Timothy L. Bishop, P.G.
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
Suite 5213
San Ramon, CA 94583
Tel (925) 790-6463
TimBishop@chevron.com

April 11, 2014

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

RE: First Quarter 2014 Semi-Annual Groundwater Monitoring Report
800, 726, and 706 Harrison Street, Oakland, California 94607
Fuel Leak Case No.: RO0000231, RO0000321, and RO0000484
Comingled Plume Claim No. 6678

Dear Mr. Wickham,

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) 790-6463.

Sincerely,

Timothy Bishop
Union Oil of California – Project Manager

Attachment
First Quarter 2014 Semi-Annual Groundwater Monitoring Report

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

ENVIRONMENT

Mr. Jerry Wickham
Senior Hazardous Materials Specialist
Alameda County Environmental Health (ACEH)
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Subject:
First Quarter 2014 Semi-Annual Groundwater Monitoring Report Submittal

Date:
April 11, 2014

Contact:
Katherine Brandt

Phone:
510.596.9675

Email:
Katherine.Brandt@arcadis-us.com

Our ref:
B0047339.2014

Dear Mr. Wickham:

On behalf of Chevron Environmental Management Company's affiliate, Union Oil Company of California ("Union Oil"), ARCADIS is submitting the enclosed Semi-Annual Groundwater Monitoring Report for the following facility:

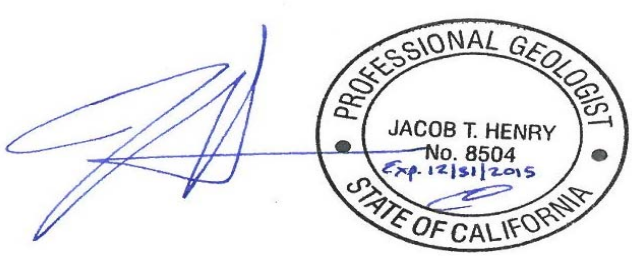
Facility No.	**Case No.**	**Location**
0752/YEE/GIN Comingled Plume	RO0000231	706/726/800 Harrison St Oakland, California

If you have any questions or comments regarding the contents of this document, please contact Mr. Tim Bishop of Chevron at 925.790.6463 or by e-mail at TimBishop@Chevron.com. Alternatively, you may contact Katherine Brandt of ARCADIS at 510.596.9675 or by e-mail at Katherine.Brandt@arcadis-us.com.

Sincerely,

ARCADIS

Katherine Brandt



Katherine Brandt, P.G.
Certified Project Manager

Jacob Henry, P.G.
Professional Geologist

Copies:

Ms. Cherie McCaulou, CRWQCB – San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612 (CD)

Mr. Tim Bishop, Union Oil of California (electronic copy only)

Mr. Muhammad Usman and Mr. Mahmood M. Ali, Property Owners - 800 Harrison Street, Oakland, California

Mr. Peter Yee and Mr. Kin Chan, 726 Harrison Street Property Owners

Mr. Bo Gin, 726 Harrison Street Property Owner – 342 Lester Avenue, Oakland, California 94606

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
FIRST QUARTER 2014
April 11, 2014

Facility No.: 0752/Yee/Gin Comingled Plume Address: 706/726/800 Harrison Street, Oakland, California

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

Primary Agency/Contact Person/Regulatory ID No.: Alameda County Environmental Health (ACEH) / Mr. Jerry Wickham / Case No. RO0000231

WORK PERFORMED DURING THIS REPORTING PERIOD (First Quarter – 2014) :

1. Gettler-Ryan, Inc. (G-R) conducted groundwater monitoring and sampling on February 6, 2014. Field data sheets and general procedures are included as **Attachment A**. Eight (8) groundwater monitoring wells associated with the former Unocal station no. 0752, seven (7) wells associated with 706 Harrison Street (GIN), and nine (9) groundwater monitoring wells associated with 726 Harrison Street (YEE) were gauged and sampled during this monitoring event. Air sparge well AS-1 was neither gauged nor sampled during this monitoring event. MW-1 was not sampled on 706 Harrison Street due to accessibility.

   Groundwater samples were analyzed for total purgeable petroleum hydrocarbons (TPPH) by Environmental Protection Agency (EPA) Method 8015B-GC/MS; benzene, toluene, ethylbenzene, and total xylenes (BTEX, collectively), methyl tert-butyl ether (MTBE), 1,2-dibromoethane (EDB), and 1,2-dichloroethane (EDC) by EPA Method 8260B; monitoring natural attenuation (MNA) parameters methane by RSK-175M; total alkalinity by EPA-310.1; nitrate and sulfate by EPA-300; nitrite by EPA-353.2; non-volatile organic carbon by EPA-415.1; and dissolved metal parameter dissolved iron by EPA-6010B. The groundwater samples collected from MW-1 (800 Harrison Street) were sampled for additional analytes that include semi-VOCS (SVOCs) by EPA 8270C, and dissolved metals (cadmium, chromium, lead, nickel, and zinc) by EPA Method 6010B.

   The site location map, the site plan, and the groundwater contour map are presented on **Figures 1** through **3**. Concentration maps for TPPH, benzene, and MTBE are on **Figures 4** through **6**. Current Groundwater Gauging and Analytical Results are summarized in **Table 1**, Additional Groundwater Analytical Results are summarized in **Tables 1a**, **1b**, and **1c**, Historical Groundwater Gauging and Analytical Results are summarized in **Table 2**, Additional Historical Groundwater Analytical Results are summarized in **Tables 2a**, **2b**, and **2c**, 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.**

   On August 21, 2013, Muir Consulting, Inc. (Muir) completed a survey of all the well locations for 726 Harrison Street in Oakland, California. The updated survey elevations are presented in Tables 1 and 2. The updated 800 Harrison Street elevations are based on the online conversion calculator presented on the National Geodetic Survey (NGS) website: http://www.ngs.noaa.gov/cgi-bin/VERTCON/vert_con.prl. A survey discrepancy prevented the conversion of the elevations for 706 Harrison Street. Therefore the elevations for 706 Harrison remained the same for this quarter's groundwater contouring and are presented on the groundwater contour map separately.

WORK PROPOSED FOR THE NEXT REPORTING PERIOD (Third Quarter – 2014):

1. Perform groundwater monitoring and related reporting during third quarter 2014.

Current Phase of Project: Groundwater Monitoring/ Remedial Action Plan

Site Use: Active 76 branded service station/parking lots (YEE/GIN)

Frequency of Sampling: Groundwater – Semi-Annually

Frequency of Monitoring: Groundwater – Semi-Annually

Are Separate-Phase Hydrocarbons (SPH) Present On-Site: No

Cumulative SPH Recovered to Date: None

SPH Recovered This Quarter: None

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
FIRST QUARTER 2014
April 11, 2014

Facility No.: 0752/Yee/Gin Comingled Plume Address: 706/726/800 Harrison Street, Oakland, California

Bulk Soil Removed to Date:	Unknown
Bulk Soil Removed this Quarter:	None
Water Wells or Surface Waters within a 2000' Radius and Their Respective Directions:	San Francisco Bay (approximately 300 ft west)
Groundwater Use Designation:	Potential Drinking Water Source
Current Remediation Techniques:	Under Evaluation
Permits for Discharge (No.):	None
Approximate Depth to Groundwater (at Unocal 0752):	19.10 (MW-6) – 20.82 (MW-2)feet below top of casing Measured X Estimated
Approximate Groundwater Elevation (at Unocal 0752):	15.47 (MW-7) – 16.62 (MW-2) feet relative to mean sea level Measured X Estimated

Groundwater Gradient (at Unocal 0752): 0.007 ft/ft (Magnitude) Southwest (Direction)

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
FIRST QUARTER 2014
April 11, 2014

Facility No.: 0752/Yee/Gin Comingled Plume Address: 706/726/800 Harrison Street, Oakland, California

DISCUSSION:

Groundwater conditions during the first quarter 2014 remained generally consistent with previous quarters.

706 Harrison Street:

The maximum dissolved concentration of TPPH (5,200 micrograms per liter [µg/L]), benzene (1,400 µg/L), toluene (5,200 µg/L), ethylbenzene (1,300 µg/L), total xylenes (5,000 µg/L), and MTBE (3,000 µg/L) were detected in the samples collected from MW-2. EDB, EDC, and ethanol were not detected above the laboratory reporting limits for all wells sampled. The maximum concentration of MNA parameters methane (6.5 milligrams per liter [mg/L]), alkalinity as CaCO3 (490 mg/L) and non-volatile organic carbon (20 mg/L) were collected from MW-2. The maximum concentration of nitrate as NO3 (33 mg/L) was detected in MW-3. The maximum concentration of sulfate (51 mg/L) was collected from samples taken from MW-5. Nitrite as NO2 was not detected above laboratory concentrations.

726 Harrison Street:

The maximum dissolved concentrations of TPPH (3,400 µg/L), benzene (1,900 µg/L), and toluene (150 µg/L) were detected in the samples collected from MW-5. The maximum dissolved concentrations of ethylbenzene (400 µg/L), total xylenes (250 µg/L), and MTBE (10,000 µg/L) were detected in the samples collected from MW-1. EDB, EDC, and ethanol were not detected above the laboratory reporting limits for all wells sampled. The maximum concentration of MNA parameters methane (11 mg/L) and alkalinity as CaCO3 (430 mg/L) were collected from MW-5. The maximum concentration of nitrate as NO3 (38 mg/L) and sulfate (38 mg/L) were detected in MW-2. The maximum concentration of non-volatile organic carbon (51 mg/L) was collected from samples taken from MW-1. Nitrite as NO2 was not detected above laboratory concentrations.

800 Harrison Street:

The maximum dissolved concentrations of TPPH (1,400 µg/L) was detected in the samples collected from MW-5. The maximum dissolved concentrations of benzene (66 µg/L), toluene (10 µg/L), ethylbenzene (2.5 µg/L), and total xylenes (17 µg/L) were detected in the samples collected from MW-7. The maximum dissolved concentration of MTBE (760 µg/L) was detected in the samples collected from MW-3. EDB, EDC, and ethanol were not detected above the laboratory reporting limits for all wells sampled. The maximum concentration for dissolved iron was detected in samples from MW-3 at 2,600 µg/L. Monitoring well MW-1 was analyzed for additional metals and had detected concentrations of dissolved zinc (14 µg/L) and dissolved iron (56 µg/L). SVOCs were analyzed for at MW-1 and were not detected above the laboratory limits for all analytes. Dissolved cadmium, chromium, lead and nickel were below reporting limits in MW-1. The maximum concentration of MNA parameters methane (8.7 mg/L), alkalinity as CaCO3 (420 mg/L) and non-volatile organic carbon (5.1 mg/L) were collected from MW-3. The maximum concentration of nitrate as NO3 (6.4 mg/L) and sulfate (110 mg/L) were detected in MW-2.

Groundwater elevations at the site for 726 and 800 Harrison Street vary by approximately three feet, creating a relatively gentle hydraulic gradient of 0.007 foot per foot (ft/ft) in the southwest direction. Groundwater elevations at the site for 706 Harrison Street vary by approximately 1 foot, creating a relatively gentle hydraulic gradient of 0.007 ft/ft in the southwest direction.

CONCLUSIONS AND RECOMMENDATIONS:

Dissolved constituents of concern concentrations have remained relatively consistent with previous quarters. ARCADIS recommends continued groundwater monitoring. ARCADIS will discontinue analysis of SVOC, non-volatile organic carbon, and MNA parameters. ARCADIS is submitting a Remedial Action Plan to address the elevated concentrations on 706 and 726 Harrison Street.

UNION OIL OF CALIFORNIA
SEMI-ANNUALLY MONITORING REPORT
FIRST QUARTER 2014
April 11, 2014

Facility No.: 0752/Yee/Gin Comingled Plume Address: 706/726/800 Harrison Street, Oakland, California

ATTACHMENTS:

Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Groundwater Contour Map
Figure 4: TPPH Isoconcentration Map
Figure 5: Benzene Isoconcentration Map
Figure 6: MTBE Isoconcentration Map

Table 1: Current Groundwater Gauging and Analytical Results
Table 1a: Additional Groundwater Analytical Results – MNA Parameters
Table 1b: Additional Groundwater Analytical Results – VOCs
Table 1c: Additional Groundwater Analytical Results – Metals
Table 2: Historical Groundwater Gauging and Analytical Results
Table 2a: Historical Additional Groundwater Analytical Results – MNA Parameters
Table 2b: Historical Additional Groundwater Analytical Results – VOCs
Table 2c: Historical Additional Groundwater Analytical Results – Metals

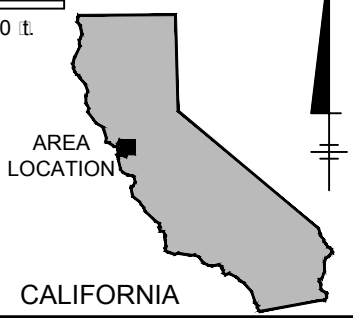
Attachment A: Field Data Sheets and General Procedures
Attachment B: Historical Groundwater Results from TRC
Attachment C: Laboratory Reports and Chain-of-Custody Documentation

Figures

REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. □UAD., OAKLAND WEST, CALIFORNIA, 1993.

0 2000' 4000'

Appro□mate S□ale: 1 □□. = 2000 □t.



UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

SITE LOCATION MAP

ARCADIS

FIGURE 1

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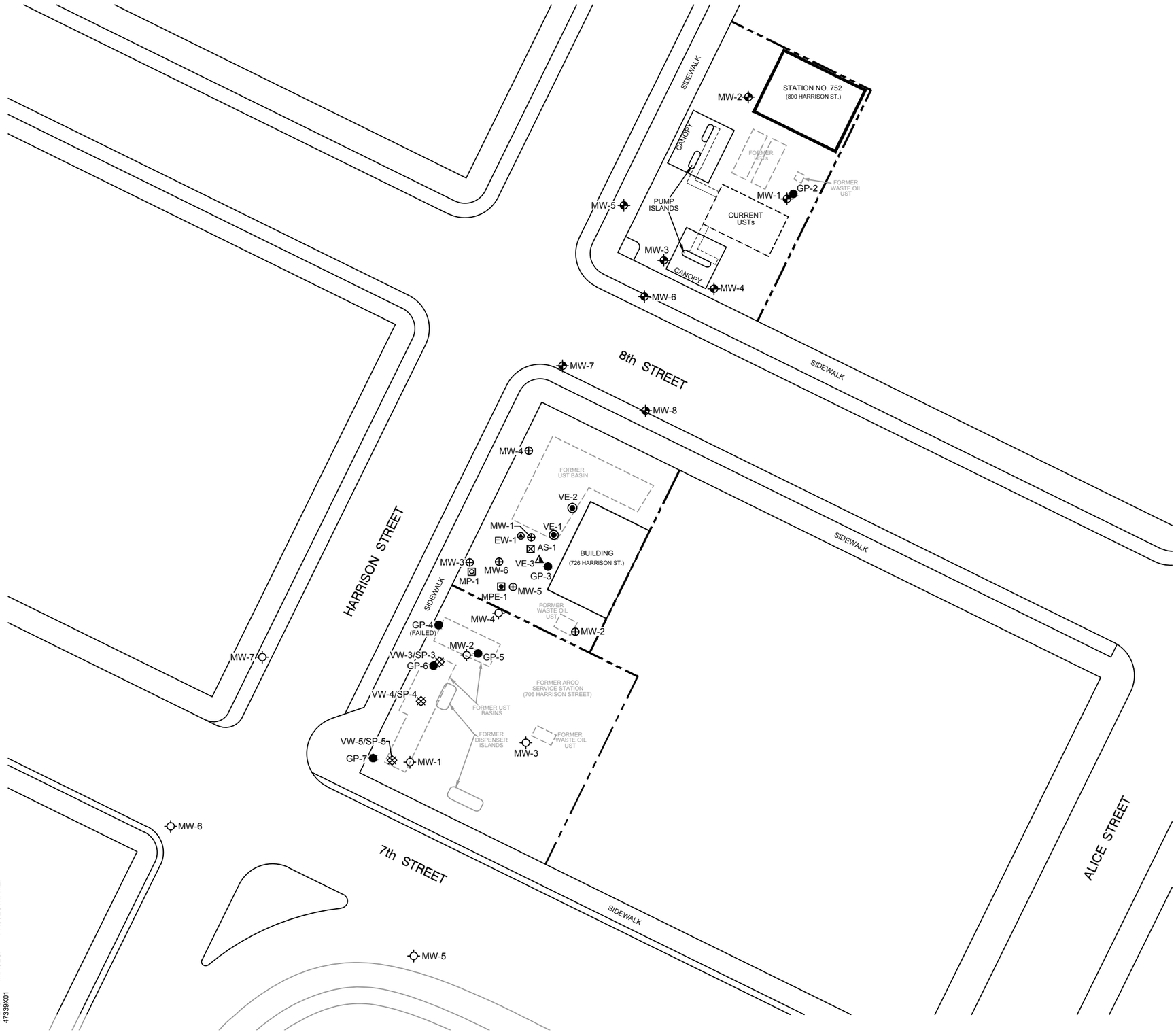

LEGEND

- PROPERTY BOUNDARY
- PRODUCT PIPING
- MW-1 GROUNDWATER MONITORING WELL (UNOCAL)
- MW-1 GROUNDWATER MONITORING WELL (GIN)
- VW-3/SP-3 SOIL VAPOR/SPARGE WELL (UNABLE TO LOCATE) (GIN)
- MW-1 GROUNDWATER MONITORING WELL (YEE)
- AS-1 AIR SPARGE WELL (YEE)
- EW-1 EXTRACTION WELL (YEE)
- GP-2 GEOPROBE™ (JUNE 2011)
- MPE-1 MULTI-PHASE EXTRACTION PILOT TEST WELL (PZ-1 IS LOCATED IN THE SAME BOREHOLE)
- MP-1 PILOT TEST MONITORING POINT
- VE-1 VAPOR EXTRACTION WELL
- VE-3 PILOT TEST VAPOR EXTRACTION WELL

NOTE:

1. BASE MAP PROVIDED BY MID COAST ENGINEERS, DATED 06/29/11, AT A SCALE OF 1"=50'. ADDITIONAL SITE FEATURES PROVIDED BY STANTEC, INC., DATED 03/05/10, AT A SCALE OF 1"=50'.
2. COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 83.

0 50' 100'

GRAPHIC SCALE

UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

SITE PLAN

ARCADIS

FIGURE 2

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, M. HOEFER, J. HARRIS
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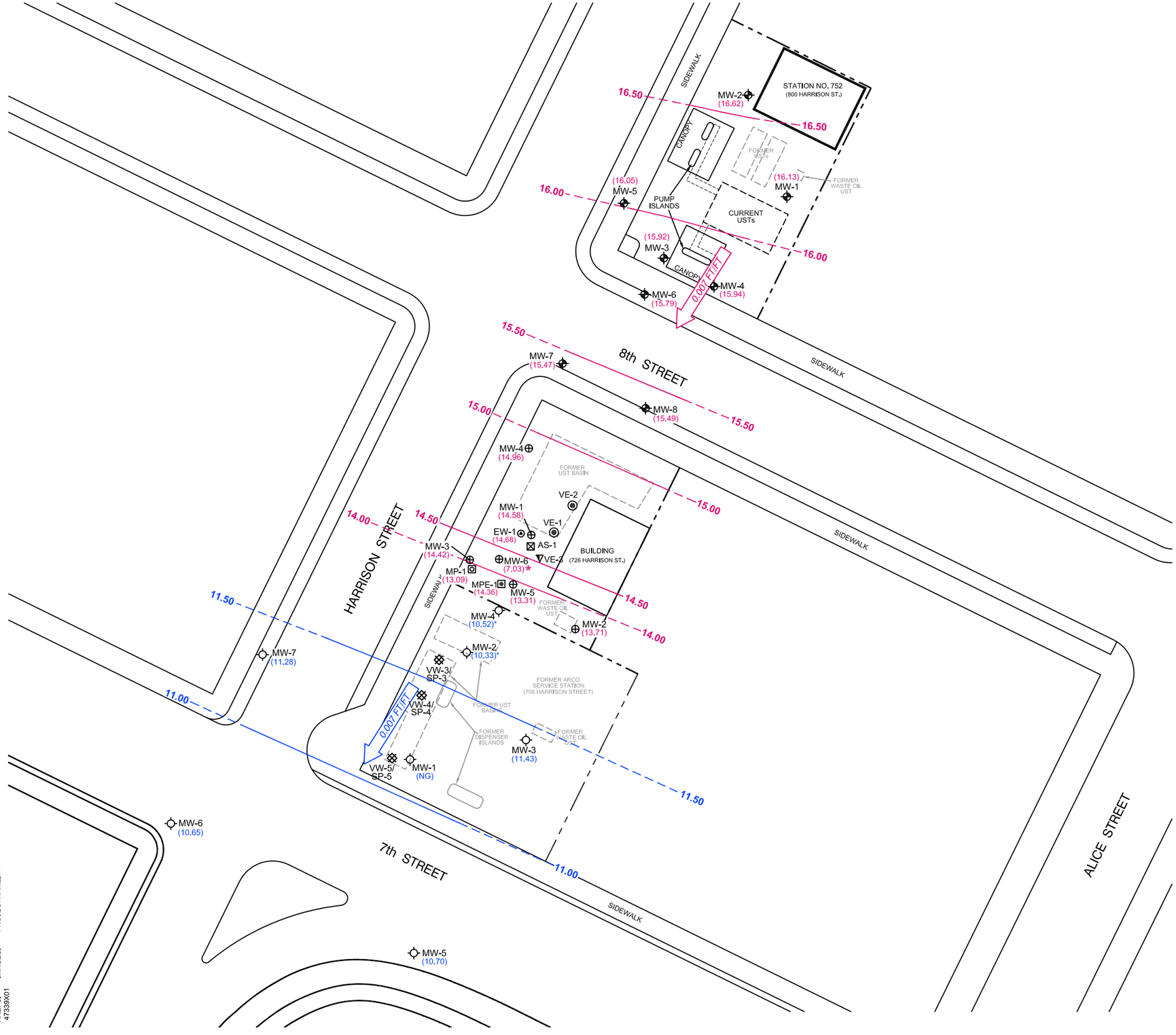

LEGEND

- PROPERTY BOUNDARY
- PRODUCT PIPING
- MW-1 GROUNDWATER MONITORING WELL (UNOCAL SITE)
- MW-1 GROUNDWATER MONITORING WELL (YEE SITE)
- EW-1 EXTRACTION WELL (YEE SITE)
- MW-1 GROUNDWATER MONITORING WELL (GIN SITE)
- VW-3/SP-3 SOIL VAPOR/SPARGE WELL (UNABLE TO LOCATE) (GIN SITE)
- MPE-1 MULTI-PHASE EXTRACTION PILOT TEST WELL (PZ-1 IS LOCATED IN THE SAME BOREHOLE) (YEE SITE)
- MP-1 PILOT TEST MONITORING POINT (YEE SITE)
- VE-1 VAPOR EXTRACTION WELL (YEE SITE)
- VE-3 PILOT TEST VAPOR EXTRACTION WELL (YEE SITE)
- AS-1 AIR SPARGE WELL (YEE SITE)
- (16.13) GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL (FT MSL)
- 15.00 GROUNDWATER ELEVATION CONTOUR (FT MSL; DASHED WHERE INFERRED)
- 0.007 FT/FT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FOOT PER FOOT)
- (NG) NOT GAUGED
- * NOT USED IN GROUNDWATER CONTOURING AND GRADIENT CALCULATION

NOTES:

1. BASE MAP PROVIDED BY MID COAST ENGINEERS, DATED 06/29/11, AT A SCALE OF 1"=50'. ADDITIONAL SITE FEATURES PROVIDED BY STANTEC, INC., DATED 03/05/10, AT A SCALE OF 1"=50'. MUIR SURVEY COMPLETED A SURVEY ON 8/21/13.
2. COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 83.
3. MW-6 IS NOT USED IN THE GROUNDWATER CONTOURS BECAUSE IT IS LOCATED IN A LOWER WATER BEARING ZONE.
4. GROUNDWATER CONTOURS FOR 800/726 HARRISON STREET SEPARATE FROM 706 HARRISON STREET DUE TO SURVEYING DISCREPANCIES. 706 HARRISON TO BE RE-SURVEYED IN 2014.

0 50' 100'

GRAPHIC SCALE

UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP

ARCADIS

FIGURE 3

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, R. HUBATCH, J. HARRIS
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PAGESETUP: SETUP2 PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 4/9/2014 8:00 AM BY: HARRIS, JESSICA

LEGEND

- PROPERTY BOUNDARY
- PRODUCT PIPING
- MW-1 GROUNDWATER MONITORING WELL (UNOCAL SITE)
- MW-1 GROUNDWATER MONITORING WELL (YEE SITE)
- EW-1 EXTRACTION WELL (YEE SITE)
- MW-1 GROUNDWATER MONITORING WELL (GIN SITE)
- VW-3/SP-3 SOIL VAPOR/SPARGE WELL (UNABLE TO LOCATE) (GIN SITE)
- MPE-1 MULTI-PHASE EXTRACTION PILOT TEST WELL (PZ-1 IS LOCATED IN THE SAME BOREHOLE) (YEE SITE)
- MP-1 PILOT TEST MONITORING POINT (YEE SITE)
- VE-1 VAPOR EXTRACTION WELL (YEE SITE)
- VE-3 PILOT TEST VAPOR EXTRACTION WELL (YEE SITE)
- AS-1 AIR SPARGE WELL (YEE SITE)
- [150] TOTAL PURGEABLE PETROLEUM HYDROCARBONS (TPPH) CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 TPPH ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NS] NOT SAMPLED

NOTES:

1. BASE MAP PROVIDED BY MID COAST ENGINEERS, DATED 06/29/11, AT A SCALE OF 1"=50'. ADDITIONAL SITE FEATURES PROVIDED BY STANTEC, INC., DATED 03/05/10, AT A SCALE OF 1"=50'.
2. COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 83.
3. MW-6 IS NOT USED IN CONTOURING BECAUSE IT IS LOCATED IN A LOWER WATER BEARING ZONE.

