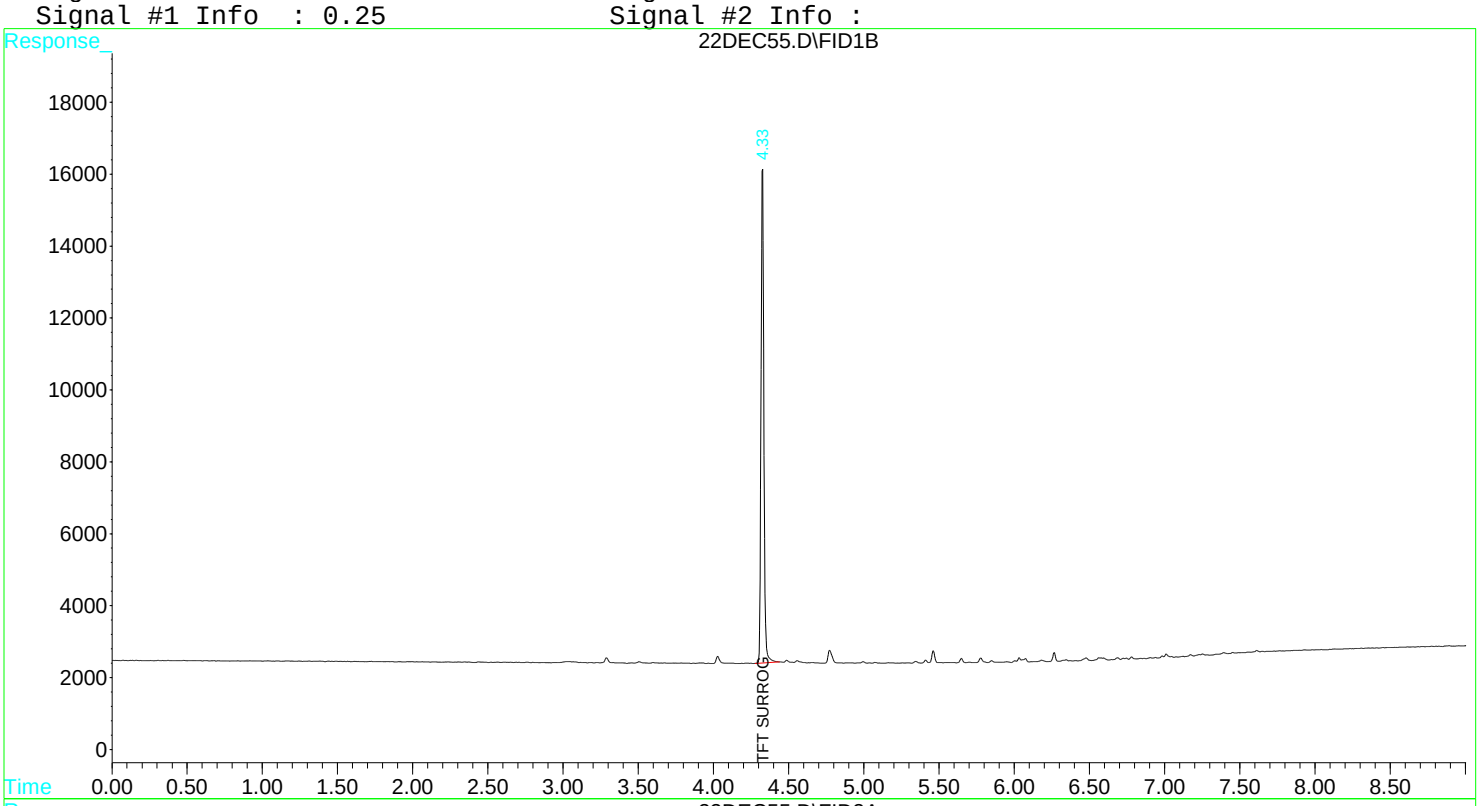


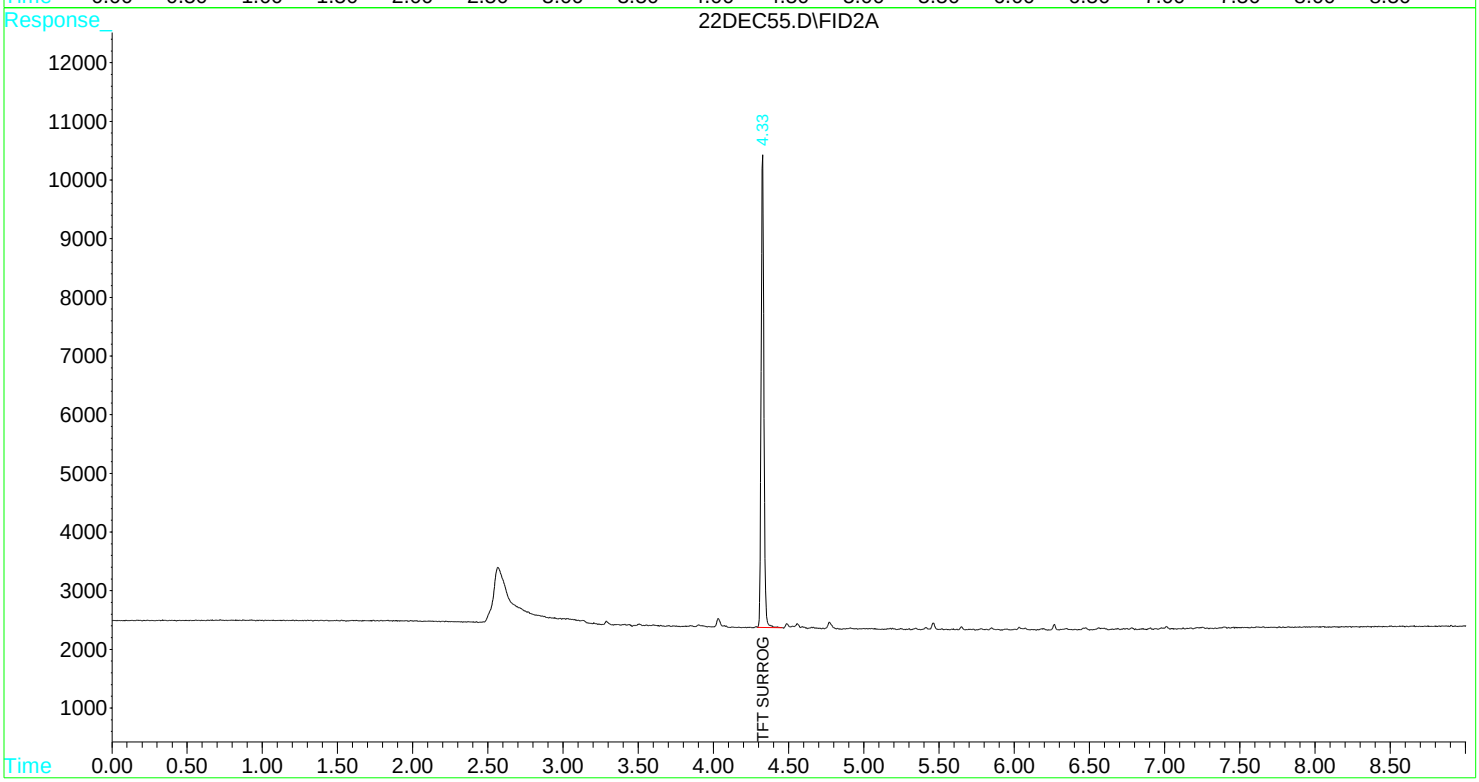
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC55.D\FID1B.CH Vial: 55
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC55.D\FID2A.CH
Acq On : 23 Dec 2014 3:39 am Operator: SE1
Sample : 1430336-06 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:41 