0 50' 100'

GRAPHIC SCALE

UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

TPPH CONCENTRATION MAP

ARCADIS

FIGURE 4

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, M. HOEFER, J. HARRIS
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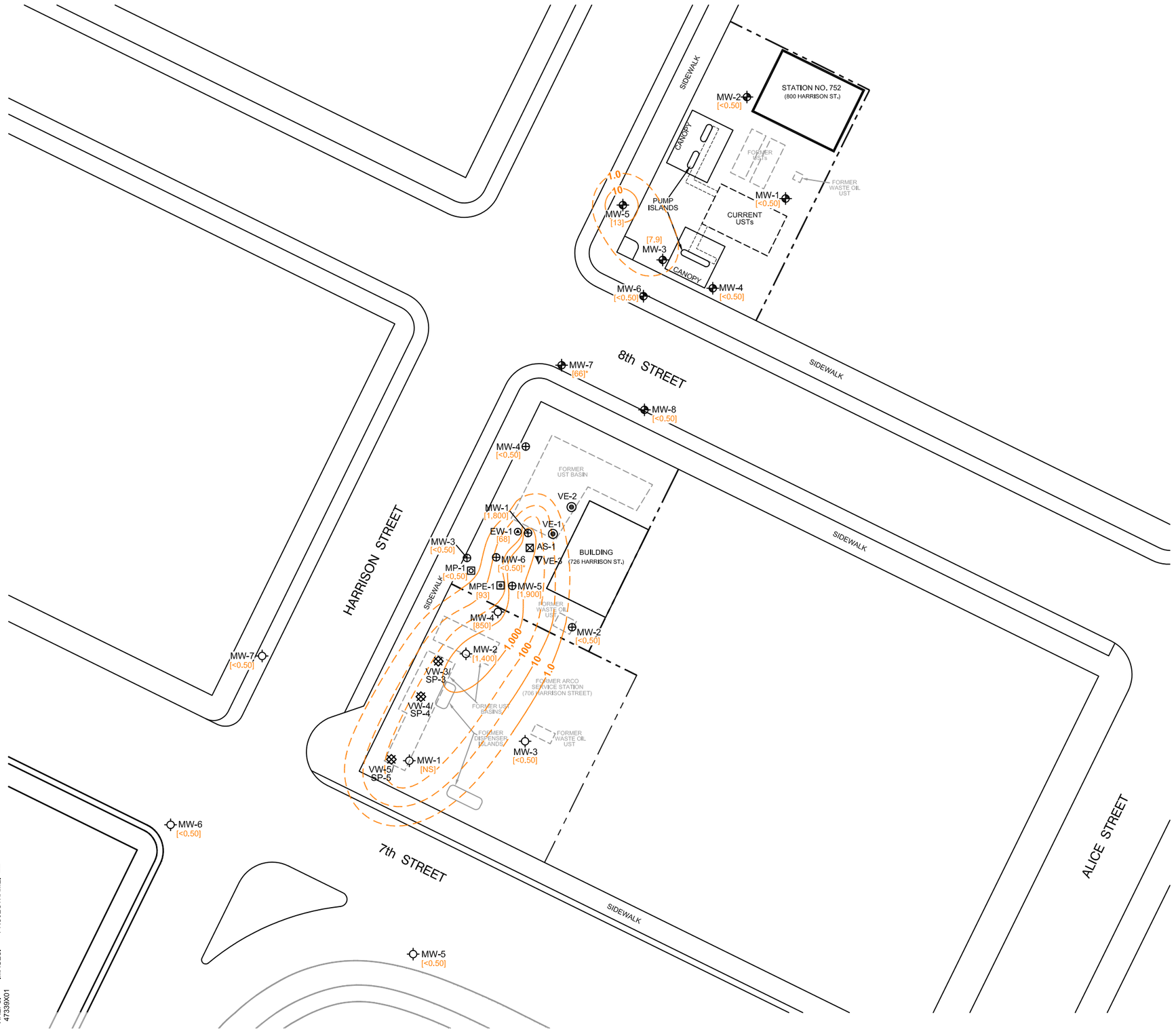

LEGEND

- PROPERTY BOUNDARY
- PRODUCT PIPING
- MW-1 GROUNDWATER MONITORING WELL (UNOCAL SITE)
- MW-1 GROUNDWATER MONITORING WELL (YEE SITE)
- EW-1 EXTRACTION WELL (YEE SITE)
- MW-1 GROUNDWATER MONITORING WELL (GIN SITE)
- VW-3/SP-3 SOIL VAPOR/SPARGE WELL (UNABLE TO LOCATE) (GIN SITE)
- MPE-1 MULTI-PHASE EXTRACTION PILOT TEST WELL (PZ-1 IS LOCATED IN THE SAME BOREHOLE) (YEE SITE)
- MP-1 PILOT TEST MONITORING POINT (YEE SITE)
- VE-1 VAPOR EXTRACTION WELL (YEE SITE)
- VE-3 PILOT TEST VAPOR EXTRACTION WELL (YEE SITE)
- AS-1 AIR SPARGE WELL (YEE SITE)
- [13] BENZENE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 100 BENZENE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NS] NOT SAMPLED
- * WELL NOT USED IN CONCENTRATION CONTOURING

NOTES:

1. BASE MAP PROVIDED BY MID COAST ENGINEERS, DATED 06/29/11, AT A SCALE OF 1"=50'. ADDITIONAL SITE FEATURES PROVIDED BY STANTEC, INC., DATED 03/05/10, AT A SCALE OF 1"=50'.
2. COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 83.
3. MW-6 IS NOT USED IN CONTOURING BECAUSE IT IS LOCATED IN A LOWER WATER BEARING ZONE.

0 50' 100'

GRAPHIC SCALE

UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

BENZENE CONCENTRATION MAP

ARCADIS

FIGURE 5

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, M. HOEFER, J. HARRIS
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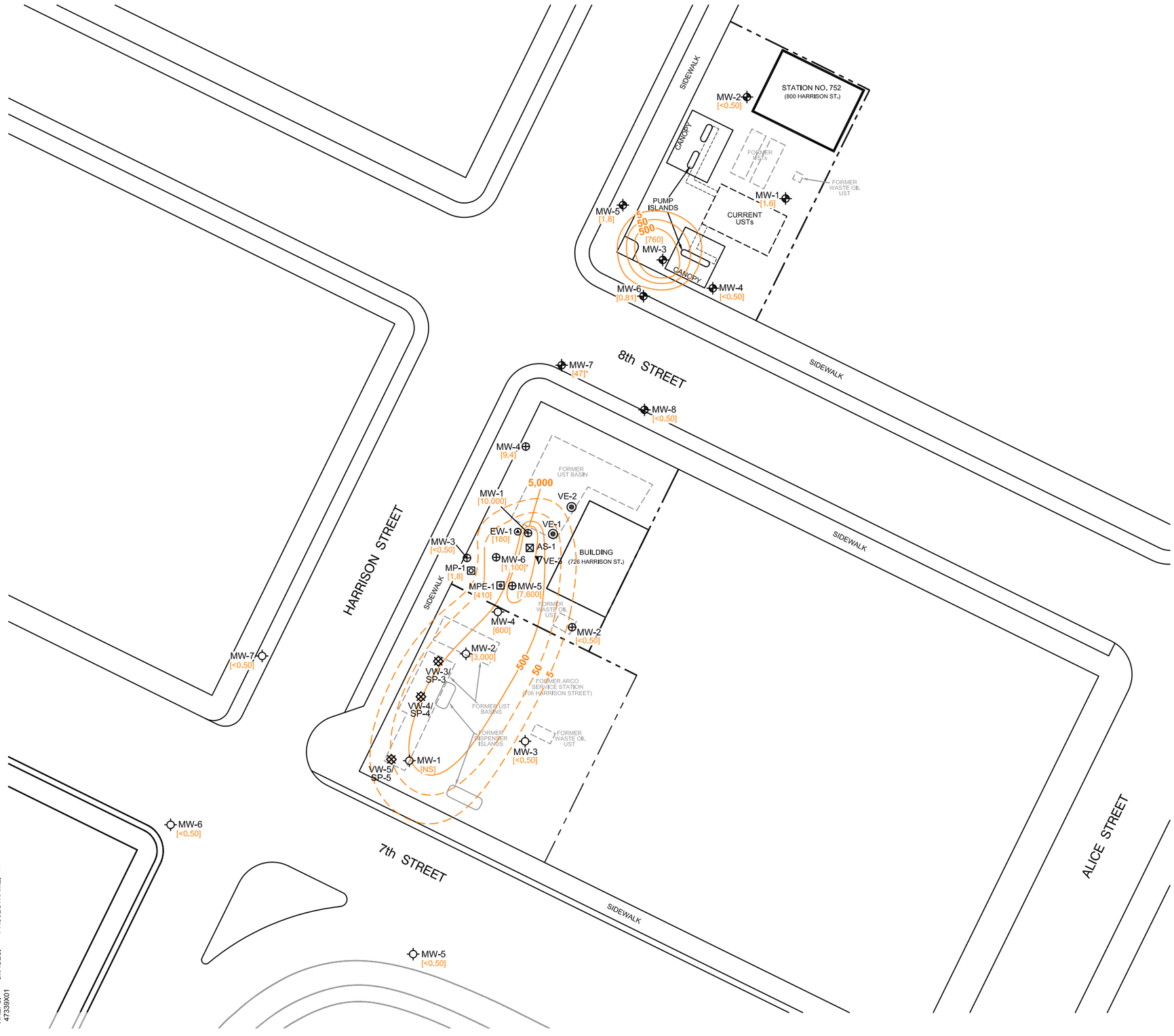

LEGEND

- PROPERTY BOUNDARY
- PRODUCT PIPING
- MW-1 GROUNDWATER MONITORING WELL (UNOCAL SITE)
- MW-1 GROUNDWATER MONITORING WELL (YEE SITE)
- EW-1 EXTRACTION WELL (YEE SITE)
- MW-1 GROUNDWATER MONITORING WELL (GIN SITE)
- VW-3/SP-3 SOIL VAPOR/SPARGE WELL (UNABLE TO LOCATE) (GIN SITE)
- MPE-1 MULTI-PHASE EXTRACTION PILOT TEST WELL (PZ-1 IS LOCATED IN THE SAME BOREHOLE) (YEE SITE)
- MP-1 PILOT TEST MONITORING POINT (YEE SITE)
- VE-1 VAPOR EXTRACTION WELL (YEE SITE)
- VE-3 PILOT TEST VAPOR EXTRACTION WELL (YEE SITE)
- AS-1 AIR SPARGE WELL (YEE SITE)
- [1.6] METHYL TERTIARY BUTYL ETHER CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
- 500 MTBE ISOCONCENTRATION CONTOUR (µg/L; DASHED WHERE INFERRED)
- < DENOTES LESS THAN LABORATORY REPORTING LIMIT
- [NS] NOT SAMPLED
- * WELL NOT USED IN CONCENTRATION CONTOURING

NOTES:

1. BASE MAP PROVIDED BY MID COAST ENGINEERS, DATED 06/29/11, AT A SCALE OF 1"=50'. ADDITIONAL SITE FEATURES PROVIDED BY STANTEC, INC., DATED 03/05/10, AT A SCALE OF 1"=50'.
2. COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD 83.
3. MW-6 IS NOT USED IN CONTOURING BECAUSE IT IS LOCATED IN A LOWER WATER BEARING ZONE.

0 50' 100'

GRAPHIC SCALE

UNION OIL OF CALIFORNIA
STATION NO. 0752/YEE/GIN COMMINGLED
706/726/800 HARRISON STREET
OAKLAND, CALIFORNIA

MTBE CONCENTRATION MAP

ARCADIS

FIGURE 6

CITY: SAN RAFAEL, CA (PETALUMA) DIV/GROUP: ENVCAD DB: J. HARRIS, M. HOEFER, J. HARRIS
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Tables

Table 1
Current Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	TOC Elevation (feet	DTW (feet btoc)	LPH Thickness (feet)	GW Elevation (feet	TPPH (8015B-GC/MC)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
800 Harrison Street															
MW-1	2/6/2014	37.22	21.09	0.00	16.13	<50	<0.50	<0.50	<0.50	<1.0	1.6	<0.50	<0.50	<250	
MW-2	2/6/2014	37.44	20.82	0.00	16.62	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/6/2014	35.88	19.96	0.00	15.92	1,300	7.9 A01	0.87	1.7	5.2	760	<0.50	<0.50	<250	
MW-4	2/6/2014	35.42	19.48	0.00	15.94	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	2/6/2014	35.68	19.63	0.00	16.05	1,400	13	7.4	2.3	13	1.8	<0.50	<0.50	<250	
MW-6	2/6/2014	34.89	19.10	0.00	15.79	150	<0.50	<0.50	<0.50	<1.0	0.81	<0.50	<0.50	<250	
MW-7	2/6/2014	34.92	19.45	0.00	15.47	790	66 A01	10	2.5	17	47	<0.50	<0.50	<250	
MW-8	2/6/2014	34.73	19.24	0.00	15.49	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
706 Harrison Street															
MW-1	2/6/2014	29.17	--	--	--	--	--	--	--	--	--	--	--	--	Parked Car
MW-2	2/6/2014	30.53	20.20	0.00	10.33	5,200 A01	1,400 A01	5,200 A01	1,300 A01	5,000 A01	3,000 A01	<0.50	<0.50	<250	
MW-3	2/6/2014	29.79	18.36	0.00	11.43	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/6/2014	31.20	20.68	0.00	10.52	620	850 A01	29	54	62	600 A01	<0.50	<0.50	<250	
MW-5	2/6/2014	28.07	17.37	0.00	10.70	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	2/6/2014	29.13	18.48	0.00	10.65	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	2/6/2014	29.70	18.42	0.00	11.28	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
726 Harrison Street															
AS-1	--	34.50	--	--	--	--	--	--	--	--	--	--	--	--	
EW-1	2/6/2014	34.37	19.69	0.00	14.68	640	68	1.2	7.9	7.0	180 A01	<0.50	<0.50	<250	
MP-1	2/6/2014	34.16	21.07	0.00	13.09	<50	<0.50	<0.50	<0.50	<1.0	1.8	<0.50	<0.50	<250	
MPE-1	2/6/2014	34.36	20.00	0.00	14.36	460	93 A01	24	13	29	410 A01	<0.50	<0.50	<250	
MW-1	2/6/2014	34.45	19.87	0.00	14.58	2,600 A01	1,800 A01	86	400 A01	250	10,000 A01	<0.50	<0.50	<250	
MW-2	2/6/2014	34.91	21.20	0.00	13.71	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/6/2014	34.12	19.70	0.00	14.42	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/6/2014	35.05	20.09	0.00	14.96	<50	<0.50	<0.50	<0.50	<1.0	9.4	<0.50	<0.50	<250	
MW-5	2/6/2014	34.76	21.45	0.00	13.31	3,400 A01	1,900 A01	150 A01	240 A01	220	7,600 A01	<0.50	<0.50	<250	
MW-6	2/6/2014	34.53	27.50	0.00	7.03	<50	<0.50	<0.50	<0.50	<1.0	1,100 A01	<0.50	<0.50	<250	

Table 1
Current Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Notes

Analytical results given in micrograms per liter (µg/l).

Muir Constulting, Inc. completed a survey of 726 Harrison well locations on August 21, 2013. Elevation data for 800 Harrison Street was converted by using the National Geodetic Survey (NGS) online conversion calculator located from NAV29 to NAV88. The 706 Harrison Street data was not converted due to discrepencies of the data.

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
TOC	top of casing (surveyed reference elevation)
AMSL	above mean sealevel
DTW	depth to water
btoc	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)
A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection limit
8260B	EPA Method 8260B for Volatile Organic Compounds
GC/MS	gas chromatography–mass spectrometry for TPPH

Analytes

TPPH	total purgeable petroleum hydrocarbons (C6-C12)
MTBE	methyl tertiary butyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)

Table 1A
Additional Groundwater Analytical Results - MNA Parameters
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Methane (mg/L)	Alkalinity as CaCO3 (mg/L)	Nitrate as NO3 (mg/L)	Nitrite as NO2 (mg/L)	Sulfate (mg/L)	Non-Volatile Organic Carbon (mg/L)	Comments
800 Harrison Street								
MW-1	2/6/2014	0.010	34	1.6	<0.17	7.9	1.1	
MW-2	2/6/2014	0.014	110	6.4	<0.17	110	0.70	
MW-3	2/6/2014	8.7	420	<0.44	<0.17	4.6	5.1	
MW-4	2/6/2014	0.0053	81	3.1	<0.17	17	1.3	
MW-5	2/6/2014	3.3	190	<0.44	<0.17	<1.0	2.4	
MW-6	2/6/2014	1.8	170	<0.44	<0.17	26	2.9	
MW-7	2/6/2014	1.3	74	<0.44	<0.17	4.3	1.8	
MW-8	2/6/2014	0.0035	180	<0.44	<0.17	20	1.5	
706 Harrison Street								
MW-1	2/6/2014	--	--	--	--	--	--	Parked Car
MW-2	2/6/2014	6.5	490	<0.44	<0.17	<1.0	20 A01	
MW-3	2/6/2014	0.0072	110	33	<0.17	37	1.7	
MW-4	2/6/2014	2.1	440	<0.44	<0.17	9.8	12 A01	
MW-5	2/6/2014	0.0023	160	15	<0.17	51	2.8	
MW-6	2/6/2014	0.0017	150	<0.44	<0.17	38	2.7	
MW-7	2/6/2014	0.030	220	<0.44	<0.17	38	3.6	
726 Harrison Street								
AS-1	--	--	--	--	--	--	--	
EW-1	2/6/2014	1.2 A01	230	<0.44	<0.17	12	5.0	
MW-1	2/6/2014	6.3	370	<0.44	<0.17	<1.0	33 A01	
MW-2	2/6/2014	0.0058	150	38	<0.17	38	1.9	
MW-3	2/6/2014	0.0062	140	<0.44	<0.17	18	1.7	
MW-4	2/6/2014	2.4	310	<0.44	<0.17	17	4.0	
MW-5	2/6/2014	11 A01	430	<0.44	<0.17	<1.0	11 A01	
MW-6	2/6/2014	0.0019	170	3.9	<0.17	24	0.91	

Notes

Analytical results given in milligrams per liter (mg/L).

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
mg/L	milligrams per liter (approx. equivalent to parts per million, ppm)
A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection limit

Analytes

CaCO3	calcium carbonate
NO3	nitrate
NO2	nitrogen dioxide
EDC	1,2-dichloroethane (same as ethylene dichloride)

Table 1B
Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	Acenaph-thene	Acenaph-thylene	Aldrin	Aniline (Benze-neamine)	Anthra-cene	Benzi-dine	Benzo (a) Anthra-cene	Benzo (b) Fluoran-	Benzo (k) Fluoran-	Benzo (a) Pyrene	Benzo (g,h,i) Perylene	Benzoic Acid	Benzyl Alcohol	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane	bis (2-Chloro-ethoxy)	bis (2-Chloroethyl) ether	bis (2-Ethylhexyl) phthalate	4-Bromo-phenyl-phenylether	4-Chloro-aniline	2-Chloro-naph-thalene	4-Chloro-phenyl phenyl	Chrysene	4,4'-DDD
800 Harrison Street																											
MW-1	2/6/2014	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
706 Harrison Street																											
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
726 Harrison Street																											
AS-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MP-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MPE-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1B
Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	4,4'-DDE	4,4'-DDT	Dibenz (a,h) anthracen	Dibenzo-furan	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	3,3-Dichloro-benzidine	Dieldrin	Diethyl-phthalate	Dimethyl-phthalate	Di-n-butyl-phthalate	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl-phthalate	1,2-Diphenyl-hydrazin	Endosulfan I (alpha-Endosulfa	Endo-sulfan II	Endo-sulfan Sulfate	Endrin	Endrin Aldehyde	Fluor-anthene	Fluorene	Hepta-chlor	Hepta-chlor Epoxide	Hexa-chloro-benzene
800 Harrison Street																											
MW-1	2/6/2014	<3.0	<2.0	<3.0	<2.0	<2.0	<2.0	<2.0	<10	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
706 Harrison Street																											
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
726 Harrison Street																											
AS-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MP-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MPE-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1B
Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	Hexa-chloro-butadiene	Hexachlor o-cyclo-pentadiene	Hexa-chloro-ethane	Indeno (1,2,3-cd)	Iso-phorone	2-Methyl-naph-thlalene	Naph-thalene	2-Naph-thalene-amine	2-Nitro-aniline	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	N-Nitro-sodimethyl-amine	N-Nitro-sodi-n-propylamin	N-Nitrosodi-phenylamin e	Phenan-threne	Pyrene	1,2,4-Trichloro-benzene	4-Chloro-3-methyl-phenol	p-Chloro-m-cresol	2-Chloro-phenol	2,4-Dichloro-phenol	2,4-Dimethyl-phenol	4,6-Dinitro-2-methyl-phenol	2,4-Dinitro-phenol
800 Harrison Street																										
MW-1	2/6/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	--	<2.0	<2.0	<2.0	<10	<10
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
706 Harrison Street																										
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
726 Harrison Street																										
AS-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MP-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MPE-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1B
Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	2-Methyl-phenol	3-/4-Methyl-phenol	2-Nitro-phenol	4-Nitro-phenol	Penta-chloro-phenol	Phenol	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol
800 Harrison Street									
MW-1	2/6/2014	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<5.0	<5.0
MW-2	2/6/2014	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--
706 Harrison Street									
MW-1	2/6/2014	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--
SP-3	2/6/2014	--	--	--	--	--	--	--	--
SP-4	2/6/2014	--	--	--	--	--	--	--	--
SP-5	2/6/2014	--	--	--	--	--	--	--	--
726 Harrison Street									
AS-1	2/6/2014	--	--	--	--	--	--	--	--
EW-1	2/6/2014	--	--	--	--	--	--	--	--
MP-1	2/6/2014	--	--	--	--	--	--	--	--
MPE-1	2/6/2014	--	--	--	--	--	--	--	--
MW-1	2/6/2014	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--

Table 1B
Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Notes
Analytical results given in micrograms per liter (µg/l)

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)

Table 1C
Additional Groundwater Analytical Results - Metals
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Dissolved Cadmium	Dissolved Chromium	Dissolved Iron	Dissolved Lead	Dissolved Nickel	Dissolved Zinc	Comments
800 Harrison Street								
MW-1	2/6/2014	<10	<10	56	<50	<10	14	
MW-2	2/6/2014	--	--	<50	--	--	--	
MW-3	2/6/2014	--	--	2,600	--	--	--	
MW-4	2/6/2014	--	--	480	--	--	--	
MW-5	2/6/2014	--	--	410	--	--	--	
MW-6	2/6/2014	--	--	110	--	--	--	
MW-7	2/6/2014	--	--	480	--	--	--	
MW-8	2/6/2014	--	--	130	--	--	--	
706 Harrison Street								
MW-1	2/6/2014	--	--	--	--	--	--	Parked Car
MW-2	2/6/2014	--	--	4,600	--	--	--	
MW-3	2/6/2014	--	--	<50	--	--	--	
MW-4	2/6/2014	--	--	340	--	--	--	
MW-5	2/6/2014	--	--	<50	--	--	--	
MW-6	2/6/2014	--	--	75	--	--	--	
MW-7	2/6/2014	--	--	760	--	--	--	
726 Harrison Street								
AS-1	--	--	--	--	--	--	--	
EW-1	2/6/2014	--	--	1,700	--	--	--	
MW-1	2/6/2014	--	--	950	--	--	--	
MW-2	2/6/2014	--	--	<50	--	--	--	
MW-3	2/6/2014	--	--	<50	--	--	--	
MW-4	2/6/2014	--	--	<50	--	--	--	
MW-5	2/6/2014	--	--	4,200	--	--	--	
MW-6	2/6/2014	--	--	<50	--	--	--	

Notes

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

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
µg/l	micrograms per liter (approx. equivalent to parts per billion, ppb)

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	TOC Elevation (feet	DTW (feet btoc)	LPH Thickness (feet)	GW Elevation (feet	Previous Quarter GWE (feet AMSL)	Change in Elevation (feet)	TPPH (8015B-GC/MC)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
800 Harrison Street																	
MW-1	2/7/2012	34.72	20.00	0.00	14.72	15.22	-0.50	97	<0.50	<0.50	<0.50	<1.0	8.6	<0.50	<0.50	--	
MW-1	8/9/2012	34.72	19.14	0.00	15.58	14.72	0.86	140	<0.50	<0.50	<0.50	<1.0	18	<0.50	<0.50	<250	
MW-1	2/27/2013	34.72	19.41	0.00	15.31	15.58	-0.27	50	<0.50	<0.50	<0.50	<1.0	6.7	<0.50	<0.50	<250	
MW-1	8/15/2013	37.22	20.20	0.00	17.02	15.31	1.71	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-1	2/6/2014	37.22	21.09	0.00	16.13	17.02	-0.89	<50	<0.50	<0.50	<0.50	<1.0	1.6	<0.50	<0.50	<250	
MW-2	2/7/2012	34.74	19.77	0.00	14.97	15.42	-0.45	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	--	
MW-2	8/9/2012	34.74	18.89	0.00	15.85	14.97	0.88	<50	<0.50	<0.50	<0.50	<1.0	4.7	<0.50	<0.50	<250	
MW-2	2/27/2013	34.74	19.16	0.00	15.58	15.85	-0.27	<50	<0.50	<0.50	<0.50	<1.0	9.6	<0.50	<0.50	<250	
MW-2	8/15/2013	37.44	19.99	0.00	17.45	15.58	1.87	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-2	2/6/2014	37.44	20.82	0.00	16.62	17.45	-0.83	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/7/2012	33.18	18.88	0.00	14.30	14.88	-0.58	1,800	6.7	<1.0	1.9	<2.0	1,600	<0.50	<0.50	--	A01
MW-3	8/9/2012	33.18	18.02	0.00	15.16	14.30	0.86	1,400	1.8	<0.50	1.5	<1.0	370	<0.50	<0.50	<250	A01
MW-3	2/27/2013	33.18	18.36	0.00	14.82	15.16	-0.34	1,600	4.4	0.69	2.8	<1.0	820	<0.50	<0.50	<250	A01
MW-3	8/15/2013	35.88	19.17	0.00	16.71	14.82	1.89	410	4.0	<0.50	1.4	<1.0	340	<0.50	<0.50	<250	A01
MW-3	2/6/2014	35.88	19.96	0.00	15.92	16.71	-0.79	1,300	7.9 A01	0.87	1.7	5.2	760	<0.50	<0.50	<250	
MW-4	2/7/2012	32.72	18.38	0.00	14.34	14.87	-0.53	<50	<0.50	<0.50	<0.50	<1.0	1.5	<0.50	<0.50	--	
MW-4	8/9/2012	32.72	17.55	0.00	15.17	14.34	0.83	<50	<0.50	<0.50	<0.50	<1.0	1.3	<0.50	<0.50	<250	
MW-4	2/27/2013	32.72	17.83	0.00	14.89	15.17	-0.28	<50	<0.50	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<250	
MW-4	8/15/2013	35.42	18.70	0.00	16.72	14.89	1.83	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/6/2014	35.42	19.48	0.00	15.94	16.72	-0.78	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	2/7/2012	32.98	18.59	0.00	14.39	14.93	-0.54	1,600	58	11	3.0	25	10	<0.50	<0.50	--	A01
MW-5	8/9/2012	32.98	17.73	0.00	15.25	14.39	0.86	1,900	81	18	10	22	19	<0.50	<0.50	<250	A01
MW-5	2/27/2013	32.98	17.98	0.00	15.00	15.25	-0.25	1,300	58	11	2.4	13	8.0	<0.50	<0.50	<250	
MW-5	8/15/2013	35.68	18.88	0.00	16.80	15.00	1.80	50	24	6.1	2.0	9.2	6.7	<0.50	<0.50	<250	
MW-5	2/6/2014	35.68	19.63	0.00	16.05	16.80	-0.75	1,400	13	7.4	2.3	13	1.8	<0.50	<0.50	<250	
MW-6	2/7/2012	32.19	18.02	0.00	14.17	14.71	-0.54	450	<0.50	<0.50	<0.50	<1.0	29	<0.50	<0.50	--	
MW-6	8/9/2012	32.19	17.17	0.00	15.02	14.17	0.85	180	<0.50	<0.50	<0.50	<1.0	10	<0.50	<0.50	<250	
MW-6	2/27/2013	32.19	17.48	0.00	14.71	15.02	-0.31	77	<0.50	<0.50	<0.50	<1.0	2.4	<0.50	<0.50	<250	
MW-6	8/15/2013	34.89	18.35	0.00	16.54	14.71	1.83	<50	<0.50	<0.50	<0.50	<1.0	0.82	<0.50	<0.50	<250	
MW-6	2/6/2014	34.89	19.10	0.00	15.79	16.54	-0.75	150	<0.50	<0.50	<0.50	<1.0	0.81	<0.50	<0.50	<250	
MW-7	2/7/2012	32.22	18.40	0.00	13.82	14.39	-0.57	310	25	2	<0.50	3.2	9.0	<0.50	<0.50	--	
MW-7	8/9/2012	32.22	17.53	0.00	14.69	13.82	0.87	280	11	1.2	<0.50	<1.0	24	<0.50	<0.50	<250	
MW-7	2/27/2013	32.22	17.85	0.00	14.37	14.69	-0.32	<50	<0.50	<0.50	<0.50	<1.0	3.8	<0.50	<0.50	<250	
MW-7	8/15/2013	34.92	18.70	0.00	16.22	14.37	1.85	95	11	1.3	<0.50	<1.0	5.0	<0.50	<0.50	<250	

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	TOC Elevation (feet	DTW (feet btoc)	LPH Thickness (feet)	GW Elevation (feet	Previous Quarter GWE (feet AMSL)	Change in Elevation (feet)	TPPH (8015B-GC/MC)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-7	2/6/2014	34.92	19.45	0.00	15.47	16.22	-0.75	790	66 A01	10	2.5	17	47	<0.50	<0.50	<250	
MW-8	2/7/2012	32.03	18.15	0.00	13.88	14.50	-0.62	<50	<0.50	<0.50	<0.50	<1.0	0.75	<0.50	<0.50	--	
MW-8	8/9/2012	32.03	17.29	0.00	14.74	13.88	0.86	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	2/27/2013	32.03	17.58	0.00	14.45	14.74	-0.29	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	8/15/2013	34.73	18.46	0.00	16.27	14.45	1.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-8	2/6/2014	34.73	19.24	0.00	15.49	16.27	-0.78	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
706 Harrison Street																	
MW-1	2/7/2012	29.17	17.33	0.00	11.84	15.22	-3.38	8,900	1,000	260	230	610	420	<0.50	<0.50	--	A01
MW-1	8/9/2012	29.17	16.58	0.00	12.59	11.84	0.75	2,200	850	110	42	120	84	<5.0	<5.0	<2,500	A01
MW-1	2/27/2013	29.17	17.03	0.00	12.14	12.59	-0.45	--	--	--	--	--	--	--	--	--	Parked Car
MW-1	8/15/2013	29.17	17.89	0.00	11.28	12.14	-0.86	5,800	840	100	93	160	790	<5.0	<5.0	<2,500	A01
MW-1	2/6/2014	29.17	--	0.00	--	--	--	--	--	--	--	--	--	--	--	--	Parked Car
MW-2	2/7/2012	30.53	17.90	0.00	12.63	15.42	-2.79	36,000	1,100	3,600	990	4,200	1,600	<5.0	<5.0	--	A01
MW-2	8/9/2012	30.53	16.90	0.00	13.63	12.63	1.00	5,100	810	1,800	440	1,900	4,100	<50	<50	<25,000	A01
MW-2	2/27/2013	30.53	17.36	0.00	13.17	13.63	-0.46	45,000	1,700	2,500	1,200	4,900	2,700	<50	1.0	<250	A01
MW-2	8/15/2013	30.53	18.20	0.00	12.33	13.17	-0.84	1,500	1,200	5,600	820	4,400	1,700	<5.0	<5.0	<2,500	A01
MW-2	2/6/2014	30.53	20.20	0.00	10.33	12.33	-2.00	5200 A01	1400 A01	5200 A01	1300 A01	5000 A01	3000 A01	<0.50	<0.50	<250	A01
MW-3	2/7/2012	29.79	17.23	0.00	12.56	14.88	-2.32	<50	<0.50	<0.50	<0.50	<1.0	110	<0.50	<0.50	--	A01
MW-3	8/9/2012	29.79	16.32	0.00	13.47	12.56	0.91	<50	<0.50	<0.50	<0.50	<1.0	0.80	<0.50	<0.50	<250	
MW-3	2/27/2013	29.79	16.75	0.00	13.04	13.47	-0.43	<50	<0.50	<0.50	<0.50	<1.0	1.2	<0.50	<0.50	<250	
MW-3	8/15/2013	29.79	17.60	0.00	12.19	13.04	-0.85	86	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/6/2014	29.79	18.36	0.00	11.43	12.19	-0.76	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/7/2012	31.20	18.43	0.00	12.77	14.87	-2.10	1,800	140	15	21	32	430	<0.50	<0.50	--	A01
MW-4	8/9/2012	31.20	--	--	--	12.77	--	--	--	--	--	--	--	--	--	--	Parked Car
MW-4	2/27/2013	31.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Parked Car
MW-4	8/15/2013	31.20	18.70	0.00	12.50	--	--	1,100	620	38	62	67	1,200	<2.5	<2.5	<1,200	A01
MW-4	2/6/2014	31.20	20.68	0.00	10.52	12.50	--	620	850 A01	29	54	62	600 A01	<0.50	<0.50	<250	
MW-5	2/7/2012	28.07	16.45	0.00	11.62	14.93	-3.31	<50	<0.50	<0.50	<0.50	1.6	190	<0.50	<0.50	--	A01
MW-5	8/9/2012	28.07	15.22	0.00	12.85	11.62	1.23	<50	<0.50	<0.50	<0.50	<1.0	13	<0.50	<0.50	<250	
MW-5	2/27/2013	28.07	15.68	0.00	12.39	12.85	-0.46	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-5	8/15/2013	28.07	16.55	0.00	11.52	12.39	-0.87	<50	<0.50	<0.50	<0.50	<1.0	0.72	<0.50	<0.50	<250	
MW-5	2/6/2014	28.07	17.37	0.00	10.70	11.52	-0.82	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	2/7/2012	29.13	17.51	0.00	11.62	14.71	-3.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	--	
MW-6	8/9/2012	29.13	16.41	0.00	12.72	11.62	1.10	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	2/27/2013	29.13	16.93	0.00	12.20	12.72	-0.52	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	TOC Elevation (feet	DTW (feet btoc)	LPH Thickness (feet)	GW Elevation (feet	Previous Quarter GWE (feet AMSL)	Change in Elevation (feet)	TPPH (8015B-GC/MC)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-6	8/15/2013	29.13	17.78	0.00	11.35	12.20	-0.85	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-6	2/6/2014	29.13	18.48	0.00	10.65	11.35	-0.70	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	2/7/2012	29.70	17.40	0.00	12.30	14.39	-2.09	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	--	
MW-7	8/9/2012	29.70	16.38	0.00	13.32	12.30	1.02	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	2/27/2013	29.70	16.83	0.00	12.87	13.32	-0.45	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	8/15/2013	29.70	17.67	0.00	12.03	12.87	-0.84	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-7	2/6/2014	29.70	18.42	0.00	11.28	12.03	-0.75	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
SP-3	2/27/2013	*--	--	--	*--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
SP-4	2/27/2013	*--	--	--	*--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
SP-5	2/27/2013	*--	--	--	*--	--	--	--	--	--	--	--	--	--	--	--	Unable to Locate
726 Harrison Street																	
AS-1	8/15/2013	34.50	18.17	0.00	16.33	--	--	--	--	--	--	--	--	--	--	--	
EW-1	2/27/2013	*--	18.17	0.00	*--	--	--	960	180	6.0	3.6	12	170	<0.50	<0.50	<250	A01
EW-1	8/15/2013	34.37	18.98	0.00	15.39	--	--	290	67	1.7	1.3	3.3	57	<0.50	<0.50	<250	
EW-1	2/6/2014	34.37	19.69	0.00	14.68	15.39	-0.71	640	68	1.2	7.9	7.0	180 A01	<0.50	<0.50	<250	
MP-1	8/15/2013	34.16	19.03	0.00	15.13	--	--	<50	<0.50	<0.50	<0.50	<1.0	2.4	<0.50	<0.50	<250	
MP-1	2/6/2014	34.16	21.07	0.00	13.09	15.13	-2.04	<50	<0.50	<0.50	<0.50	<1.0	1.8	<0.50	<0.50	<250	
MPE-1	8/15/2013	34.36	19.24	0.00	15.12	--	--	820	110	23	17	45	610	<0.50	<0.50	<250	A01
MPE-1	2/6/2014	34.36	20.00	0.00	14.36	15.12	-0.76	460	93 A01	24	13	29	410 A01	<0.50	<0.50	<250	
MW-1	2/7/2012	31.98	18.77	0.00	13.21	15.22	-2.01	370	46	1.7	4.2	4.5	3,800	<0.50	<0.50	--	A01
MW-1	8/9/2012	31.98	17.82	0.00	14.16	13.21	0.95	6600	760	27	58	60	6,700	<0.50	<0.50	--	A01
MW-1	2/27/2013	31.98	18.21	0.00	13.77	14.16	-0.39	3,000	480	26	52	56	2,600	<0.50	<0.50	<250	A01
MW-1	8/15/2013	34.45	19.03	0.00	15.42	13.77	1.65	7,200	820	50	65	99	7,300	<5.0	<5.0	<2,500	A01
MW-1	2/6/2014	34.45	19.87	0.00	14.58	15.42	-0.84	2600 A01	1800 A01	86	400 A01	250	10000 A01	<0.50	<0.50	<250	
MW-2	2/7/2012	32.44	19.52	0.00	12.92	15.42	-2.50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	--	
MW-2	8/9/2012	32.44	18.55	0.00	13.89	12.92	0.97	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	--	
MW-2	2/27/2013	32.44	18.95	0.00	13.49	13.89	-0.40	<50	<0.50	<0.50	<0.50	<1.0	1.7	<0.50	<0.50	<250	
MW-2	8/15/2013	34.91	19.77	0.00	15.14	13.49	1.65	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-2	2/6/2014	34.91	21.20	0.00	13.71	15.14	-1.43	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-3	2/7/2012	31.64	18.71	0.00	12.93	14.88	-1.95	25	<0.50	<0.50	<0.50	<1.0	2.1	<0.50	<0.50	--	J
MW-3	8/9/2012	31.64	17.74	0.00	13.90	12.93	0.97	39	<0.50	<0.50	<0.50	<1.0	9.2	<0.50	<0.50	--	J

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	TOC Elevation (feet	DTW (feet btoc)	LPH Thickness (feet)	GW Elevation (feet	Previous Quarter GWE (feet AMSL)	Change in Elevation (feet)	TPPH (8015B-GC/MC)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	EDB	EDC	Ethanol	Comments
MW-3	2/27/2013	31.64	18.12	0.00	13.52	13.90	-0.38	<50	<0.50	<0.50	<0.50	<1.0	2.8	<0.50	<0.50	<250	
MW-3	8/15/2013	34.12	18.95	0.00	15.17	13.52	1.65	<50	<0.50	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<250	
MW-3	2/6/2014	34.12	19.70	0.00	14.42	15.17	-0.75	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<250	
MW-4	2/7/2012	32.56	19.09	0.00	13.47	14.87	-1.40	210	<0.50	<0.50	<0.50	<1.0	17	<0.50	<0.50	--	
MW-4	8/9/2012	32.56	18.16	0.00	14.40	13.47	0.93	280	2	<0.50	<0.50	<1.0	21	<0.50	<0.50	--	
MW-4	2/27/2013	32.56	18.50	0.00	14.06	14.40	-0.34	170	1.8	<0.50	<0.50	<1.0	22	<0.50	<0.50	<250	
MW-4	8/15/2013	35.05	19.34	0.00	15.71	14.06	1.65	98	<0.50	<0.50	<0.50	<1.0	25	<0.50	<0.50	<250	
MW-4	2/6/2014	35.05	20.09	0.00	14.96	15.71	-0.75	<50	<0.50	<0.50	<0.50	<1.0	9.4	<0.50	<0.50	<250	
MW-5	2/7/2012	32.06	19.16	0.00	12.90	14.93	-2.03	19,000	890	410	360	990	17,000	<6.2	<6.2	--	A01
MW-5	8/9/2012	32.06	18.24	0.00	13.82	12.90	0.92	16,000	1,400	580	470	960	16,000	<5.0	<5.0	--	A01
MW-5	2/27/2013	32.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Parked Car
MW-5	8/15/2013	34.76	19.40	0.00	15.36	--	--	8,000	1,900	590	390	1,100	20,000	<0.50	<0.50	<250	A01
MW-5	2/6/2014	34.76	21.45	0.00	13.31	15.36	-2.05	3400 A01	1900 A01	150 A01	240 A01	220	7600 A01	<0.50	<0.50	<250	
MW-6	2/7/2012	32.04	26.53	0.00	5.51	14.71	-9.20	410	<0.50	<0.50	<0.50	<1.0	970	<0.50	0.79	--	A01
MW-6	8/9/2012	32.04	28.27	0.00	3.77	5.51	-1.74	830	<0.50	<0.50	<0.50	<1.0	970	<0.50	1.2	--	A01
MW-6	2/27/2013	32.04	26.48	0.00	5.56	3.77	1.79	<50	<0.50	<0.50	<0.50	<1.0	970	<0.50	0.70	<250	A01
MW-6	8/15/2013	34.53	28.85	0.00	5.68	5.56	0.12	58	<0.50	<0.50	<0.50	<1.0	1,000	<0.50	0.79	<250	A01
MW-6	2/6/2014	34.53	27.50	0.00	7.03	5.68	1.35	<50	<0.50	<0.50	<0.50	<1.0	1100 A01	<0.50	<0.50	<250	

Table 2
Historical Groundwater Gauging and Analytical Results
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Notes

Analytical results given in micrograms per liter (µg/L).

Muir Constulting, Inc. completed a survey of 726 Harrison well locations on August 21, 2013. Elevation data for 800 Harrison Street was converted by using the National Geodetic Survey (NGS) online conversion calculator located from NAV29 to NAV88. The 706 Harrison Street data was not converted due to discrepencies of the data.

Standard Abbreviations

--	not analyzed, measured, or collected
*--	not surveyed
<	not detected at or above laboratory detection limit
TOC	top of casing (surveyed reference elevation)
AMSL	above mean sealevel
DTW	depth to water
btoc	below top of casing
LPH	liquid-phase hydrocarbons
GW	groundwater
µg/L	micrograms per liter (approx. equivalent to parts per billion, ppb)
**	Survey completed 8/21/2013
8260B	EPA Method 8260B for Volatile Organic Compounds
GC/MS	gas chromatography–mass spectrometry for TPPH
A01	PQL's and MDL's are raised due to sample dilution.

Analytes

TPPH	total purgeable petroleum hydrocarbons
MTBE	methyl tertiary butyl ether
EDB	1,2-dibromoethane
EDC	1,2-dichloroethane (same as ethylene dichloride)

Table 2A
Historical Additional Groundwater Analytical Results - MNA Parameters
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Methane (mg/l)	Alkalinity as CaCO3 (mg/l)	Nitrate as NO3 (mg/l)	Nitrite as NO2 (mg/l)	Sulfate (mg/l)	Non-Volatile Organic Carbon	Comments
800 Harrison Street								
MW-1	8/9/2012	0.026	69	1.9	<0.17	10	1.6	
MW-1	2/27/2013	0.0019	56	1.2	<0.17	9.0	0.87	
MW-1	8/15/2013	<0.0010	45	1.9	<0.17	12	0.75	
MW-1	2/6/2014	0.010	34	1.6	<0.17	7.9	1.1	
MW-2	8/9/2012	0.076	190	19	0.38	130	1.4	
MW-2	2/27/2013	0.055	320	16	0.24	160	2.1	
MW-2	8/15/2013	<0.0010	68	10	<0.17	60	0.88	
MW-2	2/6/2014	0.014	110	6.4	<0.17	110	0.70	
MW-3	8/9/2012	6.3	290	<0.44	<0.17	3.5	2.9	A01, S01
MW-3	2/27/2013	4.4	390	<0.44	<0.17	4.5	4	A01
MW-3	8/15/2013	1.6	230	<0.44	<0.17	11	3.7	A01
MW-3	2/6/2014	8.7	420	<0.44	<0.17	4.6	5.1	
MW-4	8/9/2012	0.031	98	4.3	<0.17	22	0.90	
MW-4	2/27/2013	0.0023	130	9.7	<0.17	25	0.89	
MW-4	8/15/2013	0.0017	68	2.2	<0.17	14	1.2	
MW-4	2/6/2014	0.0053	81	3.1	<0.17	17	1.3	
MW-5	8/9/2012	2.9	140	<0.44	<0.17	2.5	1.7	A01
MW-5	2/27/2013	1.9	200	<0.44	<0.17	24	2.1	A01
MW-5	8/15/2013	0.0040	150	<0.44	<0.17	7.4	2.9	
MW-5	2/6/2014	3.3	190	<0.44	<0.17	<1.0	2.4	
MW-6	8/9/2012	0.18	130	<0.44	<0.17	16	1.0	A01
MW-6	2/27/2013	0.19	99	0.45	<0.17	13	0.75	
MW-6	8/15/2013	<0.0010	110	0.71	<0.17	13	2.0	
MW-6	2/6/2014	1.8	170	<0.44	<0.17	26	2.9	
MW-7	8/9/2012	0.43	180	<0.44	<0.17	17	2.7	A01
MW-7	2/27/2013	0.13	140	<0.44	<0.17	38	1.1	
MW-7	8/15/2013	<0.0010	100	<0.44	<0.17	17	2.1	
MW-7	2/6/2014	1.3	74	<0.44	<0.17	4.3	1.8	
MW-8	8/9/2012	0.0041	130	1.3	<0.17	37	1.6	
MW-8	2/27/2013	0.0027	190	<0.44	<0.17	49	2.7	
MW-8	8/15/2013	<0.0010	98	1.0	<0.17	17	1.9	
MW-8	2/6/2014	0.0035	180	<0.44	<0.17	20	1.5	
706 Harrison Street								
MW-1	8/9/2012	0.28	250	<0.44	<0.17	51	7.3	A01
MW-1	2/27/2013	--	--	--	--	--	--	Parked Car
MW-1	8/15/2013	0.32	430	<0.44	<0.17	34	12	A01
MW-1	2/6/2014	--	--	--	--	--	--	Parked Car
MW-2	8/9/2012	6.8	500	<0.44	<0.17	<1.0	15	A01, S01
MW-2	2/27/2013	4.9	530	<0.44	<0.17	4.1	16	A01, A10
MW-2	8/15/2013	3.3	520	<0.44	<0.17	<1.0	24	A01
MW-2	2/6/2014	6.5	490	<0.44	<0.17	<1.0	20 A01	

Table 2A
Historical Additional Groundwater Analytical Results - MNA Parameters
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Methane (mg/l)	Alkalinity as CaCO3 (mg/l)	Nitrate as NO3 (mg/l)	Nitrite as NO2 (mg/l)	Sulfate (mg/l)	Non-Volatile Organic Carbon	Comments
MW-3	8/9/2012	<0.0010	130	43	<0.17	61	1.4	
MW-3	2/27/2013	0.0029	130	39	<0.17	52	1.1	
MW-3	8/15/2013	0.0036	120	34	<0.17	44	1.4	
MW-3	2/6/2014	0.0072	110	33	<0.17	37	1.7	
MW-4	8/9/2012	--	--	--	--	--	--	Parked Car
MW-4	2/27/2013	--	--	--	--	--	--	Parked Car
MW-4	8/15/2013	0.45	510	<0.44	<0.17	4.0	15	A01
MW-4	2/6/2014	2.1	440	<0.44	<0.17	9.8	12 A01	
MW-5	8/9/2012	<0.0010	150	19	<0.17	49	2.0	
MW-5	2/27/2013	0.0026	150	17	<0.17	46	2.1	
MW-5	8/15/2013	0.0010	150	19	<0.17	51	2.6	
MW-5	2/6/2014	0.0023	160	15	<0.17	51	2.8	
MW-6	8/9/2012	0.0082	140	<0.44	<0.17	27	1.9	
MW-6	2/27/2013	0.0019	190	<0.44	<0.17	60	2.4	
MW-6	8/15/2013	<0.0010	180	<0.44	<0.17	62	3.4	
MW-6	2/6/2014	0.0017	150	<0.44	<0.17	38	2.7	
MW-7	8/9/2012	0.0045	230	<0.44	<0.17	49	3.0	
MW-7	2/27/2013	0.0012	260	<0.44	<0.17	56	3.4	
MW-7	8/15/2013	<0.0010	250	<0.44	<0.17	58	4.4	
MW-7	2/6/2014	0.030	220	<0.44	<0.17	38	3.6	
SP-3	2/27/2013	--	--	--	--	--	--	Unable to Locate
SP-4	2/27/2013	--	--	--	--	--	--	Unable to Locate
SP-5	2/27/2013	--	--	--	--	--	--	Unable to Locate
726 Harrison Street								
AS-1	8/15/2013	--	--	--	--	--	--	
EW-1	2/27/2013	0.91	210	0.5	<0.17	10	3.2	A01
EW-1	8/15/2013	<0.0010	150	1.1	<0.17	13	2.5	
EW-1	2/6/2014	1.2 A01	230	<0.44	<0.17	12	5.0	
MP-1	8/15/2013	0.51	230	<0.44	<0.17	14	6.4	
MPE-1	8/15/2013	<0.0010	82	66	<0.17	27	1.1	
MW-1	8/9/2012	--	--	--	--	--	--	
MW-1	2/27/2013	0.51	230	<0.44	<0.17	14	6.4	
MW-1	8/15/2013	1.7	430	<0.44	<0.17	<1.0	29	A01
MW-1	2/6/2014	6.3	370	<0.44	<0.17	<1.0	33 A01	
MW-2	8/9/2012	--	--	--	--	--	--	
MW-2	2/27/2013	<0.0010	82	66	<0.17	27	1.1	
MW-2	8/15/2013	0.0021	97	62	<0.17	32	2.6	
MW-2	2/6/2014	0.0058	150	38	<0.17	38	1.9	

Table 2A
Historical Additional Groundwater Analytical Results - MNA Parameters
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Methane (mg/l)	Alkalinity as CaCO3 (mg/l)	Nitrate as NO3 (mg/l)	Nitrite as NO2 (mg/l)	Sulfate (mg/l)	Non-Volatile Organic Carbon	Comments
MW-3	8/9/2012	--	--	--	--	--	--	
MW-3	2/27/2013	0.0012	160	<0.44	<0.17	22	2.0	
MW-3	8/15/2013	<0.0010	160	<0.44	<0.17	19	1.9	
MW-3	2/6/2014	0.0062	140	<0.44	<0.17	18	1.7	
MW-4	8/9/2012	--	--	--	--	--	--	
MW-4	2/27/2013	0.32	400	<0.44	<0.17	13	4.8	
MW-4	8/15/2013	<0.0010	290	<0.44	<0.17	15	3.9	
MW-4	2/6/2014	2.4	310	<0.44	<0.17	17	4.0	
MW-5	8/9/2012	--	--	--	--	--	--	
MW-5	2/27/2013	--	--	--	--	--	--	Parked Car
MW-5	8/15/2013	2.2	670	<0.44	<0.17	<1.0	28	A01
MW-5	2/6/2014	11 A01	430	<0.44	<0.17	<1.0	11 A01	
MW-6	8/9/2012	--	--	--	--	--	--	
MW-6	2/27/2013	0.0033	170	6.2	<0.17	25	0.70	
MW-6	8/15/2013	0.0051	180	6.3	<0.17	26	7.4	A01
MW-6	2/6/2014	0.0019	170	3.9	<0.17	24	0.91	

Notes

Analytical results given in milligrams per liter (mg/l)

Standard Abbreviations

--	not analyzed, measured, or collected
<	not detected at or above laboratory detection limit
mg/l	milligrams per liter (approx. equivalent to parts per million, ppm)

Analytes

CaCO3	calcium carbonate
NO3	nitrate
NO2	nitrogen dioxide
EDC	1,2-dichloroethane (same as ethylene dichloride)
A01	PQL's and MDL's are raised due to sample dilution.
PQL	practical quantitation limit
MDL	method detection limit
A10	PQL's and MDL's were raised due to matrix interference.
S01	sample result is not within the quantitation range of the method.