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :





Quantitation Report (QT Reviewed)

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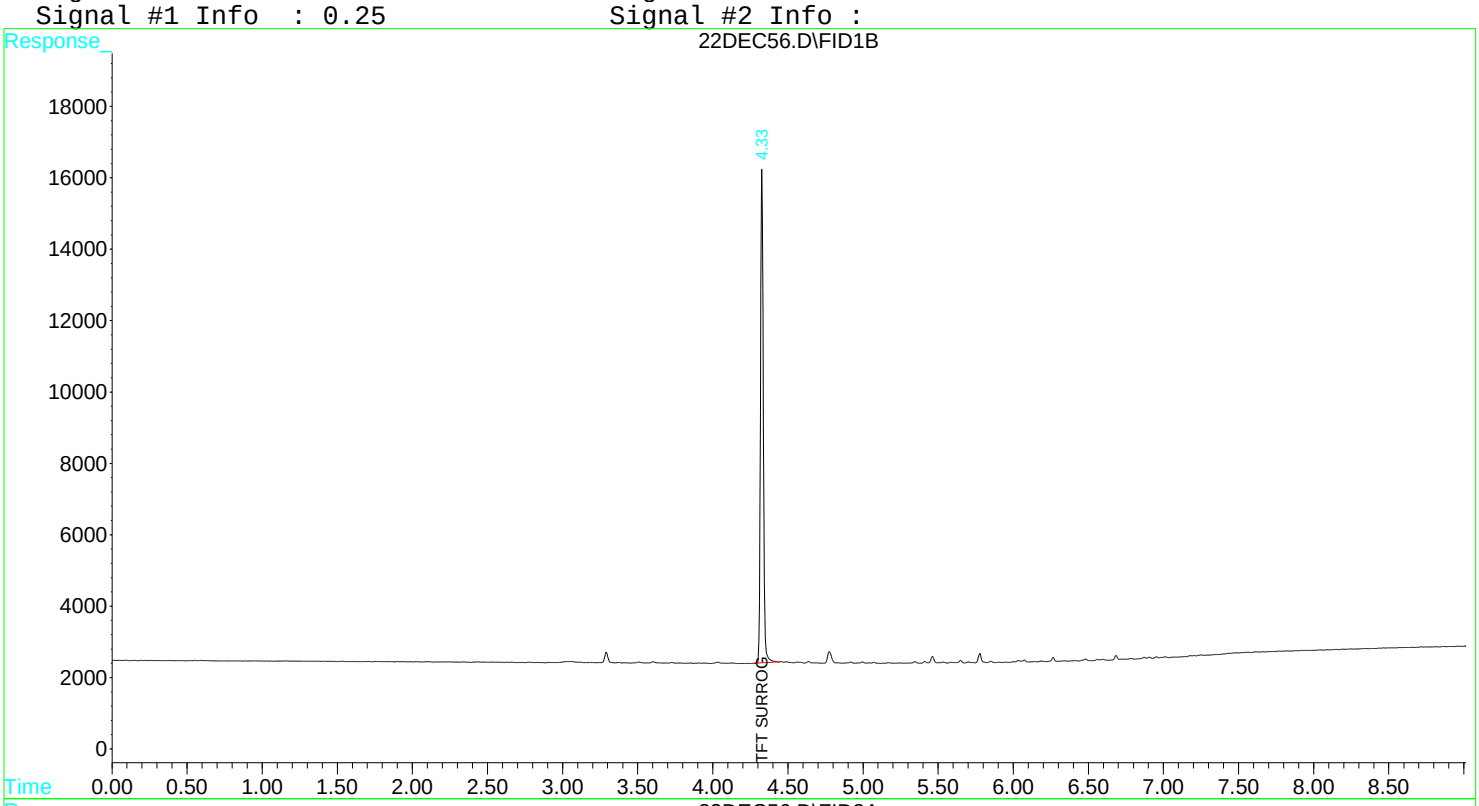
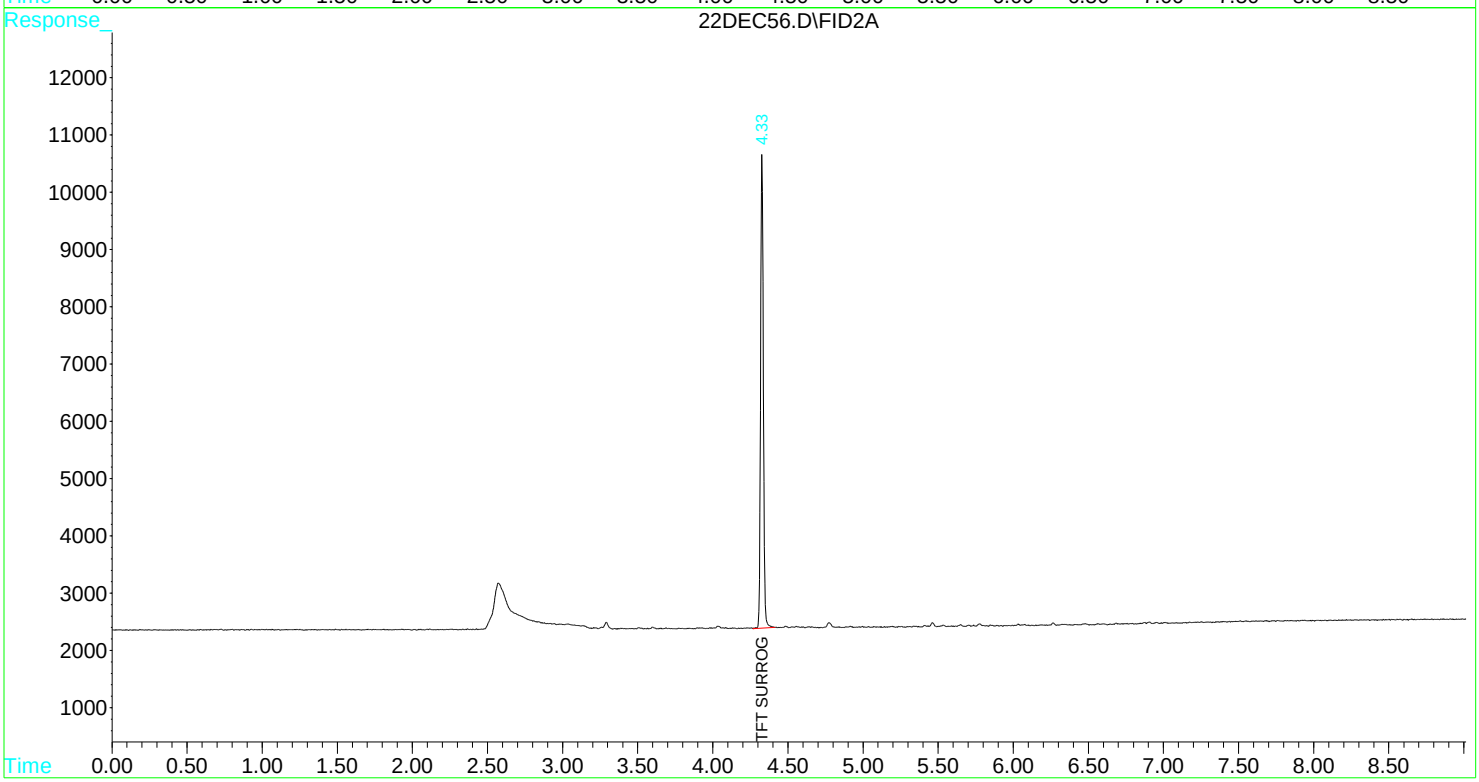
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC56.D\FID2A.CH