Table 2B
Historical Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	Acenaph-thene	Acenaph-thylene	Aldrin	Aniline (Benze-neamine)	Anthra-cene	Benzi-dine	Benzo (a) Anthra-cene	Benzo (b) Fluoran-	Benzo (k) Fluoran-	Benzo (a) Pyrene	Benzo (g,h,i) Perylene	Benzoic Acid	Benzyl Alcohol	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane	bis (2-Chloro-ethoxy)	bis (2-Chloroethyl) ether	bis (2-Ethylhexyl) phthalate	4-Bromo-phenyl-phenylether	4-Chloro-aniline	2-Chloro-naph-thalene	4-Chloro-phenyl phenyl	Chrysene	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dibenz (a,h) anthracen	Dibenzo-furan
800 Harrison Street																															
MW-1	2/7/2012	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<3.0	<2.0
MW-1	8/9/2012	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<3.0	<2.0
MW-1	2/27/2013	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<3.0	<2.0
MW-1	8/15/2013	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<3.0	<2.0
MW-1	2/6/2014	<2.0	<2.0	<2.0	<5.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<3.0	<2.0	<3.0	<2.0
MW-2	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2B
Historical Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	3,3-Dichloro-benzidine	Dieldrin	Diethyl-phthalate	Dimethyl-phthalate	Di-n-butyl-phthalate	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl-phthalate	1,2-Diphenyl-hydrazin	Endosulfan I (alpha-Endosulfa	Endo-sulfan II	Endo-sulfan Sulfate	Endrin	Endrin Aldehyde	Fluor-anthene	Fluorene	Hepta-chlor	Hepta-chlor Epoxide	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexachlor o-cyclo-pentadiene	Hexa-chloro-ethane	Indeno (1,2,3-cd)	Iso-phorone	2-Methyl-naph-thlalene	Naph-thalene	2-Naph-thalene-amine
800 Harrison Street					--																										
MW-1	2/7/2012	<2.0	<2.0	<2.0	--	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20
MW-1	8/9/2012	<2.0	<2.0	<2.0	--	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20
MW-1	2/27/2013	<2.0	<2.0	<2.0	--	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20
MW-1	8/15/2013	<2.0	<2.0	<2.0	--	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20
MW-1	2/6/2014	<2.0	<2.0	<2.0	<10	<3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<3.0	<2.0	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20
MW-2	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2B
Historical Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Well ID	Date Sampled	2-Nitro-aniline	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	N-Nitro-sodimethyl-amine	N-Nitro-sodi-n-propylamin	N-Nitrosodi-phenylamine	Phenan-threne	Pyrene	1,2,4-Trichloro-benzene	4-Chloro-3-methyl-phenol	p-Chloro-m-cresol	2-Chloro-phenol	2,4-Dichloro-phenol	2,4-Dimethyl-phenol	4,6-Dinitro-2-methyl-phenol	2,4-Dinitro-phenol	2-Methyl-phenol	3-/4-Methyl-phenol	2-Nitro-phenol	4-Nitro-phenol	Penta-chloro-phenol	Phenol	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol
800 Harrison Street																										
MW-1	2/7/2012	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	<5.0	<2.0	<2.0	<2.0	<10	<10	<2.0	<2.0	<2.0	<2.0	<10	<2.0	--	--
MW-1	8/9/2012	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	<5.0	<2.0	<2.0	<2.0	<10	<10	<2.0	<2.0	<2.0	<2.0	<10	<2.0	--	--
MW-1	2/27/2013	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	<5.0	<2.0	<2.0	<2.0	<10	<10	<2.0	<2.0	<2.0	<2.0	<10	<2.0	--	--
MW-1	8/15/2013	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	--	<5.0	<2.0	<2.0	<2.0	<10	<10	<2.0	<2.0	<2.0	<2.0	<10	<2.0	--	--
MW-1	2/6/2014	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	--	<2.0	<2.0	<2.0	<10	<10	<2.0	<2.0	<2.0	<2.0	<10	<2.0	<5.0	<5.0
MW-2	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/7/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/9/2012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/27/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	8/15/2013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	2/6/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2B
Historical Additional Groundwater Analytical Results - VOCs
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street, Oakland, California

Notes
Analytical results given in micrograms per liter (µg/l).

Standard Abbreviations
-- not analyzed, measured, or collected
< not detected at or above laboratory detection limit

Table 2C
Historical Additional Groundwater Analytical Results - Metals
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Dissolved Cadmium	Dissolved Chromium	Dissolved Iron	Dissolved Lead	Dissolved Nickel	Dissolved Zinc	Comments
800 Harrison Street								
MW-1	2/7/2012	<10	<10	--	<50	<10	<10	
MW-1	8/9/2012	<10	<10	<50	<50	<10	<10	
MW-1	2/27/2013	<10	<10	<50	<50	<10	<10	
MW-1	8/15/2013	<10	<10	52	<50	<10	<10	
MW-1	2/6/2014	<10	<10	56	<50	<10	14	
MW-2	2/7/2012	--	--	--	--	--	--	
MW-2	8/9/2012	--	--	2,200	--	--	--	
MW-2	2/27/2013	--	--	56	--	--	--	
MW-2	8/15/2013	--	--	<50	--	--	--	
MW-2	2/6/2014	--	--	<50	--	--	--	
MW-3	2/7/2012	--	--	--	--	--	--	
MW-3	8/9/2012	--	--	5,700	--	--	--	
MW-3	2/27/2013	--	--	8,400	--	--	--	
MW-3	8/15/2013	--	--	4,200	--	--	--	
MW-3	2/6/2014	--	--	2,600	--	--	--	
MW-4	2/7/2012	--	--	--	--	--	--	
MW-4	8/9/2012	--	--	<50	--	--	--	
MW-4	2/27/2013	--	--	<50	--	--	--	
MW-4	8/15/2013	--	--	61	--	--	--	
MW-4	2/6/2014	--	--	480	--	--	--	
MW-5	2/7/2012	--	--	--	--	--	--	
MW-5	8/9/2012	--	--	860	--	--	--	
MW-5	2/27/2013	--	--	860	--	--	--	
MW-5	8/15/2013	--	--	580	--	--	--	
MW-5	2/6/2014	--	--	410	--	--	--	
MW-6	2/7/2012	--	--	--	--	--	--	
MW-6	8/9/2012	--	--	160	--	--	--	
MW-6	2/27/2013	--	--	<50	--	--	--	
MW-6	8/15/2013	--	--	100	--	--	--	
MW-6	2/6/2014	--	--	110	--	--	--	
MW-7	2/7/2012	--	--	--	--	--	--	
MW-7	8/9/2012	--	--	670	--	--	--	
MW-7	2/27/2013	--	--	1,000	--	--	--	
MW-7	8/15/2013	--	--	260	--	--	--	
MW-7	2/6/2014	--	--	480	--	--	--	
MW-8	2/7/2012	--	--	--	--	--	--	
MW-8	8/9/2012	--	--	680	--	--	--	
MW-8	2/27/2013	--	--	1,400	--	--	--	
MW-8	8/15/2013	--	--	71	--	--	--	
MW-8	2/6/2014	--	--	130	--	--	--	
706 Harrison Street								
MW-1	8/9/2012	--	--	830	--	--	--	
MW-1	2/27/2013	--	--	--	--	--	--	Parked Car

Table 2C
Historical Additional Groundwater Analytical Results - Metals
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Dissolved Cadmium	Dissolved Chromium	Dissolved Iron	Dissolved Lead	Dissolved Nickel	Dissolved Zinc	Comments
MW-1	8/15/2013	--	--	3,100	--	--	--	
MW-1	2/6/2014	--	--	--	--	--	--	Parked Car
MW-2	8/9/2012	--	--	6,900	--	--	--	
MW-2	2/27/2013	--	--	9,500	--	--	--	
MW-2	8/15/2013	--	--	7,800	--	--	--	
MW-2	2/6/2014	--	--	4,600	--	--	--	
MW-3	8/9/2012	--	--	<50	--	--	--	
MW-3	2/27/2013	--	--	<50	--	--	--	
MW-3	8/15/2013	--	--	<50	--	--	--	
MW-3	2/6/2014	--	--	<50	--	--	--	
MW-4	8/9/2012	--	--	--	--	--	--	
MW-4	2/27/2013	--	--	--	--	--	--	Parked Car
MW-4	8/15/2013	--	--	3,300	--	--	--	
MW-4	2/6/2014	--	--	340	--	--	--	
MW-5	8/9/2012	--	--	<50	--	--	--	
MW-5	2/27/2013	--	--	<50	--	--	--	
MW-5	8/15/2013	--	--	<50	--	--	--	
MW-5	2/6/2014	--	--	<50	--	--	--	
MW-6	8/9/2012	--	--	<50	--	--	--	
MW-6	2/27/2013	--	--	94	--	--	--	
MW-6	8/15/2013	--	--	120	--	--	--	
MW-6	2/6/2014	--	--	75	--	--	--	
MW-7	8/9/2012	--	--	860	--	--	--	
MW-7	2/27/2013	--	--	2,600	--	--	--	
MW-7	8/15/2013	--	--	340	--	--	--	
MW-7	2/6/2014	--	--	760	--	--	--	
SP-3	2/27/2013	--	--	--	--	--	--	Unable to Locate
SP-4	2/27/2013	--	--	--	--	--	--	Unable to Locate
SP-5	2/27/2013	--	--	--	--	--	--	Unable to Locate
726 Harrison Street								
AS-1	8/15/2013	--	--	--	--	--	--	
EW-1	2/27/2013	--	--	3,100	--	--	--	
EW-1	8/15/2013	--	--	1,300	--	--	--	
EW-1	2/6/2014	--	--	1,700	--	--	--	
MP-1	8/15/2013	--	--	3,500	--	--	--	
MPE-1	8/15/2013	--	--	<50	--	--	--	
MW-1	8/9/2012	--	--	--	--	--	--	
MW-1	2/27/2013	--	--	2,000	--	--	--	
MW-1	8/15/2013	--	--	3,500	--	--	--	

Table 2C
Historical Additional Groundwater Analytical Results - Metals
76 Station 0752/YEE/GIN Comingled Plume
706/726/800 Harrison Street Oakland, California

Well ID	Date Sampled	Dissolved Cadmium	Dissolved Chromium	Dissolved Iron	Dissolved Lead	Dissolved Nickel	Dissolved Zinc	Comments
MW-1	2/6/2014	--	--	950	--	--	--	
MW-2	8/9/2012	--	--	--	--	--	--	
MW-2	2/27/2013	--	--	<50	--	--	--	
MW-2	8/15/2013	--	--	<50	--	--	--	
MW-2	2/6/2014	--	--	<50	--	--	--	
MW-3	8/9/2012	--	--	--	--	--	--	
MW-3	2/27/2013	--	--	<50	--	--	--	
MW-3	8/15/2013	--	--	110	--	--	--	
MW-3	2/6/2014	--	--	<50	--	--	--	
MW-4	8/9/2012	--	--	--	--	--	--	
MW-4	2/27/2013	--	--	4,300	--	--	--	
MW-4	8/15/2013	--	--	1,300	--	--	--	
MW-4	2/6/2014	--	--	<50	--	--	--	
MW-5	8/9/2012	--	--	--	--	--	--	
MW-5	2/27/2013	--	--	--	--	--	--	Parked Car
MW-5	8/15/2013	--	--	7,300	--	--	--	
MW-5	2/6/2014	--	--	4,200	--	--	--	
MW-6	8/9/2012	--	--	--	--	--	--	
MW-6	2/27/2013	--	--	<50	--	--	--	
MW-6	8/15/2013	--	--	<50	--	--	--	
MW-6	2/6/2014	--	--	<50	--	--	--	

Notes

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

Standard Abbreviations

µg/l micrograms per liter (approx. equivalent to parts per billion, ppb)

ARCADIS

Attachment A

Field Data Sheets and General Procedures

GETTLER-RYAN INC.

TRANSMITTAL

February 18, 2014
G-R #385647

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
#351646/0752
800 Harrison Street
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **First Quarter Event of February 6, 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/351646 0752

WELL CONDITION STATUS SHEET

Client/ Facility #: **Chevron #351646 / 0752**
Site Address: **800 Harrison Street**
City: **Oakland, CA**

Job #: **385647**
Event Date: 2-10-19
Sampler: FT

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=Retap	Apron Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) Inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Y/N
MW-1	OK	→	→	[redacted] OK	OK	→	→	↓	↓	Emco | 12" | 2	
MW-2	OK	→	→	S=1	OK	→	→	↓	↓	Universal | 8" | 2	
MW-3	OK	→	→	→	→	→	→	↓	↓	Emco | 12" | 2	
MW-4	OK	→	→	→	→	→	→	↓	↓	Emco | 12" | 2	
MW-5	OK	→	→	→	→	→	→	↓	↓	Emco | 12" | 2	
MW-6	OK	→	→	S=3	→	→	→	↓	↓	[redacted] ↑ B. Longman [redacted] | 8" | 3	

Comments

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351646 / 0752**

Site Address: **800 Harrison Street**

City: **Oakland, CA**

Job #: **385647**

Event Date: 2/6/14

Sampler: GM

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=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-7	OK	—	—	—	—	—	→	N	N	EMCO/12/2	N
MW-8	OK	—	—	—	—	—	→	N	N	BRAINARD/8/3	↓
SMW-1	OK	—	→	S(3)	OK	—	→	N	N	BOART LONGYEAR/8/2	
S-MW-4	OK	—	→	S(2)	OK	—	→	N	N	MORRISON/8/a	
S-MW-6	OK	—	—	—	—	—	→	N	N	MORRISON/12/L	
EW-1	OK	—	—	—	—	—	→	N	N	↓ ↓ ↓	↓

Comments

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351646 / 0752**

Site Address: **800 Harrison Street**

City: **Oakland, CA**

Job #: **385647**

Event Date: 2/6/14

Sampler: AW

WELL ID	Vault Frame Condition	Gasket/ O-Ring (M) Missing (R) Replaced	Bolts (M) Missing (R) Replaced	Bolt Flanges B=Broken S=Stripped R=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
MP-1	OK	→	→	→	→	→	→	N	N	Brico / 12" / 2	
MPE-1	OK	→	→	→	→	→	→	↓	↓	↓	
S-MW2	OK	→	→	2S	OK	→	→	↓	↓	morrison / 8" / 2	
S-MW5	OK	→	→	2S	OK	→	→	↓	↓	morrison / 12" / 2	
A-MW4	OK	→	3M	3S	OK	→	→	Y	Y	BL / 8" / 3	
A-MW2	OK	→	→	→	→	→	→	N	N	Brainard Kilman / 8" / 3	

Comments

WELL CONDITION STATUS SHEET

Client/
Facility #: **Chevron #351646 / 0752**

Site Address: **800 Harrison Street**

City: **Oakland, CA**

Job #: **385647**

Event Date: 2-6-14

Sampler: ML

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
AMW-1	PARKED			OVER						→	YES
A-MW-3	OK	OK	1-M	1-B	OK	→	→	NO	NO	B. Kilman / 8"/3	NO
A-MW-5	OK	NA	→	→	OK	→	→	↓	↓	CHRISTY	↓
A-MW-6	OK	NA	→	→	OK	→	→	↓	↓	↓	↓
A-MW-7	OK	NA	→	→	OK	→	→	↓	↓	↓	↓

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-1 Date Monitored: 2.6.14
Well Diameter 1 (2) 4 in.
Total Depth 33.48 ft.
Depth to Water 21.09 ft.

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

☐ Check if water column is less then 0.50 ft.

12.39 xVF .17 = 2.10 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.56

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

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

Start Time (purge): 1052 Weather Conditions: LT. RAIN
Sample Time/Date: 1115 / 2.6.14 Water Color: BRN. Odor: (Y) / N SLIGHT
Approx. Flow Rate: — gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 21.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTU)
1056	2.0	7.46	762	18.7	PRE: 1.6	PRE: -25	PRE: 232
1100	4.0	7.43	758	19.0			
1104	6.0	7.41	752	19.2			
					POST: 1.4	POST: -31	POST: 296

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	1 x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	2 x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: EMCO 12" OK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-2 Date Monitored: 2.6.14
Well Diameter 1 (2) 4 in.
Total Depth 30.78 ft.
Depth to Water 20.82 ft.

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

☐ Check if water column is less then 0.50 ft.

9.96 xVF .17 = 1.69 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.81

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

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

Start Time (purge): 0730 Weather Conditions: CLOUDY
Sample Time/Date: 0750 / 2.6.14 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: 20.89

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTU)
0733	1.5	7.72	635	17.9	PRE: 2.3	PRE: 126	PRE: 95
0736	3.0	7.68	629	18.3			
0740	5.0	7.65	623	18.7			
					POST: 2.1	POST: 133	POST: 120

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	1 x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: UNIVERSAL 8" (1SE)

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-3 Date Monitored: 2.6.14
Well Diameter 1 (2) 4 in.
Total Depth 30.49 ft.
Depth to Water 19.96 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 .17 = 1.79 x3 case volume = Estimated Purge Volume: 5.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.06

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

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

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

Start Time (purge): 0850 Weather Conditions: LT. RAIN
Sample Time/Date: 0910 / 2.6.14 Water Color: CLOUDY Odor: (Y) N MODERATE
Approx. Flow Rate: — gpm. Sediment Description: NONE
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 20.01

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (25))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTU)
0853	1.5	7.32	851	18.3	PRE: .90	PRE: 19	PRE: 310
0856	3.0	7.29	849	18.7			
0900	5.0	7.26	842	19.1			
					POST: 1.1	POST: 27	POST: 406

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: EMCO/1244/OK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-4 Date Monitored: 2.6.14
Well Diameter 1 (2) 1 4 in.
Total Depth 32.03 ft.
Depth to Water 19.48 ft.

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

☐ Check if water column is less then 0.50 ft.

12.55 xVF .17 = 2.13 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.99

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

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

Start Time (purge): 0805 Weather Conditions: LT. RAIN
Sample Time/Date: 0830 / 2.6.14 Water Color: BRN. Odor: Y / (N)
Approx. Flow Rate: ✓ gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 19.53

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTU)
0809	2.0	7.67	622	18.1	PRE: 2.1	PRE: 131	PRE: 210
0813	4.0	7.64	619	18.6			
0817	6.0	7.63	612	19.0			
					POST: 1.9	POST: 125	POST: 296

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: Emulsion

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-5 Date Monitored: 2.6.14
Well Diameter 1/2/4 in.
Total Depth 31.60 ft.
Depth to Water 19.63 ft. ☐ Check if water column is less then 0.50 ft.

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

11.97 xVF .17 = 2.03 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.02

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

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

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

Start Time (purge): 1010 Weather Conditions: LT. RAIN
Sample Time/Date: 1032 / 2.6.14 Water Color: GRY Odor: Ⓨ / N MODERATE
Approx. Flow Rate: ✓ gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 19.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTW)
1014	2.0	7.38	761	18.6	PRE: 1.5	PRE: 12	PRE: 356
1018	4.0	7.35	758	19.0			
1022	6.0	7.32	754	19.3			
					POST: 1.3	POST: -85	POST: 462

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: EMCO 12" OK

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2.6.14 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-6 Date Monitored: 2.6.14
Well Diameter 1 (2) 4 in.
Total Depth 30.86 ft.
Depth to Water 19.10 ft.

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

☐ Check if water column is less then 0.50 ft.

11.76 xVF .17 = 1.99 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.45

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

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

Start Time (purge): 0930 Weather Conditions: LT. RAIN
Sample Time/Date: 0952 / 2.6.14 Water Color: GRAY Odor: Y / (N)
Approx. Flow Rate: / gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 19.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (MS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY (FTU)
0934	2.0	7.57	682	18.3	PRE: 1.3	PRE: 11	PRE: 356
0938	4.0	7.54	678	18.6			
0942	6.0	7.52	672	18.9			
					POST: 1.5	POST: -95	POST: 421

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: BOLT L. 8" (3 SF)

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2/6/14 (inclusive)

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

Well ID MW-7 Date Monitored: 2/6/14

Well Diameter 1 1/2 1 4 in.

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

Total Depth 31.40 ft.

Depth to Water 19.45 ft. ☐ Check if water column is less then 0.50 ft.

11.95 xVF 0.17 = 2.03 x3 case volume = Estimated Purge Volume: 6.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.84

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0720 Weather Conditions: RAIN

Sample Time/Date: 0800 / 2/6/14 Water Color: GRAY Odor: (Y) N SLIGHT

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

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 20.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0724	2.25	7.29	0.21	17.1	PRE: 2.2	PRE: -49	PRE: 299
0728	4.5	7.24	0.23	17.0			
0732	6.5	7.21	0.22	17.0			
					POST: 2.6	POST: -32	POST: 732

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2/6/14 (inclusive)
City: Oakland, CA Sampler: GM

Well ID MW-8 Date Monitored: 2/6/14
Well Diameter 1 (2) 4 in.
Total Depth 28.41 ft.
Depth to Water 19.24 ft.

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

☐ Check if water column is less then 0.50 ft.

9.17 xVF 0.17 = 1.55 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.07

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
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: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0820 Weather Conditions: RAIN
Sample Time/Date: 0855 / 2/6/14 Water Color: GRAY Odor: (Y) N SLIGHT
Approx. Flow Rate: — gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 20.67

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~mmhos~~/cm - µS)	Temperature (~~C~~ F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0824	2	7.21	0.46	13.0	PRE: 0.9	PRE: 69	PRE: 271
0827	3.5	7.17	0.49	18.0			
0830	5	7.15	0.49	12.9			
					POST: 1.3	POST: 78	POST: 694

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: MK

Well ID A-MW-1 Date Monitored:
Well Diameter 1 / 2 / 4 in.
Total Depth 24.39 ft.
Depth to Water 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.

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
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

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

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

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 (µmhos/cm µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
					PRE:	PRE:	PRE:
					POST:	POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: INACCESSIBLE - PARKED OVER, UNABLE TO LOCATE OWNER.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2-6-14 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID A-MW-2 Date Monitored: 2-6-14

Well Diameter 1/2/4 in.

Total Depth 24.84 ft.

Depth to Water 20.20 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.

4.64 xVF .17 = 0.78 x3 case volume = Estimated Purge Volume: 2.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.12

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

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

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

Start Time (purge): 1115 Weather Conditions: Rain/

Sample Time/Date: 1145 / 2-6-14 Water Color: Cloudy Odor: Y / N / Strong

Approx. Flow Rate: — gpm. Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 21.03

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~µS~~ mS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
1119	0.75	6.74	0.86	17.6	PRE: 1.0	PRE: 29	PRE: 453
1123	1.5	6.85	0.94	18.0			
1128	2.5	6.91	0.96	18.2	POST: 1.2	POST: 57	POST: 509

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-2	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 | Job Number: 385647
Site Address: 800 Harrison Street | Event Date: 2-6-14 (inclusive)
City: Oakland, CA | Sampler: ML

Well ID A-MW-3 | Date Monitored: 2-6-14
Well Diameter 1 1/2 4 in.
Total Depth 27.28 ft.
Depth to Water 18.36 ft.

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

☐ Check if water column is less then 0.50 ft.

8.92 xVF 1.7 = 1.5 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.14

Purge Equipment:

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

Sampling Equipment:

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

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

Start Time (purge): 0950 | Weather Conditions: RAIN
Sample Time/Date: 1020 / 2-6-14 | Water Color: BROWN | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: light
Did well de-water? no | If yes, Time: | Volume: gal. | DTW @ Sampling: 18.69

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0955	1.5	7.16	0.27	16.3	PRE: 2.1	PRE: 82	PRE: 129
1000	3	7.11	0.29	16.5			
1005	4.5	7.12	0.29	16.6	POST: 2.4	POST: 84	POST: 169

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-3	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2/6/14 (inclusive)
City: Oakland, CA Sampler: AW

Well ID A-MW-4 Date Monitored: 2-6-14
Well Diameter 1 1/2/4 in.
Total Depth 25.58 ft.
Depth to Water 20.68 ft.

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

☐ Check if water column is less then 0.50 ft.

4.90 xVF .17 = 0.83 x3 case volume = Estimated Purge Volume: 2-5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.66

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

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

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

Start Time (purge): 1030 Weather Conditions: Cloudy / Rainy
Sample Time/Date: 1100 / 2-6-14 Water Color: Cloudy Odor: Y / N Strong
Approx. Flow Rate: — gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 21.50

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
1033	1.0	6.86	0.62	17.1	PRE: 1.1	PRE: 36	PRE: 230
1036	2.0	6.93	0.77	17.3			
1040	2.5	6.99	0.83	17.6			
					POST: 1.3	POST: 47	POST: 280

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-4	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS:

Add/Replaced Gasket: Add/Replaced Bolt: Add/Replaced Lock: 1 Add/Replaced Plug: 1

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #351646 / 0752 | Job Number: 385647
Site Address: 800 Harrison Street | Event Date: 2-6-14 (inclusive)
City: Oakland, CA | Sampler: ML

Well ID: A-MW-5 | Date Monitored: 2-6-14
Well Diameter: 1 (2) 4 in.
Total Depth: 28.19 ft.
Depth to Water: 17.37 ft.

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

☐ Check if water column is less then 0.50 ft.

10.82 xVF .17 = 1.8 x3 case volume = Estimated Purge Volume: 5.4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.53

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

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

Start Time (purge): 0705 | Weather Conditions: RAIN
Sample Time/Date: 0735 / 2-6-14 | Water Color: Brown | Odor: Y / (N)
Approx. Flow Rate: — gpm. | Sediment Description: Light
Did well de-water? NO | If yes, Time: _____ | Volume: _____ gal. | DTW @ Sampling: 17.46

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (mmhos/cm - ~~uS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0711	2	6.82	0.46	18.1	PRE: 1.6	PRE: 36	PRE: 111
0717	4	6.84	0.42	18.3			
0722	5.5	6.85	0.44	18.4			
					POST: 1.9	POST: 39	POST: 141

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-5	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: ML

Well ID A-MW-6 Date Monitored: 2-6-14
Well Diameter 1 1/2 14 in.
Total Depth 25.95 ft.
Depth to Water 18.48 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.

7.47 xVF .17 = 1.2 x3 case volume = Estimated Purge Volume: 3.6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.97

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

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

Start Time (purge): 0755 Weather Conditions: RAIN
Sample Time/Date: 0825 / 2-6-14 Water Color: BROWN Odor: Y / (N)
Approx. Flow Rate: - gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 18.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0800	1.5	7.05	0.47	18.0	PRE: 1.1	PRE: 36	PRE: 101
0805	3	7.07	0.47	18.1			
0809	4	7.08	0.46	18.1			
					POST: 1.4	POST: 47	POST: 137

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-6	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: ML

Well ID A-MW-7 Date Monitored: 2-6-14
Well Diameter 1 2 4 in.
Total Depth 27.70 ft.
Depth to Water 18.42 ft.

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

☐ Check if water column is less then 0.50 ft.

9.28 xVF .17 = 1.5 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.27

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

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

Start Time (purge): 0850 Weather Conditions: RAIN
Sample Time/Date: 0920 / 2-6-14 Water Color: BROWN Odor: Y / N
Approx. Flow Rate: — gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 18.60

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0855	1.5	6.76	0.46	17.8	PRE: 1.4	PRE: 46	PRE: 176
0900	3	6.81	0.44	18.1			
0905	4.5	6.82	0.45	18.2			
					POST: 1.7	POST: 50	POST: 189

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
A-MW-7	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2-6-14 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID SP-3

Well Diameter 1/2/4 in.

Total Depth ft.

Depth to Water N/A ft.

Date Monitored: 2-6-14

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.

_____ 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 _____
Suction Pump _____
Grundfos _____
Peristaltic Pump _____
QED Bladder Pump _____
Other: _____

Sampling Equipment:

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

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

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 (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
					PRE:	PRE:	PRE:
					POST:	POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: Unable to locate.

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2-6-14 (inclusive)

City: **Oakland, CA** Sampler: ML

Well ID SP-4

Well Diameter ~~4~~ 12 14 in.

Total Depth — ft.

Depth to Water — ft.

Date Monitored: —

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.

— 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	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

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

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

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

Start Time (purge):
Sample Time/Date: /
Approx. Flow Rate: gpm
Did well de-water? If yes, Time: Volume: gal.

Weather Conditions:
Water Color: Odor: **Y / N**
Sediment Description:
DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
					PRE:	PRE:	PRE:
					POST:	POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: VTL

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2-6-14 (inclusive)

City: **Oakland, CA** Sampler: MC

Well ID SP-S

Well Diameter 1 2 4 in.

Total Depth — ft.

Depth to Water — ft.

Date Monitored: —

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.

— 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
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:

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

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

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 (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
					PRE:	PRE:	PRE:
					POST:	POST:	POST:

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

COMMENTS: VTL

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #351646 / 0752** Job Number: **385647**
Site Address: **800 Harrison Street** Event Date: 2/6/14 (inclusive)
City: **Oakland, CA** Sampler: GM

Well ID S-MW-1 Date Monitored: 2/6/14
Well Diameter 1 (2) 4 in.
Total Depth 27.49 ft.
Depth to Water 19.87 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.

7.62 xVF 0.17 = 1.29 x3 case volume = Estimated Purge Volume: 4 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.39

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer	X	Disposable Bailer	X
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Metal Filters	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
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: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0955 Weather Conditions: RAIN
Sample Time/Date: 1026 2/6/14 Water Color: GRAY Odor (Y) / N STRONG
Approx. Flow Rate: — gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 20.96

Time (2400 hr.)	Volume (gal.)	pH	Conductivity µS (~~umhos/cm~~ pS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	TURBIDITY
0957	1.5	7.10	0.72	17.3	PRE: 0.9	PRE: 62	PRE: 497
0959	3	7.06	0.71	17.6			
1002	4	7.04	0.70	17.5			
					POST: 1.6	POST: 49	POST: 999

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-1	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: AW

Well ID S-MW-2 Date Monitored: 2-6-14
Well Diameter 1 (2) 4 in.
Total Depth 28.00 ft.
Depth to Water 21.20 ft.

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

☐ Check if water column is less then 0.50 ft.

6.80 xVF .17 = 1.15 x3 case volume = Estimated Purge Volume: 3.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.56

Purge Equipment:

Disposable Bailer	✓
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	
QED Bladder Pump	
Other:	

Sampling Equipment:

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

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

Start Time (purge): 0900 Weather Conditions: Rainy
Sample Time/Date: 0935 / 2-6-14 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: moderate
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 22.44

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0905	1.5	6.91	0.43	17.0	PRE: 1.3	PRE: 57	PRE: 197
0910	2.5	7.02	0.50	17.3			
0915	3.5	7.05	0.51	17.4			
					POST: 1.4	POST: 70	POST: 240

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-2	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: ML

Well ID S-MW-3 Date Monitored: 2-6-14
Well Diameter 1 @ 4 in.
Total Depth 26.79 ft.
Depth to Water 19.70 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.

7.09 xVF .17 = 1.2 x3 case volume = Estimated Purge Volume: 3.6 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.18

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

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

Start Time (purge): 1035 Weather Conditions: RAIN
Sample Time/Date: 1105 12-6-14 Water Color: BROWN Odor: Y / N
Approx. Flow Rate: - gpm. Sediment Description: Light
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 19.86

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ~~(umhos/cm - uS)~~ mS	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
1040	1.25	6.96	0.22	16.0	PRE: 2.4	PRE: 96	PRE: 42
1045	2.5	7.01	0.24	16.2			
1050	4	7.00	0.25	16.2			
					POST: 2.7	POST: 101	POST: 90

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-3	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2/6/14 (inclusive)
City: Oakland, CA Sampler: GM

Well ID S-MW-4 Date Monitored: 2/6/14
Well Diameter 1 (2) 4 in.
Total Depth 29.31 ft.
Depth to Water 20.09 ft.

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

☐ Check if water column is less then 0.50 ft.

9.22 xVF 0.17 = 1.56 x3 case volume = Estimated Purge Volume: 5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.93

Purge Equipment:
Disposable Bailer X
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
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: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 0910 Weather Conditions: RAIN
Sample Time/Date: 0940 / 2/6/14 Water Color: GRAY Odor Y / N MODERATE
Approx. Flow Rate: — gpm. Sediment Description: SILT
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 21.14

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0912	1.5	7.01	0.60	17.6	PRE: 0.7	PRE: 70	PRE: 377
0915	3	6.99	0.62	17.5			
0919	5	6.95	0.62	17.4			
					POST: 1.4	POST: 78	POST: 802

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-4	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2/6/14 (inclusive)
City: Oakland, CA Sampler: AW

Well ID S-MW-5 Date Monitored: 2-6-14
Well Diameter 1 (2) 4 in.
Total Depth 28.50 ft.
Depth to Water 21.45 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.

7.05 xVF .17 = 1.19 x3 case volume = Estimated Purge Volume: 4.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.86

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

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

Start Time (purge): 0945 Weather Conditions: Rainy
Sample Time/Date: 1015 / 2-6-14 Water Color: Cloudy Odor: (Y) / N Moderate
Approx. Flow Rate: — gpm. Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 22.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0950	1.5	6.71	0.76	17.9	PRE: 1.0	PRE: 56	PRE: 186
0955	3.0	6.88	0.82	18.1			
1000	4.0	6.94	0.85	18.3			
					POST: 1.1	POST: 74	POST: 244

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-5	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2/6/14 (inclusive)

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

Well ID S-MW-6 Date Monitored: 2/6/14

Well Diameter 1 (2) 4 in.

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

Total Depth 49.29 ft.

Depth to Water 27.50 ft. ☐ Check if water column is less then 0.50 ft.

21.79 xVF 0.17 = 3.70 x3 case volume = Estimated Purge Volume: 12 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.95

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	X
Suction Pump	
Grundfos	
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: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1140 Weather Conditions: RAIN

Sample Time/Date: 1216/2/6/14 Water Color: CLEAR Odor: (Y) / N

Approx. Flow Rate: 1 gpm. Sediment Description: ~~SLIGHT~~ NONE

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 30.16

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	TURBIDITY
1144	4	6.92	0.43	17.9	PRE: 1.2	PRE: 2	PRE: 202
1148	8	6.91	0.42	17.9			
1152	12	6.90	0.42	18.1			
					POST: 1.4	POST: 8	POST: 277

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-MW-6	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2/6/14 (inclusive)

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

Well ID S-EW-1 Date Monitored: 2/6/14

Well Diameter 1/2/4/6 in.

Total Depth 28.67 ft.

Depth to Water 19.69 ft.

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

☐ Check if water column is less then 0.50 ft.

8.98 xVF 1.50 = 13.47 x3 case volume = Estimated Purge Volume: 41 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.43

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	X
Suction Pump	
Grundfos	
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: gal
Amt Removed from Well: gal
Water Removed:

Start Time (purge): 1040 Weather Conditions: RAIN

Sample Time/Date: 1128 / 2/6/14 Water Color: CLEAR Odor: Y / N SLIGHT

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

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 21.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
1047	14	7.05	0.51	18.2	PRE: 1.2	PRE: 10	PRE: 284
1054	28	6.94	0.50	18.0			
1101	42	6.91	0.49	18.1			
					POST: 0.9	POST: 25	POST: 366

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
S-EW-1	4 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	1 x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	3 x voa vial	YES	NP	BC LABS	METHANE
	1 x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752** Job Number: **385647**

Site Address: **800 Harrison Street** Event Date: 2-6-14 (inclusive)

City: **Oakland, CA** Sampler: AW

Well ID MPE-1 Date Monitored: 2-6-14

Well Diameter 1/2/4 in.

Total Depth 32.13 ft.

Depth to Water 20.00 ft.

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

☐ Check if water column is less then 0.50 ft.

12.13 xVF .66 = 8.00 x3 case volume = Estimated Purge Volume: 24.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.42

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

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

Start Time (purge): 0815 Weather Conditions: Rain-/

Sample Time/Date: 0845 / 2-6-14 Water Color: Cloudy Odor: (Y) / N Slight

Approx. Flow Rate: 2.0 gpm. Sediment Description: Cloudy

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 22.40

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0819	8.0	6.93	0.29	17.9	PRE: 1.1	PRE: 32	PRE: 316
0823	16.0	7.02	0.36	18.2			
0827	24.0	7.09	0.42	18.5			
					POST: 1.3	POST: 50	POST: 350

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
[illegible]	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
MPE-1	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 #351646 / 0752 Job Number: 385647
Site Address: 800 Harrison Street Event Date: 2-6-14 (inclusive)
City: Oakland, CA Sampler: AW

Well ID MP-1 Date Monitored: 2-6-14
Well Diameter 1/1 2/4 in.
Total Depth 30.00 ft.
Depth to Water 21.07 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.

8.93 xVF .04 = 0.35 x3 case volume = Estimated Purge Volume: 1.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.85

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

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

Start Time (purge): 0720 Weather Conditions: Rainy
Sample Time/Date: 0800 / 2-6-14 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: — gpm. Sediment Description: moderate
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 22.85

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	TURBIDITY
0725	0.35	6.94	0.67	15.2	PRE: 1.2	PRE: 31	PRE: 453
0730	0.70	7.02	0.74	15.5			
0735	1.0	7.04	0.77	15.9			
					POST: 1.4	POST: 44	POST: 506

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MP-1	x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260/ETHANOL(8260)
	6 x voa vial	YES	HCL	BC LABS	TPH-GRO(C6-C12)(8015B)/BTEX+MTBE(8260)/ EDB/EDC(8260
	x 500ml poly	YES	NP	BC LABS	DISSOLVED METALS (Cd, Cr, Pb, Ni, Zn) (6010)
	x 1 liter poly	YES	NP	BC LABS	DISSOLVED IRON/NITRATE/NITRITE/SULFATE/ ALKALINITY
	x voa vial	YES	NP	BC LABS	METHANE
	x 500ml ambers	YES	H2SO4	BC LABS	TOC
	x 1 liter ambers	YES	NP	BC LABS	SVOC's(8270)

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 2

Union Oil Site ID: [illegible]	Union Oil Consultant: [illegible]
Site Global ID: T0600101486	Consultant Contact: [illegible]
Site Address: [illegible]	Consultant Phone No.: [illegible] -596-[illegible]
Union Oil PM: [illegible]	Sampling Company: ~~TRC~~ Gettler-Ryan
Union Oil PM Phone No.: [illegible]-790-[illegible]	Sampled By (PRINT): [illegible]
Charge Code: NWRTB- 0 [illegible] -0- LAB	Sampler Signature: [signature]

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

BC Laboratories, Inc.
Project Manager: Molly Meyers
4100 Atlas Court, Bakersfield, CA 93308
Phone No. 661-327-4911

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

Special Instructions

ANALYSES REQUIRED

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by GC/MS	BTEX/MTBE/OXYS by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC	Dissolved Nitrate/Nitrite Alkalinity	Methane	TOC	Dissolved Metals	[illegible]	Notes / Comments
QA	W-S-A		140206	—	2		X	X									
MW-1	W-S-A		↓	1115	14		X	X	X		X	X	X	X	X	X	
MW-2	W-S-A			0750	11		X	X	X		X	X	X	X			
MW-3	W-S-A			0910	11		X	X	X		X	X	X	X			
MW-4	W-S-A			0830	11		X	X	X		X	X	X	X			
MW-5	W-S-A			1032	11		X	X	X		X	X	X	X			
MW-6	W-S-A			0952	11		X	X	X		X	X	X	X			
MW-7	W-S-A			0800	11		X	X	X		X	X	X	X			
MW-8	W-S-A			0855	11		X	X	X		X	X	X	X			
A-MW-2	W-S-A			1145	11		X	X	X		X	X	X	X			
A-MW-3	W-S-A			1020	11		X	X	X		X	X	X	X			
A-MW-4	W-S-A		↓	1100	11		X	X	X		X	X	X	X			

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	G-R	2-6-14 (1330)	[signature]	[illegible]	[illegible] 1500			
Received By	**Company**	**Date / Time:**	**Received By**	**Company**	**Date / Time :**	**Received By**	**Company**	**Date / Time:**
[illegible]	Gettler-Ryan	[illegible]	Mary Bogan	BC Lab	2-6-14 1500			

CHAIN OF COSTODY FORM

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

COC 2 of 2

Union Oil Site ID: 0752	Union Oil Consultant: Arcadis
Site Global ID: T0600101486	Consultant Contact: Kathryn Smith
Site Address: 300 Harrison St Oakland CA	Consultant Phone No.: 510-596-9675
	Sampling Company: ~~TRC~~ Gettler-Ryan
Union Oil PM: TJ Bishop	Sampled By (PRINT): Alex Wong
Union Oil PM Phone No.: 925-790-1413	Sampler Signature: [signature]
Charge Code: NWRTB- 0 351146 -0- LAB	**BC Laboratories, Inc.** **Project Manager: Molly Meyers** 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

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

Special Instructions

SAMPLE ID / **ANALYSES REQUIRED**

Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [illegible] GC/MS (8015B)	BTEX/MTBE/[illegible] by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)	Dissolved Iron/Sulfate/Nitrate/Nitrite/Alkalinity	Methane	TOC			Notes / Comments
A-MW-5	W-S-A		140206	0735	11		X	X	X		X	X	X	X			
A-MW-6	W-S-A		↓	0825	11		X	X	X		X	X	X	X			
A-MW-7	W-S-A		↓	0920	11		X	X	X		X	X	X	X			
S-MW-1	W-S-A		↓	1026	11		X	X	X		X	X	X	X			
S-MW-2	W-S-A		↓	0935	11		X	X	X		X	X	X	X			
S-MW-3	W-S-A		↓	1105	11		X	X	X		X	X	X	X			
S-MW-4	W-S-A		↓	0940	11		X	X	X		X	X	X	X			
S-MW-5	W-S-A		↓	1015	11		X	X	X		X	X	X	X			
S-MW-6	W-S-A		↓	1216	11		X	X	X		X	X	X	X			
S-EW-1	W-S-A		↓	1128	11		X	X	X		X	X	X	X			
MPE-1	W-S-A		↓	0845	6		X	X			X						
MP-1	W-S-A		↓	0800	6		X	X			X						

Relinquished By	Company	Date / Time:	Relinquished By	Company	Date / Time :	Relinquished By	Company	Date / Time:
[signature]	G-R	2-6-14 (1330)	[signature]	GR	02-06-14 1500			

Received By	Company	Date / Time:	Received By	Company	Date / Time :	Received By	Company	Date / Time:
GETTLER-RYAN FRIDGE		2-6-14 1330	Mary Bryan	BC Lab	2-6-14	1500		

ARCADIS

Attachment B

Historical Groundwater Results from TRC

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
76 Station 0752

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														
6/5/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/30/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/30/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/2/1992	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/30/1992	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/15/1992	34.94	--	--	--	--	76	--	1.0	ND	ND	ND	--	--	
12/21/1992	34.94	21.17	0.00	13.77	--	95	--	0.69	ND	ND	1.0	--	--	
4/28/1993	34.94	--	--	--	--	920	--	3.1	2.3	1.2	9.7	--	--	
7/23/1993	34.94	20.13	0.00	14.81	--	ND	--	0.5	0.66	ND	ND	--	--	
10/5/1993	34.69	20.30	0.00	14.39	-0.42	92	--	1.5	ND	ND	0.72	--	--	
1/3/1994	34.69	20.52	0.00	14.17	-0.22	ND	--	ND	ND	ND	ND	--	--	
4/2/1994	34.69	20.16	0.00	14.53	0.36	ND	--	ND	ND	ND	ND	--	--	
7/5/1994	34.69	19.27	0.00	15.42	0.89	250	--	4.8	13	1.2	7.3	--	--	
10/6/1994	34.69	20.87	0.00	13.82	-1.60	540	--	1.4	ND	0.66	11	--	--	
1/2/1995	34.69	19.67	0.00	15.02	1.20	140	--	ND	ND	ND	ND	--	--	
4/3/1995	34.69	17.61	0.00	17.08	2.06	580	--	3.6	0.8	ND	4.0	--	--	
7/14/1995	34.69	18.58	0.00	16.11	-0.97	260	--	2.1	ND	ND	1.2	--	--	
10/10/1995	34.69	19.60	0.00	15.09	-1.02	220	--	2.0	ND	25	5.6	29	--	
1/3/1996	34.69	19.69	0.00	15.00	-0.09	190	--	2.4	ND	0.71	1.2	--	--	
4/10/1996	34.69	17.65	0.00	17.04	2.04	540	--	8.9	1.7	1.5	7.4	50	--	
7/9/1996	34.69	18.52	0.00	16.17	-0.87	490	--	3.0	1.4	1.3	2.5	150	--	
1/24/1997	34.69	17.72	0.00	16.97	0.80	760	--	27	0.89	5.2	10	510	--	
7/23/1997	34.69	19.42	0.00	15.27	-1.70	ND	--	ND	ND	ND	ND	550	--	
1/26/1998	34.69	17.46	0.00	17.23	1.96	1800	--	ND	ND	ND	ND	4800	--	
7/3/1998	34.69	18.61	0.00	16.08	-1.15	ND	--	ND	ND	ND	ND	1800	--	
1/14/1999	34.69	18.92	0.00	15.77	-0.31	83	--	ND	ND	ND	ND	230	--	
7/15/1999	34.69	17.84	0.00	16.85	1.08	110	--	ND	ND	ND	1.0	290	--	
1/7/2000	34.69	19.13	0.00	15.56	-1.29	ND	--	ND	ND	ND	ND	260	--	
7/19/2000	34.69	20.27	0.00	14.42	-1.14	ND	--	ND	ND	ND	ND	648	--	
1/2/2001	34.69	20.04	0.00	14.65	0.23	ND	--	ND	ND	ND	ND	119	--	
5/23/2001	34.69	18.27	0.00	16.42	1.77	84	--	ND	ND	ND	ND	760	--	
7/30/2001	34.69	18.56	0.00	16.13	-0.29	<50	--	<0.50	<0.50	<0.50	<0.50	350	--	
10/15/2001	34.69	18.72	0.00	15.97	-0.16	96	--	<0.50	<0.50	<0.50	<0.50	160	--	

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
76 Station 0752

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
1/14/2002	34.69	16.78	0.00	17.91	1.94	450	--	<2.5	<2.5	<2.5	3.3	4100	--	
4/15/2002	34.69	17.35	0.00	17.34	-0.57	<1000	--	<10	<10	<10	<10	10000	--	
7/15/2002	34.69	17.63	0.00	17.06	-0.28	2100	--	<10	<10	<10	<20	--	2100	
1/18/2003	34.69	17.04	0.00	17.65	0.59	<25000	--	<250	<250	<250	<500	--	29000	
7/11/2003	34.69	17.91	0.00	16.78	-0.87	4000	--	<25	<25	<25	<50	--	6300	
2/4/2004	34.69	17.98	0.00	16.71	-0.07	--	8000	<50	<50	<50	<100	--	8500	
8/11/2004	34.69	17.84	0.00	16.85	0.14	--	1100	<10	<10	<10	<20	--	1500	
3/31/2005	34.69	15.71	0.00	18.98	2.13	--	<2000	<0.50	<0.50	0.54	2.2	--	4900	
9/30/2005	34.69	17.65	0.00	17.04	-1.94	--	190	<0.50	<0.50	<0.50	<1.0	--	160	
3/27/2006	34.69	15.03	0.00	19.66	2.62	--	760	<0.50	<0.50	<0.50	<1.0	--	1000	
9/27/2006	34.69	18.45	0.00	16.24	-3.42	--	170	<0.50	<0.50	<0.50	0.61	--	73	
3/27/2007	34.69	18.84	0.00	15.85	-0.39	--	120	<0.50	<0.50	<0.50	<0.50	--	99	
9/28/2007	34.69	19.73	0.00	14.96	-0.89	--	68	<0.50	<0.50	<0.50	<0.50	--	15	
3/26/2008	34.69	19.32	0.00	15.37	0.41	--	200	<0.50	<0.50	<0.50	1.0	--	47	
7/28/2008	34.69	20.15	0.00	14.54	-0.83	--	<50	<0.50	<0.50	<0.50	<1.0	--	8.7	
1/26/2009	34.69	20.74	0.00	13.95	-0.59	--	<50	<0.50	<0.50	<0.50	<1.0	--	5.2	
8/3/2009	34.72	20.10	0.00	14.62	0.67	--	76	<0.50	<0.50	<0.50	<1.0	--	12	
1/25/2010	34.72	19.78	0.00	14.94	0.32	--	<50	<0.50	<0.50	<0.50	<1.0	--	14	
8/3/2010	34.72	19.47	0.00	15.25	0.31	--	210	<0.50	<0.50	<0.50	<1.0	--	37	
2/17/2011	34.72	19.50	0.00	15.22	-0.03	--	150	<0.50	<0.50	<0.50	<1.0	--	17	
8/3/2011	34.72	18.96	0.00	15.76	0.54	--	230	<0.50	<0.50	<0.50	<1.0	--	44	
MW-2														
6/5/1991	34.97	--	--	--	--	49	--	ND	ND	ND	ND	--	--	
9/30/1991	34.97	--	--	--	--	130	--	18	0.53	14	9.6	--	--	
12/30/1991	34.97	--	--	--	--	91	--	16	0.89	11	1.9	--	--	
4/2/1992	34.97	--	--	--	--	88	--	12	0.32	6.3	7.2	--	--	
6/30/1992	34.97	--	--	--	--	76	--	9.3	0.76	4.8	6.9	--	--	
9/15/1992	34.97	--	--	--	--	1300	--	91	5.7	80	110	--	--	
12/21/1992	34.97	20.85	0.00	14.12	--	960	--	97	3.2	74	96	--	--	
4/28/1993	34.97	--	--	--	--	1300	--	76	1.9	130	87	--	--	
7/23/1993	34.97	19.81	0.00	15.16	--	66	--	1.8	ND	2.5	2.0	--	--	
10/5/1993	34.72	19.95	0.00	14.77	-0.39	120	--	12	ND	2.1	12	--	--	
1/3/1994	34.72	20.21	0.00	14.51	-0.26	260	--	25	ND	5.5	26	--	--	
4/2/1994	34.72	19.88	0.00	14.84	0.33	ND	--	0.65	ND	ND	0.99	--	--	