Acq On : 23 Dec 2014 3:59 am Operator: SE1
Sample : 1430336-07 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:41 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



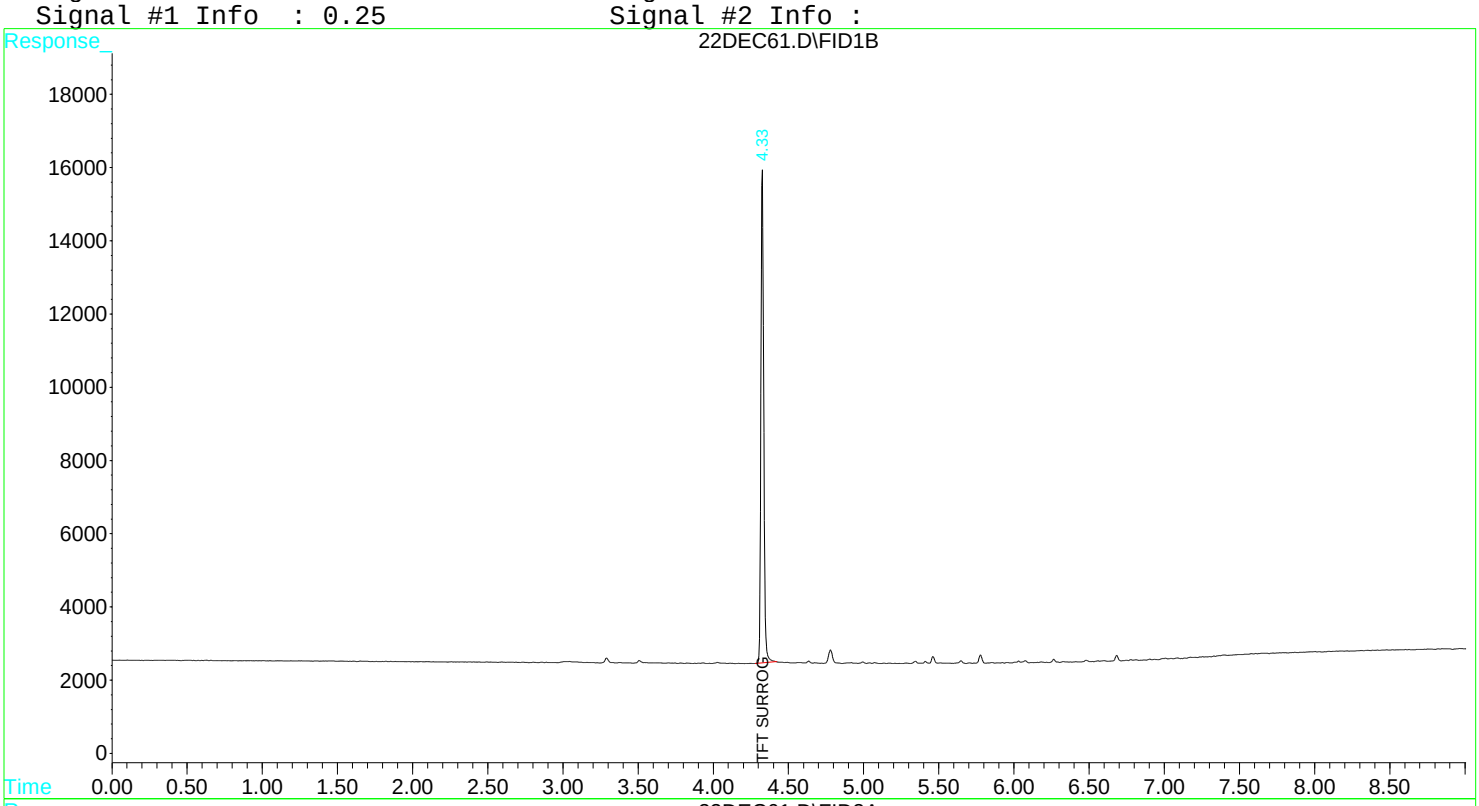


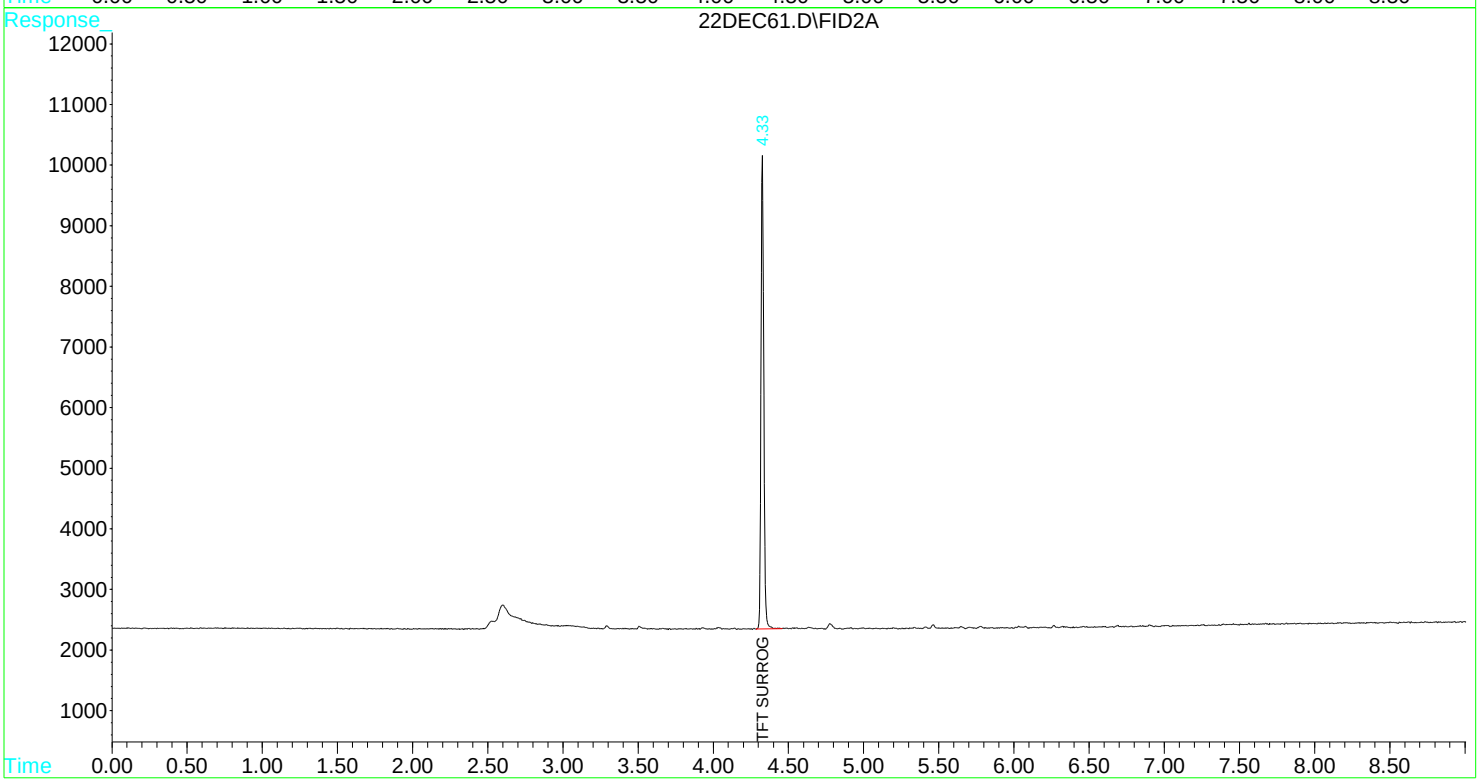
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC61.D\FID1B.CH Vial: 61