Table 2
HISTORICAL GROUNDWATER 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
7/5/1994	34.72	19.07	0.00	15.65	0.81	160	--	16	ND	0.73	10	--	--	
10/6/1994	34.72	20.55	0.00	14.17	-1.48	170	--	15	ND	1.4	11	--	--	
1/2/1995	34.72	19.25	0.00	15.47	1.30	190	--	27	ND	0.95	11	--	--	
4/3/1995	34.72	17.49	0.00	17.23	1.76	2400	--	65	6.6	19	63	--	--	
7/14/1995	34.72	18.30	0.00	16.42	-0.81	750	--	270	ND	ND	13	--	--	
10/10/1995	34.72	19.25	0.00	15.47	-0.95	50	--	1.6	ND	ND	ND	200	--	
1/3/1996	34.72	19.40	0.00	15.32	-0.15	ND	--	ND	ND	ND	ND	--	--	
4/10/1996	34.72	17.35	0.00	17.37	2.05	300	--	42	ND	2.4	9	620	--	
7/9/1996	34.72	18.22	0.00	16.50	-0.87	760	--	230	ND	1.3	2.4	1500	--	
1/24/1997	34.72	17.59	0.00	17.13	0.63	2900	--	400	350	190	720	1300	--	
7/23/1997	34.72	19.13	0.00	15.59	-1.54	ND	--	ND	ND	ND	ND	65	--	
1/26/1998	34.72	17.12	0.00	17.60	2.01	ND	--	ND	ND	ND	0.58	13	--	
7/3/1998	34.72	18.20	0.00	16.52	-1.08	140	--	26	ND	0.95	5.0	330	--	
1/14/1999	34.72	18.56	0.00	16.16	-0.36	ND	--	0.54	ND	ND	ND	350	--	
7/15/1999	34.72	17.39	0.00	17.33	1.17	ND	--	0.88	ND	ND	ND	39	--	
1/7/2000	34.72	18.78	0.00	15.94	-1.39	ND	--	ND	ND	ND	ND	24	--	
7/19/2000	34.72	19.68	0.00	15.04	-0.90	ND	--	1.45	ND	ND	ND	117	--	
1/2/2001	34.72	19.73	0.00	14.99	-0.05	ND	--	ND	ND	ND	ND	11.4	--	
5/23/2001	34.72	18.16	0.00	16.56	1.57	ND	--	ND	ND	ND	ND	33	--	
7/30/2001	34.72	18.34	0.00	16.38	-0.18	<50	--	<0.50	<0.50	<0.50	<0.50	67	--	
10/15/2001	34.72	18.52	0.00	16.20	-0.18	<50	--	<0.50	<0.50	<0.50	<0.50	31	--	
1/14/2002	34.72	16.72	0.00	18.00	1.80	<50	--	<0.50	<0.50	<0.50	0.56	11	--	
4/15/2002	34.72	17.26	0.00	17.46	-0.54	<50	--	<0.50	<0.50	<0.50	<0.50	110	--	
7/15/2002	34.72	17.46	0.00	17.26	-0.20	270	--	21	<0.50	3.8	4.0	--	73	
1/18/2003	34.72	16.93	0.00	17.79	0.53	<50	--	<0.50	<0.50	<0.50	<1.0	--	22	
7/11/2003	34.72	17.68	0.00	17.04	-0.75	130	--	3.0	<0.50	<0.50	<1.0	--	89	
2/4/2004	34.72	17.36	0.00	17.36	0.32	--	61	2.9	<0.50	<0.50	<1.0	--	22	
8/11/2004	34.72	17.61	0.00	17.11	-0.25	--	140	<0.50	0.60	<0.50	<1.0	--	94	
3/31/2005	34.72	15.56	0.00	19.16	2.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	14	
9/30/2005	34.72	17.31	0.00	17.41	-1.75	--	<50	<0.50	<0.50	<0.50	<1.0	--	9.1	
3/27/2006	34.72	14.91	0.00	19.81	2.40	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	
9/27/2006	34.72	18.15	0.00	16.57	-3.24	--	<50	<0.50	<0.50	<0.50	<0.50	--	7.7	
3/27/2007	34.72	18.57	0.00	16.15	-0.42	--	<50	<0.50	<0.50	<0.50	<0.50	--	1.4	
9/28/2007	34.72	18.38	0.00	16.34	0.19	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
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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
3/26/2008	34.72	19.06	0.00	15.66	-0.68	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
7/28/2008	34.72	19.90	0.00	14.82	-0.84	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
1/26/2009	34.72	20.50	0.00	14.22	-0.60	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
8/3/2009	34.74	19.92	0.00	14.82	0.60	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
1/25/2010	34.74	19.70	0.00	15.04	0.22	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
8/3/2010	34.74	19.26	0.00	15.48	0.44	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
2/17/2011	34.74	19.32	0.00	15.42	-0.06	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
8/3/2011	34.74	18.74	0.00	16.00	0.58	--	77	6.7	<0.50	<0.50	<1.0	--	14	
MW-3														
6/5/1991	33.39	--	--	--	--	5800	--	1200	40	140	97	--	--	
9/30/1991	33.39	--	--	--	--	6800	--	1400	130	290	240	--	--	
12/30/1991	33.39	--	--	--	--	7200	--	2100	690	410	550	--	--	
4/2/1992	33.39	--	--	--	--	8000	--	1400	200	300	310	--	--	
6/30/1992	33.39	--	--	--	--	8900	--	1900	210	430	550	--	--	
9/15/1992	33.39	--	--	--	--	10000	--	1900	330	400	580	--	--	
12/21/1992	33.39	20.02	0.00	13.37	--	8500	--	1500	150	310	330	--	--	
4/28/1993	33.39	--	--	--	--	2600	--	220	7.6	41	27	--	--	
7/23/1993	33.39	19.00	0.00	14.39	--	4400	--	660	26	160	82	--	--	
10/5/1993	33.14	19.20	0.00	13.94	-0.45	9200	--	720	88	140	140	--	--	
1/3/1994	33.14	19.40	0.00	13.74	-0.20	4900	--	830	100	170	150	--	--	
4/2/1994	33.14	19.01	0.00	14.13	0.39	6000	--	800	30	140	110	--	--	
7/5/1994	33.14	18.14	0.00	15.00	0.87	25000	--	ND	ND	ND	ND	--	--	
10/6/1994	33.14	19.73	0.00	13.41	-1.59	49000	--	1300	200	280	300	--	--	
1/2/1995	33.14	18.36	0.00	14.78	1.37	480	--	1.6	ND	1.4	ND	--	--	
4/3/1995	33.14	16.38	0.00	16.76	1.98	8100	--	65	ND	ND	ND	--	--	
7/14/1995	33.14	17.49	0.00	15.65	-1.11	ND	--	1300	ND	ND	ND	--	--	
10/10/1995	33.14	18.50	0.00	14.64	-1.01	3100	--	1400	36	50	53	190000	--	
1/3/1996	33.14	18.54	0.00	14.60	-0.04	ND	--	2300	110	150	140	--	--	
7/9/1996	33.14	17.43	0.00	15.71	1.11	ND	--	2000	ND	150	160	140000	--	
1/24/1997	33.14	16.57	0.00	16.57	0.86	540	--	8.0	ND	11	9.9	45	--	
7/23/1997	33.14	18.38	0.00	14.76	-1.81	7400	--	1900	180	140	340	45000	--	
1/26/1998	33.14	16.22	0.00	16.92	2.16	250	--	2.2	1.9	0.87	1.9	4.0	--	
7/3/1998	33.14	17.46	--	15.68	-1.24	230	--	1.8	2.5	1.5	3.4	6.3	--	
1/14/1999	33.14	17.73	--	15.41	-0.27	400	--	8.2	2.7	0.90	5.9	140	--	

Table 2
HISTORICAL GROUNDWATER 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
7/15/1999	33.14	16.58	--	16.56	1.15	290	--	3.3	3.6	1.7	2.5	13	--	
1/7/2000	33.14	17.84	--	15.30	-1.26	ND	--	890	91	100	480	20000	--	
7/19/2000	33.14	18.92	--	14.22	-1.08	354	--	3.87	2.61	0.646	ND	13.7	--	
1/2/2001	33.14	19.07	--	14.07	-0.15	464	--	ND	3.69	3.91	ND	21.1	--	
5/23/2001	33.14	17.12	--	16.02	1.95	420	--	7.6	3.1	3.0	5.1	1900	--	
7/30/2001	33.14	17.38	--	15.76	-0.26	290	--	4.6	4.1	<0.50	3.4	23	--	
10/15/2001	33.14	17.61	--	15.53	-0.23	400	--	<0.50	<0.50	<0.50	<0.50	13	--	
1/14/2002	33.14	15.53	--	17.61	2.08	130	--	0.50	0.61	1.1	<0.50	9.9	--	
4/15/2002	33.14	16.12	--	17.02	-0.59	280	--	9.9	1.6	3.3	6.8	1400	--	
7/15/2002	33.14	16.48	--	16.66	-0.36	64	--	<0.50	<0.50	<0.50	<1.0	33	--	
1/18/2003	33.14	15.81	--	17.33	0.67	420	--	0.54	<0.50	<0.50	<1.0	130	--	
7/11/2003	33.14	16.74	--	16.40	-0.93	--	300	2.3	<0.50	<0.50	<1.0	--	31	
2/4/2004	33.14	16.15	0.00	16.99	0.59	--	130	7.9	<0.50	<0.50	<1.0	--	63	
8/11/2004	33.14	16.64	0.00	16.50	-0.49	--	<20000	<200	<200	<200	<400	--	20000	
3/31/2005	33.14	14.53	0.00	18.61	2.11	--	<20000	330	<200	<200	<400	--	78000	
9/30/2005	33.14	16.55	0.00	16.59	-2.02	--	12000	360	40	<25	50	--	20000	
3/27/2006	33.14	13.66	0.00	19.48	2.89	--	10000	150	<25	53	99	--	15000	
9/27/2006	33.14	17.40	0.00	15.74	-3.74	--	<12000	<120	<120	<120	<120	--	12000	
3/27/2007	33.14	17.55	0.00	15.59	-0.15	--	8700	180	<12	60	57	--	8900	
9/28/2007	33.14	18.59	0.00	14.55	-1.04	--	9000	55	<50	<50	<50	--	11000	
3/26/2008	33.14	18.19	0.00	14.95	0.40	--	450	13	1.3	0.84	1.4	--	7200	
7/28/2008	33.14	19.00	0.00	14.14	-0.81	--	8300	<50	<50	<50	<100	--	13000	
1/26/2009	33.14	19.54	0.00	13.60	-0.54	--	8800	27	<12	<12	<25	--	13000	
8/3/2009	33.18	18.90	0.00	14.28	0.68	--	9300	56	<50	<50	<100	--	8000	
1/25/2010	33.18	18.54	0.00	14.64	0.36	--	4900	79	7.3	5.4	13	--	8100	
8/3/2010	33.18	18.35	0.00	14.83	0.19	--	2500	30	<12	<12	<25	--	4600	
2/17/2011	33.18	18.30	0.00	14.88	0.05	--	3800	11	<5.0	<5.0	<10	--	4700	
8/3/2011	33.18	17.87	0.00	15.31	0.43	--	2,600	9.7	0.8	3.1	1.4	--	2,000	
MW-4														
10/19/1992	--	--	--	--	--	480	--	0.51	2.1	2.8	6.8	--	--	
12/21/1992	33.12	19.73	--	13.39	--	220	--	ND	ND	0.97	0.74	--	--	
4/28/1993	33.12	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/23/1993	33.12	18.72	--	14.40	--	85	--	ND	ND	ND	ND	--	--	
10/5/1993	32.71	18.74	--	13.97	-0.43	130	--	ND	ND	ND	ND	--	--	

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HISTORICAL GROUNDWATER 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
1/3/1994	32.71	18.93	--	13.78	-0.19	210	--	ND	ND	0.76	1.6	--	--	
4/2/1994	32.71	18.53	--	14.18	0.40	89	--	ND	ND	ND	ND	--	--	
7/5/1994	32.71	17.67	--	15.04	0.86	190	--	ND	ND	ND	ND	--	--	
10/6/1994	32.71	19.25	--	13.46	-1.58	170	--	0.85	ND	ND	0.74	--	--	
1/2/1995	32.71	17.75	--	14.96	1.50	ND	--	ND	ND	ND	ND	--	--	
4/3/1995	32.71	15.87	--	16.84	1.88	98	--	ND	ND	ND	ND	--	--	
7/14/1995	32.71	17.01	--	15.70	-1.14	ND	--	ND	ND	ND	ND	--	--	
10/10/1995	32.71	18.03	--	14.68	-1.02	ND	--	ND	ND	ND	ND	120	--	
1/3/1996	32.71	18.05	--	14.66	-0.02	ND	--	ND	ND	ND	ND	--	--	
4/10/1996	32.71	16.00	--	16.71	2.05	ND	--	ND	ND	ND	ND	240	--	
7/9/1996	32.71	16.96	--	15.75	-0.96	ND	--	ND	ND	ND	ND	480	--	
1/24/1997	32.71	16.04	0.00	16.67	0.92	ND	--	ND	ND	ND	ND	270	--	
7/23/1997	32.71	17.87	0.00	14.84	-1.83	ND	--	ND	ND	ND	ND	460	--	
1/26/1998	32.71	16.05	--	16.66	1.82	ND	--	ND	ND	ND	ND	17	--	
7/3/1998	32.71	16.95	--	15.76	-0.90	ND	--	ND	ND	ND	ND	3.8	--	
1/14/1999	32.71	17.34	--	15.37	-0.39	ND	--	ND	ND	ND	ND	4600	--	
7/15/1999	32.71	16.36	--	16.35	0.98	ND	--	ND	ND	ND	ND	ND	--	
1/7/2000	32.71	17.81	--	14.90	-1.45	ND	--	ND	ND	ND	ND	450	--	
7/19/2000	32.71	18.94	--	13.77	-1.13	ND	--	ND	ND	ND	ND	ND	--	
1/2/2001	32.71	18.85	--	13.86	0.09	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.71	16.82	--	15.89	2.03	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.71	16.88	--	15.83	-0.06	<50	--	<0.50	<0.50	<0.50	<0.50	4.9	--	
10/15/2001	32.71	17.08	--	15.63	-0.20	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	
1/14/2002	32.71	14.97	--	17.74	2.11	<50	--	<0.50	<0.50	<0.50	<0.50	30	--	
4/15/2002	32.71	15.48	--	17.23	-0.51	<50	--	<0.50	<0.50	<0.50	<0.50	180	--	
7/15/2002	32.71	15.90	--	16.81	-0.42	<50	--	<0.50	<0.50	<0.50	<1.0	50	--	
1/18/2003	32.71	15.39	--	17.32	0.51	<50	--	<0.50	<0.50	<0.50	<1.0	<2.0	--	
7/11/2003	32.71	16.17	--	16.54	-0.78	--	200	<0.50	<0.50	<0.50	<1.0	--	52	
2/4/2004	32.71	16.12	0.00	16.59	0.05	--	1300	<10	<10	<10	<20	--	1700	
8/11/2004	32.71	16.16	0.00	16.55	-0.04	--	<5000	<50	<50	<50	<100	--	6400	
3/31/2005	32.71	14.15	0.00	18.56	2.01	--	<1300	<0.50	<0.50	<0.50	<1.0	--	1600	
9/30/2005	32.71	16.91	0.00	15.80	-2.76	--	900	<0.50	<0.50	<0.50	<1.0	--	3800	
3/27/2006	32.71	13.94	0.00	18.77	2.97	--	870	<0.50	<0.50	<0.50	<1.0	--	2000	
9/27/2006	32.71	16.91	0.00	15.80	-2.97	--	<1000	<10	<10	<10	<10	--	1600	

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
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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
3/27/2007	32.71	17.15	0.00	15.56	-0.24	--	1500	<2.5	<2.5	<2.5	<2.5	--	1700	
9/28/2007	32.71	18.13	0.00	14.58	-0.98	--	590	<5.0	<5.0	<5.0	<5.0	--	1400	
3/26/2008	32.71	17.66	0.00	15.05	0.47	--	390	<0.50	<0.50	<0.50	<1.0	--	1400	
7/28/2008	32.71	18.34	0.00	14.37	-0.68	--	480	<1.0	<1.0	<1.0	<2.0	--	950	
1/26/2009	32.71	18.80	0.00	13.91	-0.46	--	500	<0.50	<0.50	<0.50	<1.0	--	830	
8/3/2009	32.72	18.43	0.00	14.29	0.38	--	640	<5.0	6.6	<5.0	<10	--	570	
1/25/2010	32.72	18.02	0.00	14.70	0.41	--	190	<0.50	<0.50	<0.50	<1.0	--	400	
8/3/2010	32.72	17.83	0.00	14.89	0.19	--	58	<0.50	<0.50	<0.50	<1.0	--	110	
2/17/2011	32.72	17.85	0.00	14.87	-0.02	--	<50	<0.50	<0.50	<0.50	<1.0	--	12	
8/3/2011	32.72	17.36	0.00	15.36	0.49	--	<50	<0.50	<0.50	<0.50	<1.0	--	12	
MW-5														
10/19/1992	--	--	--	--	--	2700	--	61	5.0	100	61	--	--	
12/21/1992	33.25	19.75	--	13.50	--	1700	--	51	4.7	83	34	--	--	
4/28/1993	33.25	--	--	--	--	6700	--	200	190	250	430	--	--	
7/23/1993	33.25	18.74	--	14.51	--	2000	--	122	8.0	68	47	--	--	
10/5/1993	32.95	18.83	--	14.12	-0.39	1700	--	70	6.2	54	40	--	--	
1/3/1994	32.95	19.05	--	13.90	-0.22	1500	--	44	ND	42	46	--	--	
4/2/1994	32.95	18.68	--	14.27	0.37	1800	--	46	5.1	38	35	--	--	
7/5/1994	32.95	17.90	--	15.05	0.78	2200	--	97	8.4	37	36	--	--	
10/6/1994	32.95	19.37	--	13.58	-1.47	1600	--	79	5.7	28	22	--	--	
1/2/1995	32.95	17.92	--	15.03	1.45	1700	--	50	8.6	30	28	--	--	
4/3/1995	32.95	16.15	--	16.80	1.77	5400	--	190	240	170	420	--	--	
7/14/1995	32.95	17.18	--	15.77	-1.03	3800	--	210	100	130	190	--	--	
10/10/1995	32.95	18.15	--	14.80	-0.97	1300	--	92	14	15	39	1100	--	
1/3/1996	32.95	18.20	--	14.75	-0.05	630	--	53	4.4	8.3	13	--	--	
4/10/1996	32.95	16.05	--	16.90	2.15	500	--	25	18	7.0	20	640	--	
7/9/1996	32.95	17.11	--	15.84	-1.06	1000	--	44	20	10	34	150	--	
1/24/1997	32.95	16.36	0.00	16.59	0.75	4000	--	190	400	160	430	600	--	
7/23/1997	32.95	18.08	0.00	14.87	-1.72	1700	--	200	23	18	45	2500	--	
1/26/1998	32.95	16.27	--	16.68	1.81	ND	--	ND	ND	ND	ND	ND	--	
7/3/1998	32.95	17.27	--	15.68	-1.00	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.95	17.55	--	15.40	-0.28	330	--	61	4.1	2.2	2.9	560	--	
7/15/1999	32.95	16.41	--	16.54	1.14	1100	--	170	ND	ND	27	660	--	
1/7/2000	32.95	17.85	--	15.10	-1.44	1000	--	180	6.3	ND	14	430	--	

Table 2
HISTORICAL GROUNDWATER 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
7/19/2000	32.95	18.87	--	14.08	-1.02	2980	--	289	57.3	65.3	43.4	976	--	
1/2/2001	32.95	18.47	--	14.48	0.40	1150	--	87.2	17.8	7.97	9.32	368	--	
5/23/2001	32.95	17.38	--	15.57	1.09	840	--	42	10	13	7.1	130	--	
7/30/2001	32.95	17.12	--	15.83	0.26	1900	--	82	24	6.9	13	370	--	
10/15/2001	32.95	17.33	--	15.62	-0.21	26000	--	390	230	58	1300	<500	--	
1/14/2002	32.95	15.33	--	17.62	2.00	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/15/2002	32.95	15.89	--	17.06	-0.56	310	--	20	6.7	11	7.7	77	--	
7/15/2002	32.95	16.21	--	16.74	-0.32	1500	--	40	22	60	28	170	--	
1/18/2003	32.95	15.68	--	17.27	0.53	<50	--	0.75	<0.50	<0.50	<1.0	81	--	
7/11/2003	32.95	16.29	--	16.66	-0.61	--	<50	<0.50	<0.50	<0.50	<1.0	--	3.6	
2/4/2004	32.95	16.08	0.00	16.87	0.21	--	82	16	1.6	0.65	<1.0	--	16	
8/11/2004	32.95	16.38	0.00	16.57	-0.30	--	900	81	14	2.8	11	--	120	
3/31/2005	32.95	14.30	0.00	18.65	2.08	--	5000	160	84	65	72	--	140	
9/30/2005	32.95	16.19	0.00	16.76	-1.89	--	1200	26	5.8	2.4	9.2	--	38	
3/27/2006	32.95	13.90	0.00	19.05	2.29	--	1100	13	12	4.7	16	--	8.8	
9/27/2006	32.95	17.06	0.00	15.89	-3.16	--	1300	20	11	2.3	15	--	21	
3/27/2007	32.95	17.43	0.00	15.52	-0.37	--	960	15	7.8	2.2	11	--	14	
9/28/2007	32.95	18.25	0.00	14.70	-0.82	--	1300	13	6.0	2.3	15	--	8.4	
3/26/2008	32.95	17.82	0.00	15.13	0.43	--	1200	7.6	3.3	1.8	11	--	2.7	
7/28/2008	32.95	18.70	0.00	14.25	-0.88	--	2000	12	4.9	3.2	17	--	<0.50	
1/26/2009	32.95	19.25	0.00	13.70	-0.55	--	1400	7.4	3.3	2.5	11	--	3.3	
8/3/2009	32.98	18.62	0.00	14.36	0.66	--	1500	17	9.0	3.5	22	--	7.3	
1/25/2010	32.98	18.34	0.00	14.64	0.28	--	1600	7.6	3.6	2.4	15	--	1.7	
8/3/2010	32.98	18.07	0.00	14.91	0.27	--	2200	32	32	10	48	--	10	
2/17/2011	32.98	18.05	0.00	14.93	0.02	--	1800	33	7.4	<0.50	11	--	15	
8/3/2011	32.98	17.57	0.00	15.41	0.48	--	2,500	58	23	12	34	--	40	
MW-6														
10/19/1992	--	--	--	--	--	3900	--	420	12	60	28	--	--	
12/21/1992	32.42	19.17	--	13.25	--	2300	--	370	11	39	15	--	--	
4/28/1993	32.42	--	--	--	--	1200	--	54	1.5	11	5.3	--	--	
7/23/1993	32.42	18.17	--	14.25	--	580	--	19	0.99	3.4	2.7	--	--	
10/5/1993	32.16	18.35	--	13.81	-0.44	1400	--	34	ND	5.3	7.3	--	--	
1/3/1994	32.16	18.54	--	13.62	-0.19	1400	--	57	ND	8.5	11	--	--	
4/2/1994	32.16	18.15	--	14.01	0.39	5300	--	ND	ND	ND	ND	--	--	

Table 2
HISTORICAL GROUNDWATER 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
7/5/1994	32.16	17.25	--	14.91	0.90	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	32.16	18.85	--	13.31	-1.60	11000	--	ND	ND	ND	ND	--	--	
1/2/1995	32.16	17.51	--	14.65	1.34	550	--	18	0.92	2.0	1.8	--	--	
4/3/1995	32.16	15.48	--	16.68	2.03	6600	--	ND	ND	ND	ND	--	--	
7/14/1995	32.16	16.63	--	15.53	-1.15	ND	--	ND	ND	ND	ND	--	--	
10/10/1995	32.16	17.68	--	14.48	-1.05	ND	--	81	ND	ND	ND	75000	--	
1/3/1996	32.16	17.66	--	14.50	0.02	70	--	9.9	0.58	ND	0.81	--	--	
4/10/1996	32.16	15.56	--	16.60	2.10	300	--	258	4.7	0.94	2.7	53000	--	
7/9/1996	32.16	16.59	--	15.57	-1.03	1800	--	410	ND	12	ND	76000	--	
1/24/1997	32.16	15.69	0.00	16.47	0.90	ND	--	0.80	ND	ND	ND	390	--	
7/23/1997	32.16	17.53	0.00	14.63	-1.84	5700	--	1100	240	240	700	16000	--	
1/26/1998	32.16	15.44	--	16.72	2.09	ND	--	ND	ND	ND	ND	ND	--	
7/3/1998	32.16	16.58	--	15.58	-1.14	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.16	17.02	--	15.14	-0.44	ND	--	ND	ND	ND	ND	14	--	
7/15/1999	32.16	15.95	--	16.21	1.07	ND	--	ND	ND	ND	ND	2.8	--	
1/7/2000	32.16	16.96	--	15.20	-1.01	78	--	24	ND	0.66	17	280	--	
7/19/2000	32.16	18.04	--	14.12	-1.08	ND	--	ND	1.32	ND	0.974	ND	--	
1/2/2001	32.16	18.10	--	14.06	-0.06	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.16	16.42	--	15.74	1.68	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.16	16.49	--	15.67	-0.07	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/15/2001	32.16	16.67	--	15.49	-0.18	<50	--	<0.50	0.62	<0.50	<0.50	<5.0	--	
1/14/2002	32.16	14.60	--	17.56	2.07	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/15/2002	32.16	15.07	--	17.09	-0.47	<50	--	<0.50	<0.50	<0.50	0.73	<5.0	--	
7/15/2002	32.16	15.56	--	16.60	-0.49	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	
1/18/2003	32.16	15.80	--	16.36	-0.24	<50	--	<0.50	<0.50	<0.50	<1.0	<2.0	--	
7/11/2003	32.16	15.74	--	16.42	0.06	--	<50	<0.50	<0.50	<0.50	<1.0	--	<2.0	
2/4/2004	32.16	15.49	0.00	16.67	0.25	--	<50	2.6	<0.50	<0.50	<1.0	--	2.4	
8/11/2004	32.16	15.81	0.00	16.35	-0.32	--	7900	95	<50	<50	<100	--	9100	
3/31/2005	32.16	13.70	0.00	18.46	2.11	--	<5000	2.5	<0.50	<0.50	<1.0	--	7600	
9/30/2005	32.16	15.48	0.00	16.68	-1.78	--	4300	140	37	28	41	--	5800	
3/27/2006	32.16	13.02	0.00	19.14	2.46	--	7200	34	0.66	0.96	18	--	9900	
9/27/2006	32.16	16.56	0.00	15.60	-3.54	--	1800	<12	<12	<12	<12	--	3300	
3/27/2007	32.16	16.73	0.00	15.43	-0.17	--	1600	2.8	<2.5	<2.5	<2.5	--	1800	
9/28/2007	32.16	17.75	0.00	14.41	-1.02	--	830	<5.0	<5.0	<5.0	<5.0	--	1600	

Table 2
HISTORICAL GROUNDWATER 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
3/26/2008	32.16	17.31	0.00	14.85	0.44	--	940	45	5.9	2.0	5.3	--	1300	
7/28/2008	32.16	18.50	0.00	13.66	-1.19	--	500	<1.0	<1.0	<1.0	<2.0	--	750	
1/26/2009	32.16	18.46	0.00	13.70	0.04	--	570	<0.50	<0.50	<0.50	<1.0	--	500	
8/3/2009	32.19	18.01	0.00	14.18	0.48	--	800	<5.0	<5.0	<5.0	<10	--	690	
1/25/2010	32.19	17.64	0.00	14.55	0.37	--	410	4.8	0.63	<0.50	1.4	--	390	
8/3/2010	32.19	17.48	0.00	14.71	0.16	--	480	2.0	<0.50	<0.50	<1.0	--	520	
2/17/2011	32.19	17.48	0.00	14.71	0.00	--	290	<0.50	<0.50	<0.50	<1.0	--	130	
8/3/2011	32.19	17.02	0.00	15.17	0.46	--	330	<0.50	<0.50	<0.50	<1.0	--	89	
MW-7														
10/19/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
4/28/1993	32.49	--	--	--	--	110	--	2.8	1.3	1.4	1.7	--	--	
7/23/1993	32.49	18.60	--	13.89	--	790	--	23	3.3	28	5.4	--	--	
10/5/1993	32.20	18.76	--	13.44	-0.45	360	--	10	1.2	0.91	0.99	--	--	
1/3/1994	32.20	18.91	--	13.29	-0.15	ND	--	0.93	ND	0.75	1.9	--	--	
4/2/1994	32.20	18.50	--	13.70	0.41	360	--	2.0	ND	ND	0.8	--	--	
7/5/1994	32.20	17.52	--	14.68	0.98	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	32.20	19.25	--	12.95	-1.73	340	--	5.6	0.85	ND	1.2	--	--	
1/2/1995	32.20	17.67	--	14.53	1.58	ND	--	ND	ND	ND	ND	--	--	
4/3/1995	32.20	15.81	--	16.39	1.86	570	--	24	ND	3.4	5.8	--	--	
7/14/1995	32.20	17.05	--	15.15	-1.24	ND	--	14	ND	ND	ND	--	--	
10/10/1995	32.20	18.08	--	14.12	-1.03	740	--	170	ND	ND	ND	13000	--	
1/3/1996	32.20	18.02	--	14.18	0.06	360	--	16	1.3	2.7	1.4	--	--	
4/10/1996	32.20	15.81	--	16.39	2.21	120	--	4.1	1.5	ND	0.88	3200	--	
7/9/1996	32.20	16.99	--	15.21	-1.18	ND	--	ND	ND	ND	ND	3400	--	
1/24/1997	32.20	16.08	0.00	16.12	0.91	ND	--	16	ND	ND	ND	6600	--	
7/23/1997	32.20	17.99	0.00	14.21	-1.91	ND	--	16	ND	ND	0.62	10000	--	
1/26/1998	32.20	15.56	--	16.64	2.43	ND	--	ND	ND	ND	0.56	ND	--	
7/3/1998	32.20	17.04	--	15.16	-1.48	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.20	--	--	--	--	--	--	--	--	--	--	--	--	essible-parke
7/15/1999	32.20	15.72	--	16.48	--	ND	--	ND	ND	ND	ND	290	--	
1/7/2000	32.20	16.80	--	15.40	-1.08	ND	--	7.7	ND	ND	4.4	98	--	
7/19/2000	32.20	17.88	--	14.32	-1.08	ND	--	ND	1.27	ND	0.979	ND	--	
1/2/2001	32.20	17.97	--	14.23	-0.09	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.20	16.81	--	15.39	1.16	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORICAL GROUNDWATER 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
7/30/2001	32.20	16.79	--	15.41	0.02	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
10/15/2001	32.20	16.98	--	15.22	-0.19	<50	--	<0.50	0.58	<0.50	<0.50	<5.0	--	
1/14/2002	32.20	14.85	--	17.35	2.13	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/15/2002	32.20	15.29	--	16.91	-0.44	<50	--	<0.50	<0.50	<0.50	0.70	<5.0	--	
7/15/2002	32.20	15.92	--	16.28	-0.63	<50	--	<0.50	<0.50	<0.50	<1.0	<0.50	--	
1/18/2003	32.20	15.11	--	17.09	0.81	<50	--	<0.50	<0.50	<0.50	<1.0	<2.0	--	
7/11/2003	32.20	15.89	--	16.31	-0.78	--	<50	<0.50	<0.50	<0.50	<1.0	--	19	
2/4/2004	32.20	15.90	0.00	16.30	-0.01	--	<50	3.6	<0.50	<0.50	<1.0	--	3.2	
8/11/2004	32.20	16.12	0.00	16.08	-0.22	--	<5000	120	<50	<50	<100	--	5100	
3/31/2005	32.20	13.99	0.00	18.21	2.13	--	<5000	190	<50	<50	<100	--	8400	
9/30/2005	32.20	15.93	0.00	16.27	-1.94	--	<50	<0.50	<0.50	<0.50	<1.0	--	<0.50	
3/27/2006	32.20	13.40	0.00	18.80	2.53	--	2500	160	10	11	26	--	5600	
9/27/2006	32.20	16.96	0.00	15.24	-3.56	--	2800	180	<12	15	44	--	4200	
3/27/2007	32.20	17.30	0.00	14.90	-0.34	--	920	66	2.9	3.4	4.5	--	970	
9/28/2007	32.20	18.10	0.00	14.10	-0.80	--	4000	440	15	17	59	--	3300	
3/26/2008	32.20	17.64	0.00	14.56	0.46	--	390	39	3.3	0.85	7.5	--	96	
7/28/2008	32.20	18.50	0.00	13.70	-0.86	--	64	3.3	<0.50	<0.50	<1.0	--	8.7	
1/26/2009	32.20	18.90	0.00	13.30	-0.40	--	80	7.9	0.58	<0.50	<1.0	--	10	
8/3/2009	32.22	18.29	0.00	13.93	0.63	--	2100	220	14	10	31	--	750	
1/25/2010	32.22	17.49	0.00	14.73	0.80	--	490	25	3.5	0.54	6.9	--	16	
8/3/2010	32.22	17.84	0.00	14.38	-0.35	--	240	45	1.8	1.2	1.7	--	290	
2/17/2011	32.22	17.83	0.00	14.39	0.01	--	370	53	2.0	<0.50	2.1	--	12	
8/3/2011	32.22	17.42	0.00	14.80	0.41	--	390	20	1.8	<0.50	1.6	--	27	
MW-8														
4/28/1993	32.33	--	--	--	--	450	--	18	1.8	1.8	1.4	--	--	
7/23/1993	32.33	18.45	--	13.88	--	260	--	5.1	ND	0.6	ND	--	--	
10/5/1993	32.00	18.57	--	13.43	-0.45	120	--	1.7	ND	ND	ND	--	--	
1/3/1994	32.00	18.73	--	13.27	-0.16	ND	--	ND	ND	ND	ND	51	--	
4/2/1994	32.00	18.30	--	13.70	0.43	150	--	1.2	ND	ND	ND	--	--	
7/5/1994	32.00	17.41	--	14.59	0.89	730	--	17	ND	1.6	ND	--	--	
10/6/1994	32.00	18.98	--	13.02	-1.57	140	--	ND	ND	ND	ND	--	--	
1/2/1995	32.00	17.58	--	14.42	1.40	440	--	18	0.72	2.0	1.8	--	--	
4/3/1995	32.00	15.54	--	16.46	2.04	960	--	11	ND	ND	ND	--	--	
7/14/1995	32.00	16.81	--	15.19	-1.27	280	--	4.2	2.6	1.1	3.3	--	--	

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
76 Station 0752

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
10/10/1995	32.00	17.85	--	14.15	-1.04	110	--	1.3	0.62	0.67	ND	170	--	
1/3/1996	32.00	17.82	--	14.18	0.03	63	--	ND	0.51	ND	1.8	--	--	
4/10/1996	32.00	15.70	--	16.30	2.12	ND	--	1.1	0.61	ND	ND	60	--	
7/9/1996	32.00	16.78	--	15.22	-1.08	72	--	1.0	ND	ND	ND	140	--	
1/24/1997	32.00	15.79	0.00	16.21	0.99	ND	--	ND	ND	ND	ND	76	--	
7/23/1997	32.00	17.69	0.00	14.31	-1.90	ND	--	ND	ND	ND	ND	270	--	
1/26/1998	32.00	15.50	--	16.50	2.19	ND	--	ND	ND	ND	0.76	2.9	--	
7/3/1998	32.00	16.80	--	15.20	-1.30	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.00	17.13	--	14.87	-0.33	ND	--	ND	ND	ND	ND	11	--	
7/15/1999	32.00	15.85	--	16.15	1.28	ND	--	ND	ND	ND	ND	ND	--	
1/7/2000	32.00	16.94	--	15.06	-1.09	ND	--	ND	ND	ND	ND	11	--	
7/19/2000	32.00	18.06	--	13.94	-1.12	ND	--	ND	2.99	0.521	ND	ND	--	
1/2/2001	32.00	18.12	--	13.88	-0.06	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.00	16.96	--	15.04	1.16	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.00	16.52	--	15.48	0.44	<50	--	<0.50	<0.50	<0.50	<0.50	2.7	--	
10/15/2001	32.00	16.72	--	15.28	-0.20	<50	--	<0.50	0.65	<0.50	<0.50	<5.0	--	
1/14/2002	32.00	14.53	--	17.47	2.19	<50	--	<0.50	<0.50	<0.50	<0.50	<2.5	--	
4/15/2002	32.00	14.96	--	17.04	-0.43	<50	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	
7/15/2002	32.00	15.60	--	16.40	-0.64	<50	--	<0.50	<0.50	<0.50	<1.0	11	--	
1/18/2003	32.00	14.78	--	17.22	0.82	<50	--	<0.50	<0.50	<0.50	<1.0	<2.0	--	
2/4/2004	32.00	15.65	0.00	16.35	-0.87	--	52	2.3	<0.50	<0.50	<1.0	--	2.4	
8/11/2004	32.00	15.86	0.00	16.14	-0.21	--	350	<2.5	<2.5	<2.5	<5.0	--	310	
3/31/2005	32.00	13.73	0.00	18.27	2.13	--	<2000	<0.50	<0.50	<0.50	<1.0	--	2100	
9/30/2005	32.00	15.94	0.00	16.06	-2.21	--	1200	<0.50	0.50	<0.50	<1.0	--	6900	
3/27/2006	32.00	13.13	0.00	18.87	2.81	--	460	<0.50	<0.50	<0.50	<1.0	--	820	
9/27/2006	32.00	16.75	0.00	15.25	-3.62	--	520	<5.0	<5.0	<5.0	8.2	--	870	
3/27/2007	32.00	16.87	0.00	15.13	-0.12	--	1400	<0.50	<0.50	<0.50	<0.50	--	3600	
9/28/2007	32.00	17.91	0.00	14.09	-1.04	--	280	<2.5	<2.5	<2.5	<2.5	--	670	
3/26/2008	32.00	17.45	0.00	14.55	0.46	--	110	<0.50	<0.50	<0.50	<1.0	--	210	
7/28/2008	32.00	18.50	0.00	13.50	-1.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	11	
1/26/2009	32.00	18.65	0.00	13.35	-0.15	--	<50	<0.50	<0.50	<0.50	<1.0	--	22	
8/3/2009	32.03	18.11	0.00	13.92	0.57	--	67	<0.50	<0.50	<0.50	<1.0	--	64	
1/25/2010	32.03	17.67	0.00	14.36	0.44	--	<50	<0.50	<0.50	<0.50	<1.0	--	10	
8/3/2010	32.03	17.58	0.00	14.45	0.09	--	<50	<0.50	<0.50	<0.50	<1.0	--	10	

Table 2
HISTORICAL GROUNDWATER RESULTS

August 3, 2011
76 Station 0752

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
2/17/2011	32.03	17.53	0.00	14.50	0.05	--	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	
8/3/2011	32.03	17.18	0.00	14.85	0.35	--	<50	<0.50	<0.50	<0.50	<1.0	--	1.6	

ARCADIS

Attachment C

Laboratory Reports and Chain-of-Custody Documentation

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 02/24/2014

Kathy Brandt

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Client Project:	351646
BCL Project:	0752
BCL Work Order:	1402897
Invoice ID:	B166828

Enclosed are the results of analyses for samples received by the laboratory on 2/6/2014. 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

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CHAIN OF CUSTODY FORM

#14-02897

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

COC 1 of 2

Union Oil Site ID: 0752	Union Oil Consultant: Arcadis
Site Global ID: T0600101486	Consultant Contact: Katherine Brandt.
Site Address: 800 Harrison St. Oakland CA	Consultant Phone No.: 510-596-9675
Union Oil PM: Tim Bishop	Sampling Company: [redacted] Gettler-Ryan
Union Oil PM Phone No.: 925-790-6463	Sampled By (PRINT): Alex Wong
Charge Code: NWRTB-0 351646 -0- LAB	Sampler Signature:
This is a LEGAL document. ALL fields must be filled out CORRECTLY and COMPLETELY.	BC Laboratories, Inc. Project Manager: Molly Meyers 4100 Atlas Court, Bakersfield, CA 93308 Phone No. 661-327-4911

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

Special Instructions

SAMPLE ID						ANALYSES REQUIRED												
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [redacted] (GRO) (8015)	BTEX/MTBE by [redacted] by EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)	Dissolved Iron/Nitrate/Sulfate/Nitrite/Alkalinity	Methane	TOC	Dissolved Metals (Cd, Cr, Pb, Ni, Zn) (6010)	SVOC's (8270)	Notes / Comments
-1 QA	W-S-A		140206	—	2		X	X									
-2 MW-1	W-S-A		↓	1115	14		X	X	X		X	X	X	X	X	X	
-3 MW-2	W-S-A			0750	11		X	X	X		X	X	X	X			
-4 MW-3	W-S-A			0910	11		X	X	X		X	X	X	X			
-5 MW-4	W-S-A			0830	11		X	X	X		X	X	X	X			
-6 MW-5	W-S-A			1032	11		X	X	X		X	X	X	X			
-7 MW-6	W-S-A			0952	11		X	X	X		X	X	X	X			
-8 MW-7	W-S-A			0800	11		X	X	X		X	X	X	X			
-9 MW-8	W-S-A			0855	11		X	X	X		X	X	X	X			
-10 A-MW-2	W-S-A			1145	11		X	X	X		X	X	X	X			
-11 A-MW-3	W-S-A			1020	11		X	X	X		X	X	X	X			
-12 A-MW-4	W-S-A		↓	1100	11		X	X	X		X	X	X	X			

Relinquished By	Company	Date / Time:
[signature]	G-R	2.6.14 (1330)
[signature]	GR INC	02-06-14 1500
Alex Bogan	BCLab	2-6-14 1930

Received By	Company	Date / Time:
GETTLER-RYAN FRIDGE		02-06-14 1330
Alex Bogan	BCLab	2-6-14 1500
[signature]	BCLAB	2-6-14 19:30

REL. [signature] 2-6-14 2300

REC- KD 2-6-14 2300

CHAIN OF CUSTODY FORM

#14-02897

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

COC 2 of 2

Union Oil Site ID: 0752	Union Oil Consultant: Arcadis
Site Global ID: T0600101486	Consultant Contact: Katharine Brandt.
Site Address: 800 Harrison St. Oakland CA	Consultant Phone No.: 510-596-9675
Union Oil PM: Tim Bishop	Sampling Company: [redacted] Gettler-Ryan
Union Oil PM Phone No.: 925-790-6463	Sampled By (PRINT): Alex Wong
Charge Code: NWRTB-0 351646 -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 X 24 Hours ☐ 48 Hours ☐ 72 Hours ☐

Special Instructions

SAMPLE ID						ANALYSES REQUIRED												
Field Point Name	Matrix	DTW	Date (yymmdd)	Sample Time	# of Containers	TPH - Diesel by EPA 8015	TPH - G by [redacted] (C6-C12) (8015B)	BTEX/MTBE by [redacted] EPA 8260B	Ethanol by EPA 8260B	EPA 8260B Full List with OXYS	EDB/EDC (8260)	DISSOLVED IRON/MANGANESE/NITRATE/SULFATE/ALKALINITY	METHANE	TOC			Notes / Comments
-13 A-MW-5	W-S-A		140206	0735	11		X	X	X		X	X	X	X			
-14 A-MW-6	W-S-A			0825	11		X	X	X		X	X	X	X			
-15 A-MW-7	W-S-A			0920	11		X	X	X		X	X	X	X			
-16 S-MW-1	W-S-A			1026	11		X	X	X		X	X	X	X			
-17 S-MW-2	W-S-A			0935	11		X	X	X		X	X	X	X			
-18 S-MW-3	W-S-A			1105	11		X	X	X		X	X	X	X			
-19 S-MW-4	W-S-A			0940	11		X	X	X		X	X	X	X			
-20 S-MW-5	W-S-A			1015	11		X	X	X		X	X	X	X			
-21 S-MW-6	W-S-A			1216	11		X	X	X		X	X	X	X			
-22 S-EW-1	W-S-A			1128	11		X	X	X		X	X	X	X			
-23 MPE-1	W-S-A			0845	6		X	X			X						
-24 MP-1	W-S-A			0800	6		X	X			X						

Relinquished By	Company	Date / Time:
[signature]	GR	2.6.14 (1330)
[signature]	GR	02-06-14 1500
Gary Bogan	BCLab	2-6-14 1930

Received By	Company	Date / Time:
GETTLER-RYAN FRIDGE		02-06-14 1330
Gary Bogan	BCLab	2-6-14 1500
[signature]	BCLAB	2-6-14 19:30

REL. [signature] 2-6-14 2300

KO 2-6-14 2300

Chain of Custody and Cooler Receipt Form for 1402897 Page 3 of 6

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 1 Of 4

Submission #: 14-02897

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: 0.95 Container: 0+PE Thermometer ID: 207 Date/Time 2/6/14 2300

Temperature: (A) 1.3 °C / (C) 1.3 °C Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	#10	#12	#17	#20	#23	#24	8	9	10
QT GENERAL MINERAL/ GENERAL		C	C	C	C					
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		D	D	D	D					
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	A (6)	A (6)	A (6)	A (6)	A (6)	A (6)	( )	( )	( )
~~QT EPA 413.1, 413.2, 418.1~~ BSK-175		B 3	B 3	B 3	B 3					
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										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	F6									
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

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

CHK BY DISTRIBUTION
MA MT SLM JKR
SUB-OUT

Comments:
Sample Numbering Completed By: SAS Date/Time: 2/7/14 0035
A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1402897 Page 4 of 6

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 2 Of 4

Submission #: 14-02897

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery BC Lab Field Service ☑ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	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: 0.95 Container: QT PE Thermometer ID: 207

Temperature: (A) 1.9 °C / (C) 1.9 °C

Date/Time 2/6/14 2300

Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	x11	x13	x14	x15	x16	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL	C	C	C	C	C					
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	D	D	D	D	D					
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A (6)	A (6)	A (6)	A (6)	A (6)	( )	( )	( )	( )	( )
~~QT EPA 413.1, 413.2, 418.1~~ RSK-175	B 3	B 3	B 3	B 3	B 3					
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										
100ml EPA 547										
100ml EPA 531.1										
QT 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: LK Date/Time: 2/7/14 0835

Chain of Custody and Cooler Receipt Form for 1402897 Page 5 of 6

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 15 07/01/13 Page 3 Of 21

Submission #: 1402897

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery ☐ BC Lab Field Service ☑ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	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: 0.95 Container: Qt PE Thermometer ID: 207

Temperature: (A) 1.9 °C / (C) 1.9 °C

Date/Time 2/6/14 2300

Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	8	9	16	19	21	22	7	8	9	10
QT GENERAL MINERAL/ GENERAL	C	C	C	C	C	C				
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	D	D	D	D	D	D				
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A (6)	A (6)	A (6)	A (6)	A (6)	A (6)	( )	( )	( )	( )
~~QT EPA 413.1, 413.2, 418.1~~ PSK-175	B3	B3	B3	B3	B3	B3				
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										
100ml EPA 547										
100ml EPA 531.1										
QT 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										

omments:_____

ample Numbering Completed By: SAS Date/Time: 2/7/14 0030

Chain of Custody and Cooler Receipt Form for 1402897 Page 6 of 6

BC LABORATORIES INC. **COOLER RECEIPT FORM** Rev. No. 15 07/01/13 Page 4 Of 4

Submission #: 14-02897

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

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

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

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

COC Received ☑YES ☐ NO

Emissivity: 0.95 Container: 8oz PE Thermometer ID: 207

Temperature: (A) 1.8 °C / (C) 1.8 °C

Date/Time 2/6/14 2300

Analyst Init SAS

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL		C	C	C	C	C	C			
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		D	D	D	D	D	D			
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK	A 2									
40ml VOA VIAL	( )	A (6)	A (6)	A (6)	A (6)	A (6)	A (6)	( )	( )	( )
~~QT EPA 413.1, 413.2, 418.1~~ RSK-175		B 3	B 3	B 3	B 3	B 3	B 3			
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										
100ml EPA 547										
100ml EPA 531.1										
QT 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: SAS Date/Time: 2/7/14 0030

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-01	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 00:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	QA-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Trip Blank
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): QA
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-02	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 11:15
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-03	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 07:50
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-2-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-04	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 09:10
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-3-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-3
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-05	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:30
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-4-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-4
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-06	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 10:32
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-5-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-07	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 09:52
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-6-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-6
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-08	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-7-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-09	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:55
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-8-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-8
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-10	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 11:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-2-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-11	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 10:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-3-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-3
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-12	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 11:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-4-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-4
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-13	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 07:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-5-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-14	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:25
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-6-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-6
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-15	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 09:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	A-MW-7-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): A-MW-7
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-16	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 10:26
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-1-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-17	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 09:35
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-2-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-18	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 11:05
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-3-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-3
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-19	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 09:40
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-4-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-4
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-20	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 10:15
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-5-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-5
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-21	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 12:16
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-MW-6-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-MW-6
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1402897-22	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 11:28
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	S-EW-1-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): S-EW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-23	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MPE-1-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MPE-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1402897-24	**COC Number:**	---	**Receive Date:** 02/06/2014 23:00
	Project Number:	0752	**Sampling Date:** 02/06/2014 08:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MP-1-W-140206	**Lab Matrix:** Water
	Sampled By:	GRD	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MP-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-01 | **Client Sample Name:** 0752, QA-W-140206, 2/6/2014 12:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.9	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/07/14 13:47	JMS	MS-V12	1	BXB0431

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-01 | **Client Sample Name:** 0752, QA-W-140206, 2/6/2014 12:00:00AM

Constituent	Result	Units	PQL	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)	82.0	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/14/14 23:02	jjh	GC-V9	1	BXB1124

Arcadis
2000 Powell Street 7th Floor
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**1.6**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 21:14	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	ug/L	2.0	EPA-8270C	ND		1
Acenaphthylene	ND	ug/L	2.0	EPA-8270C	ND		1
Aldrin	ND	ug/L	2.0	EPA-8270C	ND		1
Aniline	ND	ug/L	5.0	EPA-8270C	ND		1
Anthracene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzidine	ND	ug/L	20	EPA-8270C	ND		1
Benzo[a]anthracene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[a]pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzoic acid	ND	ug/L	10	EPA-8270C	ND		1
Benzyl alcohol	ND	ug/L	2.0	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
alpha-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
beta-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
delta-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chloroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
2-Chloronaphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	ug/L	2.0	EPA-8270C	ND		1
Chrysene	ND	ug/L	2.0	EPA-8270C	ND		1
4,4'-DDD	ND	ug/L	2.0	EPA-8270C	ND		1
4,4'-DDE	ND	ug/L	3.0	EPA-8270C	ND		1
4,4'-DDT	ND	ug/L	2.0	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	ug/L	3.0	EPA-8270C	ND		1
Dibenzofuran	ND	ug/L	2.0	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	ug/L	10	EPA-8270C	ND		1
Dieldrin	ND	ug/L	3.0	EPA-8270C	ND		1
Diethyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
Dimethyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	ug/L	2.0	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	ug/L	2.0	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	ug/L	2.0	EPA-8270C	ND		1
Endosulfan I	ND	ug/L	10	EPA-8270C	ND		1
Endosulfan II	ND	ug/L	10	EPA-8270C	ND		1
Endosulfan sulfate	ND	ug/L	3.0	EPA-8270C	ND		1
Endrin	ND	ug/L	2.0	EPA-8270C	ND		1
Endrin aldehyde	ND	ug/L	10	EPA-8270C	ND		1
Fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Fluorene	ND	ug/L	2.0	EPA-8270C	ND		1
Heptachlor	ND	ug/L	2.0	EPA-8270C	ND		1
Heptachlor epoxide	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorobutadiene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachloroethane	ND	ug/L	2.0	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
Isophorone	ND	ug/L	2.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
Naphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
2-Naphthylamine	ND	ug/L	20	EPA-8270C	ND		1
2-Nitroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
3-Nitroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
4-Nitroaniline	ND	ug/L	5.0	EPA-8270C	ND		1
Nitrobenzene	ND	ug/L	2.0	EPA-8270C	ND		1

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	ug/L	2.0	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	ug/L	2.0	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	ug/L	2.0	EPA-8270C	ND		1
Phenanthrene	ND	ug/L	2.0	EPA-8270C	ND		1
Pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	ug/L	5.0	EPA-8270C	ND		1
2-Chlorophenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	ug/L	10	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	ug/L	10	EPA-8270C	ND		1
2-Methylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
2-Nitrophenol	ND	ug/L	2.0	EPA-8270C	ND		1
4-Nitrophenol	ND	ug/L	2.0	EPA-8270C	ND		1
Pentachlorophenol	ND	ug/L	10	EPA-8270C	ND		1
Phenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	ug/L	5.0	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	ug/L	5.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	59.6	%	30 - 120 (LCL - UCL)	EPA-8270C			1
Phenol-d5 (Surrogate)	39.3	%	12 - 110 (LCL - UCL)	EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	101	%	60 - 130 (LCL - UCL)	EPA-8270C			1
2-Fluorobiphenyl (Surrogate)	104	%	55 - 125 (LCL - UCL)	EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	94.8	%	40 - 150 (LCL - UCL)	EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	119	%	40 - 150 (LCL - UCL)	EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	02/10/14	02/14/14 23:16	SKC	MS-B2	1	BXB0841

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	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)	85.7	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/14/14 23:23	jjh	GC-V9	1	BXB1124

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Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.010**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 15:59	EAR	GC-V1	1	BXB0489

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**34**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**1.6**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**7.9**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.1**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:05	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 14:24	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 13:45	ALW	TOC2	1	BXB0383