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC61.D\FID2A.CH
Acq On : 23 Dec 2014 5:42 am Operator: SE1
Sample : 1430336-08 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:44 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :





Quantitation Report (QT Reviewed)

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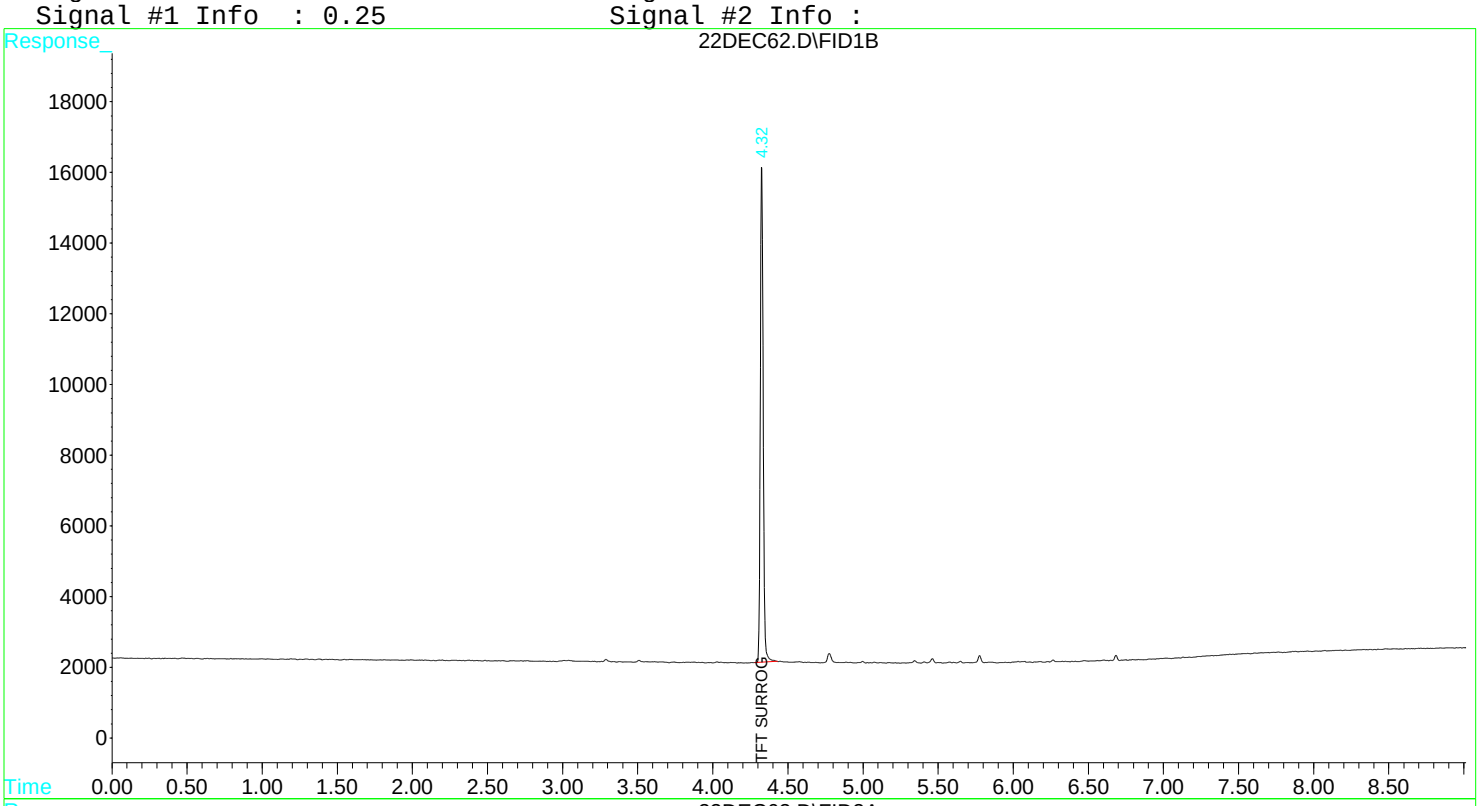
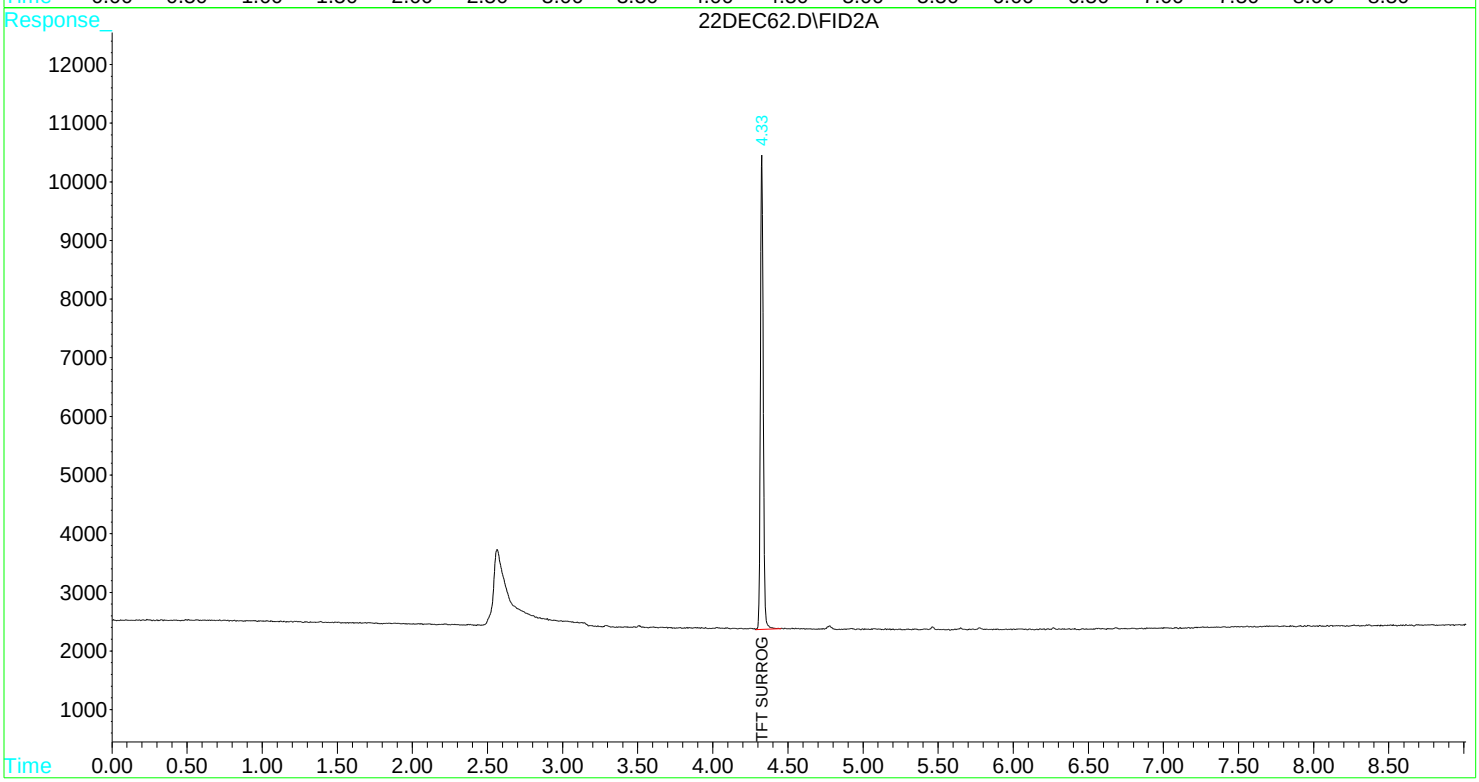
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC62.D\FID2A.CH
Acq On : 23 Dec 2014 6:02 am Operator: SE1
Sample : 1430336-09 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:44 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :



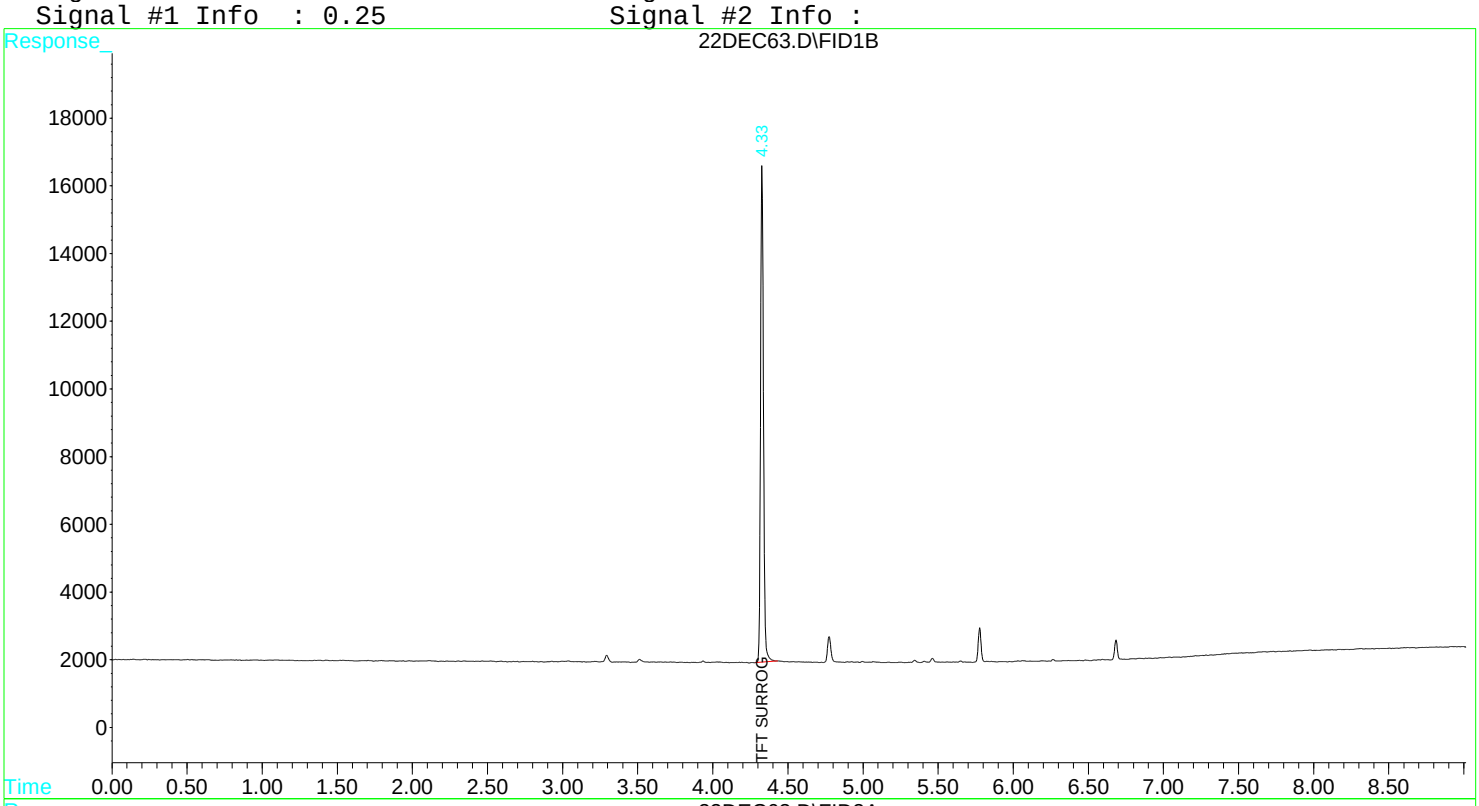


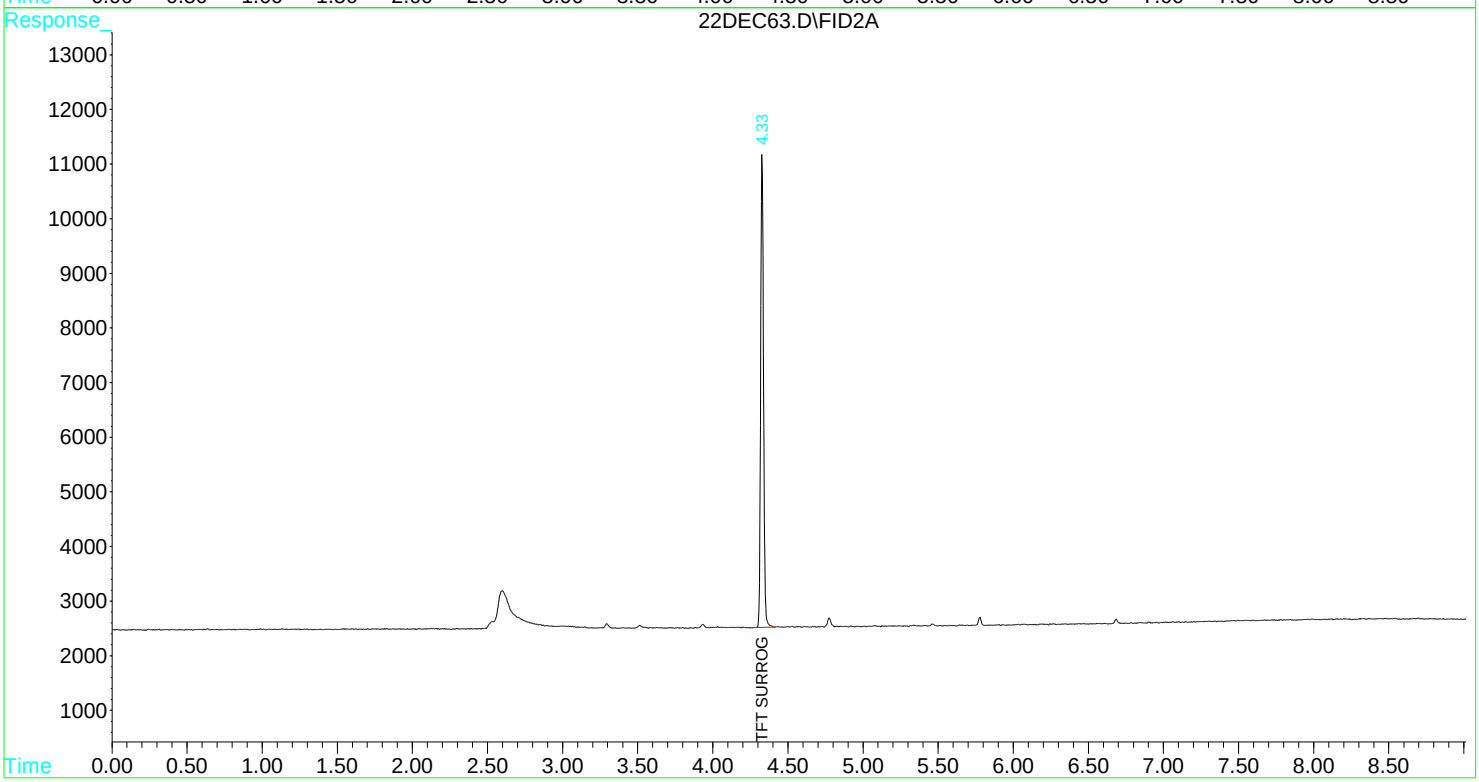
Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC63.D\FID1B.CH Vial: 63
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC63.D\FID2A.CH
Acq On : 23 Dec 2014 6:22 am Operator: SE1
Sample : 1430336-10 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:44 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC64.D\FID1B.CH Vial: 64
Signal #2 : D:\DATA\GC-V9\2014\DEC.14\DEC.22\22DEC64.D\FID2A.CH
Acq On : 23 Dec 2014 6:42 am Operator: SE1
Sample : 1430336-11 Inst : GC-V9
Misc : Arcadis 5mL Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Dec 23 12:45 2014 Quant Results File: GCV9BTXW.RES

Quant Method : C:\HPCHEM\1\METHODS\GCV9BTXW.M (Chemstation Integrator)
Title : EPA 8020 / 8021 / 8015-TPH GAS
Last Update : Wed Nov 19 08:10:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : GCV9BTXW.M

Volume Inj. : 5mls
Signal #1 Phase : Rxi- 624 sil MS Signal #2 Phase:
Signal #1 Info : 0.25 Signal #2 Info :