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-02 | **Client Sample Name:** 0752, MW-1-W-140206, 2/6/2014 11:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Iron	**56**	**ug/L**	**50**	**EPA-6010B**	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	**14**	**ug/L**	**10**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:33	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-03 | **Client Sample Name:** 0752, MW-2-W-140206, 2/6/2014 7:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 21:32	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-03 | **Client Sample Name:** 0752, MW-2-W-140206, 2/6/2014 7:50:00AM

Constituent	Result	Units	PQL	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)	84.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 00:44	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-03 | **Client Sample Name:** 0752, MW-2-W-140206, 2/6/2014 7:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.014**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 16:06	EAR	GC-V1	1	BXB0489

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-03 | **Client Sample Name:** 0752, MW-2-W-140206, 2/6/2014 7:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**110**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**6.4**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**110**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**0.70**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:17	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 14:40	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 14:27	ALW	TOC2	1	BXB0384

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-03 | **Client Sample Name:** 0752, MW-2-W-140206, 2/6/2014 7:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:41	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-04 | **Client Sample Name:** 0752, MW-3-W-140206, 2/6/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**7.9**	**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	**1.7**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**760**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	2
Toluene	**0.87**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Total Xylenes	**5.2**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	99.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	99.7	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	131	%	80 - 120 (LCL - UCL)	EPA-8260B		S09	1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/13/14 01:18	JMS	MS-V12	1	BXB0432
2	EPA-8260B	02/07/14	02/14/14 02:02	JMS	MS-V12	10	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-04 | **Client Sample Name:** 0752, MW-3-W-140206, 2/6/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**1300**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	188	%	70 - 130 (LCL - UCL)	EPA-8015B		A19,S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 01:04	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-04 | **Client Sample Name:** 0752, MW-3-W-140206, 2/6/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**8.7**	**mg/L**	**0.025**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 16:20	EAR	GC-V1	25	BXB0489

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-04 | **Client Sample Name:** 0752, MW-3-W-140206, 2/6/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**420**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**4.6**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**5.1**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:23	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 14:55	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 15:50	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-04 | **Client Sample Name:** 0752, MW-3-W-140206, 2/6/2014 9:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**2600**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:43	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-05 | **Client Sample Name:** 0752, MW-4-W-140206, 2/6/2014 8:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.4	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 21:49	JMS	MS-V12	1	BXB0432

Arcadis
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-05 | **Client Sample Name:** 0752, MW-4-W-140206, 2/6/2014 8:30:00AM

Constituent	Result	Units	PQL	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)	72.8	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 01:25	jjh	GC-V9	1	BXB1124

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Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-05 | **Client Sample Name:** 0752, MW-4-W-140206, 2/6/2014 8:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0053**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 18:17	EAR	GC-V1	1	BXB0489

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-05 | **Client Sample Name:** 0752, MW-4-W-140206, 2/6/2014 8:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**81**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**3.1**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**17**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.3**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:32	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 15:11	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 16:05	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-05 | **Client Sample Name:** 0752, MW-4-W-140206, 2/6/2014 8:30:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**480**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:44	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-06 | **Client Sample Name:** 0752, MW-5-W-140206, 2/6/2014 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**13**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	**2.3**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**1.8**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	**7.4**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Total Xylenes	**13**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	96.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	116	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 22:07	JMS	MS-V12	1	BXB0432

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-06 | **Client Sample Name:** 0752, MW-5-W-140206, 2/6/2014 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**1400**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	118	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 01:45	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-06 | **Client Sample Name:** 0752, MW-5-W-140206, 2/6/2014 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**3.3**	**mg/L**	**0.010**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 18:34	EAR	GC-V1	10	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-06 | **Client Sample Name:** 0752, MW-5-W-140206, 2/6/2014 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**190**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	ND	mg/L	1.0	EPA-300.0	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**2.4**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:38	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 15:27	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 16:19	ALW	TOC2	1	BXB0384

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-06 | **Client Sample Name:** 0752, MW-5-W-140206, 2/6/2014 10:32:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**410**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:51	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-07 | **Client Sample Name:** 0752, MW-6-W-140206, 2/6/2014 9:52:00AM

Constituent	Result	Units	PQL	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	**0.81**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.2	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 22:24	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-07 | **Client Sample Name:** 0752, MW-6-W-140206, 2/6/2014 9:52:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**150**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	109	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 02:05	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-07 | **Client Sample Name:** 0752, MW-6-W-140206, 2/6/2014 9:52:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**1.8**	**mg/L**	**0.0050**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 18:38	EAR	GC-V1	5	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-07 | **Client Sample Name:** 0752, MW-6-W-140206, 2/6/2014 9:52:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**170**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**26**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**2.9**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:45	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 15:43	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 16:34	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-07 | **Client Sample Name:** 0752, MW-6-W-140206, 2/6/2014 9:52:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**110**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 14:53	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-08 | **Client Sample Name:** 0752, MW-7-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**66**	**ug/L**	**1.0**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**2.5**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Methyl t-butyl ether	**47**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Toluene	**10**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Total Xylenes	**17**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	92.8	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	96.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	94.6	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/14/14 01:27	JMS	MS-V12	2	BXB0432
2	EPA-8260B	02/07/14	02/12/14 22:41	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-08 | **Client Sample Name:** 0752, MW-7-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**790**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	107	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 02:26	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-08 | **Client Sample Name:** 0752, MW-7-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**1.3**	**mg/L**	**0.0050**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 18:42	EAR	GC-V1	5	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-08 | **Client Sample Name:** 0752, MW-7-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**74**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**4.3**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.8**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:52	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 15:59	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 16:48	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-08 | **Client Sample Name:** 0752, MW-7-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**480**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:42	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-09 | **Client Sample Name:** 0752, MW-8-W-140206, 2/6/2014 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 22:59	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-09 | **Client Sample Name:** 0752, MW-8-W-140206, 2/6/2014 8:55:00AM

Constituent	Result	Units	PQL	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)	79.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 02:46	jjh	GC-V9	1	BXB1124

Arcadis
2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-09 | **Client Sample Name:** 0752, MW-8-W-140206, 2/6/2014 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0035**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:05	EAR	GC-V1	1	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-09 | **Client Sample Name:** 0752, MW-8-W-140206, 2/6/2014 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**180**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**20**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.5**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 13:58	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 16:15	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:16	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 17:01	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-09 | **Client Sample Name:** 0752, MW-8-W-140206, 2/6/2014 8:55:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**130**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:44	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-10 | **Client Sample Name:** 0752, A-MW-2-W-140206, 2/6/2014 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**1400**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**1300**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
Methyl t-butyl ether	**3000**	**ug/L**	**50**	**EPA-8260B**	ND	**A01**	3
Toluene	**5200**	**ug/L**	**50**	**EPA-8260B**	ND	**A01**	3
Total Xylenes	**5000**	**ug/L**	**25**	**EPA-8260B**	ND	**A01**	1
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	127	%	75 - 125 (LCL - UCL)	EPA-8260B		S09	2
1,2-Dichloroethane-d4 (Surrogate)	102	%	75 - 125 (LCL - UCL)	EPA-8260B			3
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	73.2	%	80 - 120 (LCL - UCL)	EPA-8260B		S09	2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			3
4-Bromofluorobenzene (Surrogate)	107	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	145	%	80 - 120 (LCL - UCL)	EPA-8260B		S09	2
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/14/14 02:54	JMS	MS-V12	25	BXB0432
2	EPA-8260B	02/07/14	02/13/14 01:35	JMS	MS-V12	1	BXB0432
3	EPA-8260B	02/14/14	02/14/14 11:37	JMS	MS-V12	100	BXB0747

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-10 | **Client Sample Name:** 0752, A-MW-2-W-140206, 2/6/2014 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**5200**	**ug/L**	**2500**	**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	107	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 02:17	jjh	GC-V9	50	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-10 | **Client Sample Name:** 0752, A-MW-2-W-140206, 2/6/2014 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**6.5**	**mg/L**	**0.025**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:34	EAR	GC-V1	25	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-10 | **Client Sample Name:** 0752, A-MW-2-W-140206, 2/6/2014 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**490**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	ND	mg/L	1.0	EPA-300.0	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**20**	**mg/L**	**1.5**	**EPA-415.1**	ND	**A01**	4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 14:04	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 16:30	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:37	TDC	KONE-1	1	BXB0468
4	EPA-415.1	02/07/14	02/07/14 17:16	ALW	TOC2	5	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-10 | **Client Sample Name:** 0752, A-MW-2-W-140206, 2/6/2014 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**4600**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:50	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-11 | **Client Sample Name:** 0752, A-MW-3-W-140206, 2/6/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.4	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/13/14 18:31	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-11 | **Client Sample Name:** 0752, A-MW-3-W-140206, 2/6/2014 10:20:00AM

Constituent	Result	Units	PQL	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)	93.8	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 00:35	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-11 | **Client Sample Name:** 0752, A-MW-3-W-140206, 2/6/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0072**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:38	EAR	GC-V1	1	BXB0490

Arcadis
2000 Powell Street 7th Floor
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-11 | **Client Sample Name:** 0752, A-MW-3-W-140206, 2/6/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**110**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**33**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**37**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.7**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 14:13	RML	MET-1	1	BXB0565
2	EPA-300.0	02/07/14	02/07/14 16:46	OLH	IC2	1	BXB0495
3	EPA-353.2	02/07/14	02/07/14 10:40	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 17:31	ALW	TOC2	1	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-11 | **Client Sample Name:** 0752, A-MW-3-W-140206, 2/6/2014 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:47	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-12 | **Client Sample Name:** 0752, A-MW-4-W-140206, 2/6/2014 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**850**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**54**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Methyl t-butyl ether	**600**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
Toluene	**29**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Total Xylenes	**62**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	97.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.3	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	114	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/14/14 03:11	JMS	MS-V12	25	BXB0432
2	EPA-8260B	02/07/14	02/13/14 02:10	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-12 | **Client Sample Name:** 0752, A-MW-4-W-140206, 2/6/2014 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**620**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 00:56	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-12 | **Client Sample Name:** 0752, A-MW-4-W-140206, 2/6/2014 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**2.1**	**mg/L**	**0.0050**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:42	EAR	GC-V1	5	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-12 | **Client Sample Name:** 0752, A-MW-4-W-140206, 2/6/2014 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**440**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**9.8**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**12**	**mg/L**	**1.5**	**EPA-415.1**	ND	**A01**	4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 14:35	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 17:34	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 10:40	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 18:13	ALW	TOC2	5	BXB0384

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-12 | **Client Sample Name:** 0752, A-MW-4-W-140206, 2/6/2014 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**340**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:49	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-13 | **Client Sample Name:** 0752, A-MW-5-W-140206, 2/6/2014 7:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/13/14 02:27	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-13 | **Client Sample Name:** 0752, A-MW-5-W-140206, 2/6/2014 7:35:00AM

Constituent	Result	Units	PQL	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)	75.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 05:08	jjh	GC-V9	1	BXB1124

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2000 Powell Street 7th Floor
Emeryville, CA 94608

Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-13 | **Client Sample Name:** 0752, A-MW-5-W-140206, 2/6/2014 7:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0023**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:46	EAR	GC-V1	1	BXB0490

Arcadis
2000 Powell Street 7th Floor
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-13 | **Client Sample Name:** 0752, A-MW-5-W-140206, 2/6/2014 7:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**160**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**15**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**51**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**2.8**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 14:50	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 17:49	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:47	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 18:55	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-13 | **Client Sample Name:** 0752, A-MW-5-W-140206, 2/6/2014 7:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:52	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-14 | **Client Sample Name:** 0752, A-MW-6-W-140206, 2/6/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.7	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 23:16	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-14 | **Client Sample Name:** 0752, A-MW-6-W-140206, 2/6/2014 8:25:00AM

Constituent	Result	Units	PQL	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)	76.7	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 05:29	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-14 | **Client Sample Name:** 0752, A-MW-6-W-140206, 2/6/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0017**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:49	EAR	GC-V1	1	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-14 | **Client Sample Name:** 0752, A-MW-6-W-140206, 2/6/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**150**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**38**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**2.7**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 14:57	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 18:05	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 19:50	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-14 | **Client Sample Name:** 0752, A-MW-6-W-140206, 2/6/2014 8:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**75**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:54	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-15 | **Client Sample Name:** 0752, A-MW-7-W-140206, 2/6/2014 9:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	95.7	%	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	02/07/14	02/12/14 23:33	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-15 | **Client Sample Name:** 0752, A-MW-7-W-140206, 2/6/2014 9:20:00AM

Constituent	Result	Units	PQL	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)	75.4	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/15/14 05:49	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-15 | **Client Sample Name:** 0752, A-MW-7-W-140206, 2/6/2014 9:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.030**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/07/14	02/07/14 19:52	EAR	GC-V1	1	BXB0490

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-15 | **Client Sample Name:** 0752, A-MW-7-W-140206, 2/6/2014 9:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**220**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**38**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**3.6**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:03	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 18:21	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 20:04	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-15 | **Client Sample Name:** 0752, A-MW-7-W-140206, 2/6/2014 9:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**760**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 15:56	ARD	PE-OP2	1	BXB0629

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2000 Powell Street 7th Floor
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-16 | **Client Sample Name:** 0752, S-MW-1-W-140206, 2/6/2014 10:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**1800**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**400**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
Methyl t-butyl ether	**10000**	**ug/L**	**100**	**EPA-8260B**	ND	**A01**	3
Toluene	**86**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Total Xylenes	**250**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	99.4	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	110	%	75 - 125 (LCL - UCL)	EPA-8260B			2
1,2-Dichloroethane-d4 (Surrogate)	99.7	%	75 - 125 (LCL - UCL)	EPA-8260B			3
Toluene-d8 (Surrogate)	99.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	96.0	%	80 - 120 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			3
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	143	%	80 - 120 (LCL - UCL)	EPA-8260B		S09	2
4-Bromofluorobenzene (Surrogate)	96.3	%	80 - 120 (LCL - UCL)	EPA-8260B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/14/14 03:29	JMS	MS-V12	25	BXB0432
2	EPA-8260B	02/07/14	02/13/14 02:45	JMS	MS-V12	1	BXB0432
3	EPA-8260B	02/14/14	02/14/14 11:54	JMS	MS-V12	200	BXB0747

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Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-16 | **Client Sample Name:** 0752, S-MW-1-W-140206, 2/6/2014 10:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**2600**	**ug/L**	**2500**	**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	100	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 02:37	jjh	GC-V9	50	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-16 | **Client Sample Name:** 0752, S-MW-1-W-140206, 2/6/2014 10:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**6.3**	**mg/L**	**0.025**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 16:04	JMS	GC-V1	25	BXB1177

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-16 | **Client Sample Name:** 0752, S-MW-1-W-140206, 2/6/2014 10:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**370**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	ND	mg/L	1.0	EPA-300.0	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**33**	**mg/L**	**1.5**	**EPA-415.1**	ND	**A01**	4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:10	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 18:37	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 20:18	ALW	TOC2	5	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-16 | **Client Sample Name:** 0752, S-MW-1-W-140206, 2/6/2014 10:26:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**950**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:00	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-17 | **Client Sample Name:** 0752, S-MW-2-W-140206, 2/6/2014 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.3	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.0	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/13/14 01:00	JMS	MS-V12	1	BXB0432

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-17 | **Client Sample Name:** 0752, S-MW-2-W-140206, 2/6/2014 9:35:00AM

Constituent	Result	Units	PQL	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)	93.6	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 01:16	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-17 | **Client Sample Name:** 0752, S-MW-2-W-140206, 2/6/2014 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0058**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 15:48	JMS	GC-V1	1	BXB1177

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-17 | **Client Sample Name:** 0752, S-MW-2-W-140206, 2/6/2014 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**150**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**38**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**38**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.9**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:18	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 18:53	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 21:00	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-17 | **Client Sample Name:** 0752, S-MW-2-W-140206, 2/6/2014 9:35:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:02	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-18 | **Client Sample Name:** 0752, S-MW-3-W-140206, 2/6/2014 11:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/12/14 23:51	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-18 | **Client Sample Name:** 0752, S-MW-3-W-140206, 2/6/2014 11:05:00AM

Constituent	Result	Units	PQL	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)	93.2	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 01:36	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-18 | **Client Sample Name:** 0752, S-MW-3-W-140206, 2/6/2014 11:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0062**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 15:44	JMS	GC-V1	1	BXB1177

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-18 | **Client Sample Name:** 0752, S-MW-3-W-140206, 2/6/2014 11:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**140**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**18**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**1.7**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:24	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 19:09	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 21:15	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-18 | **Client Sample Name:** 0752, S-MW-3-W-140206, 2/6/2014 11:05:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:04	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-19 | **Client Sample Name:** 0752, S-MW-4-W-140206, 2/6/2014 9:40:00AM

Constituent	Result	Units	PQL	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	**9.4**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.2	%	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	02/07/14	02/13/14 00:08	JMS	MS-V12	1	BXB0432

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-19 | **Client Sample Name:** 0752, S-MW-4-W-140206, 2/6/2014 9:40:00AM

Constituent	Result	Units	PQL	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)	95.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/13/14	02/19/14 01:57	jjh	GC-V9	1	BXB1124

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-19 | **Client Sample Name:** 0752, S-MW-4-W-140206, 2/6/2014 9:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**2.4**	**mg/L**	**0.010**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 15:56	JMS	GC-V1	10	BXB0530

Arcadis
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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-19 | **Client Sample Name:** 0752, S-MW-4-W-140206, 2/6/2014 9:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**310**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**17**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**4.0**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:30	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 19:24	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 21:29	ALW	TOC2	1	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-19 | **Client Sample Name:** 0752, S-MW-4-W-140206, 2/6/2014 9:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:05	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-20 | **Client Sample Name:** 0752, S-MW-5-W-140206, 2/6/2014 10:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**1900**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**240**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
Methyl t-butyl ether	**7600**	**ug/L**	**100**	**EPA-8260B**	ND	**A01**	3
Toluene	**150**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	1
Total Xylenes	**220**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260B			2
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)	EPA-8260B			3
Toluene-d8 (Surrogate)	97.5	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	97.0	%	80 - 120 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			3
4-Bromofluorobenzene (Surrogate)	99.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	115	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	98.2	%	80 - 120 (LCL - UCL)	EPA-8260B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/07/14	02/14/14 03:46	JMS	MS-V12	25	BXB0432
2	EPA-8260B	02/07/14	02/13/14 03:02	JMS	MS-V12	1	BXB0432
3	EPA-8260B	02/14/14	02/14/14 12:12	JMS	MS-V12	200	BXB0747

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-20 | **Client Sample Name:** 0752, S-MW-5-W-140206, 2/6/2014 10:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**3400**	**ug/L**	**500**	**EPA-8015B**	ND	**A01**	1
a,a,a-Trifluorotoluene (FID Surrogate)	107	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/12/14	02/19/14 02:58	jjh	GC-V9	10	BXB0789

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-20 | **Client Sample Name:** 0752, S-MW-5-W-140206, 2/6/2014 10:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**11**	**mg/L**	**0.025**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 17:26	JMS	GC-V1	25	BXB0530

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-20 | **Client Sample Name:** 0752, S-MW-5-W-140206, 2/6/2014 10:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**430**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	ND	mg/L	1.0	EPA-300.0	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**11**	**mg/L**	**1.5**	**EPA-415.1**	ND	**A01**	4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:38	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 19:40	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0470
4	EPA-415.1	02/07/14	02/07/14 21:43	ALW	TOC2	5	BXB0385

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-20 | **Client Sample Name:** 0752, S-MW-5-W-140206, 2/6/2014 10:15:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**4200**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:07	ARD	PE-OP2	1	BXB0629

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-21 | **Client Sample Name:** 0752, S-MW-6-W-140206, 2/6/2014 12:16:00PM

Constituent	Result	Units	PQL	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	**1100**	**ug/L**	**12**	**EPA-8260B**	ND	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	97.1	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/13/14 18:48	JMS	MS-V12	1	BXB0681
2	EPA-8260B	02/14/14	02/14/14 11:19	JMS	MS-V12	25	BXB0747

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-21 | **Client Sample Name:** 0752, S-MW-6-W-140206, 2/6/2014 12:16:00PM

Constituent	Result	Units	PQL	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)	83.3	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/12/14	02/15/14 07:51	jjh	GC-V9	1	BXB0789

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Gas Testing in Water

BCL Sample ID: 1402897-21 | **Client Sample Name:** 0752, S-MW-6-W-140206, 2/6/2014 12:16:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**0.0019**	**mg/L**	**0.0010**	**RSK-175M**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 15:41	JMS	GC-V1	1	BXB0530

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Reported: 02/24/2014 9:06
Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Water Analysis (General Chemistry)

BCL Sample ID: 1402897-21 | **Client Sample Name:** 0752, S-MW-6-W-140206, 2/6/2014 12:16:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**170**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	**3.9**	**mg/L**	**0.44**	**EPA-300.0**	ND		2
Sulfate	**24**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**0.91**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 15:46	RML	MET-1	1	BXB0566
2	EPA-300.0	02/07/14	02/07/14 19:56	OLH	IC2	1	BXB0496
3	EPA-353.2	02/07/14	02/07/14 09:53	TDC	KONE-1	1	BXB0471
4	EPA-415.1	02/07/14	02/07/14 21:57	ALW	TOC2	1	BXB0385

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Project Number: 351646
Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-21 | **Client Sample Name:** 0752, S-MW-6-W-140206, 2/6/2014 12:16:00PM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	ND	ug/L	50	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:09	ARD	PE-OP2	1	BXB0629

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Project: 0752
Project Number: 351646
Project Manager: Kathy Brandt

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-22 | **Client Sample Name:** 0752, S-EW-1-W-140206, 2/6/2014 11:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**68**	**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	**7.9**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**180**	**ug/L**	**2.5**	**EPA-8260B**	ND	**A01**	2
Toluene	**1.2**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Total Xylenes	**7.0**	**ug/L**	**1.0**	**EPA-8260B**	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	98.6	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	106	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.4	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/13/14 00:25	JMS	MS-V12	1	BXB0681
2	EPA-8260B	02/10/14	02/14/14 01:45	JMS	MS-V12	5	BXB0681

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-22 | **Client Sample Name:** 0752, S-EW-1-W-140206, 2/6/2014 11:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**640**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	113	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/12/14	02/15/14 08:11	jjh	GC-V9	1	BXB0789

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Gas Testing in Water

BCL Sample ID: 1402897-22 | **Client Sample Name:** 0752, S-EW-1-W-140206, 2/6/2014 11:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Methane	**1.2**	**mg/L**	**0.010**	**RSK-175M**	ND	**A01**	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	RSK-175M	02/18/14	02/18/14 15:53	JMS	GC-V1	10	BXB0530

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Water Analysis (General Chemistry)

BCL Sample ID: 1402897-22 | **Client Sample Name:** 0752, S-EW-1-W-140206, 2/6/2014 11:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Alkalinity as CaCO3	**230**	**mg/L**	**4.1**	**EPA-310.1**	ND		1
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**12**	**mg/L**	**1.0**	**EPA-300.0**	ND		2
Nitrite as NO2	ND	mg/L	0.17	EPA-353.2	ND		3
Non-Volatile Organic Carbon	**5.0**	**mg/L**	**0.30**	**EPA-415.1**	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	02/10/14	02/10/14 16:19	RML	MET-1	1	BXB0567
2	EPA-300.0	02/07/14	02/07/14 20:43	OLH	IC2	1	BXB0497
3	EPA-353.2	02/07/14	02/07/14 09:55	TDC	KONE-1	1	BXB0471
4	EPA-415.1	02/07/14	02/07/14 22:11	ALW	TOC2	1	BXB0385

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Project Manager: Kathy Brandt

Metals Analysis

BCL Sample ID: 1402897-22 | **Client Sample Name:** 0752, S-EW-1-W-140206, 2/6/2014 11:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Iron	**1700**	**ug/L**	**50**	**EPA-6010B**	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 16:14	ARD	PE-OP2	1	BXB0630

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-23 | **Client Sample Name:** 0752, MPE-1-W-140206, 2/6/2014 8:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**93**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		2
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		2
Ethylbenzene	**13**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Methyl t-butyl ether	**410**	**ug/L**	**5.0**	**EPA-8260B**	ND	**A01**	1
Toluene	**24**	**ug/L**	**0.50**	**EPA-8260B**	ND		2
Total Xylenes	**29**	**ug/L**	**1.0**	**EPA-8260B**	ND		2
Ethanol	ND	ug/L	250	EPA-8260B	ND		2
1,2-Dichloroethane-d4 (Surrogate)	103	%	75 - 125 (LCL - UCL)	EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	99.4	%	75 - 125 (LCL - UCL)	EPA-8260B			2
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	96.6	%	80 - 120 (LCL - UCL)	EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	99.2	%	80 - 120 (LCL - UCL)	EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	80 - 120 (LCL - UCL)	EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/10/14	02/14/14 02:37	JMS	MS-V12	10	BXB0681
2	EPA-8260B	02/10/14	02/13/14 19:05	JMS	MS-V12	1	BXB0681

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Project Number: 351646
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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-23 | **Client Sample Name:** 0752, MPE-1-W-140206, 2/6/2014 8:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Gasoline Range Organics (C6 - C12)	**460**	**ug/L**	**50**	**EPA-8015B**	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	99.9	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/12/14	02/18/14 23:55	jjh	GC-V9	1	BXB0789

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Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1402897-24 | **Client Sample Name:** 0752, MP-1-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260B	ND		1
Methyl t-butyl ether	**1.8**	**ug/L**	**0.50**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260B	ND		1
Ethanol	ND	ug/L	250	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	101	%	75 - 125 (LCL - UCL)	EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	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	02/10/14	02/13/14 00:43	JMS	MS-V12	1	BXB0681

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Project Manager: Kathy Brandt

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1402897-24 | **Client Sample Name:** 0752, MP-1-W-140206, 2/6/2014 8:00:00AM

Constituent	Result	Units	PQL	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)	95.9	%	70 - 130 (LCL - UCL)	EPA-8015B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8015B	02/12/14	02/19/14 00:15	jjh	GC-V9	1	BXB0789

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Project: 0752
Project Number: 351646
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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0431						
Benzene	BXB0431-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB0431-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB0431-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB0431-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB0431-BLK1	ND	ug/L	0.50		
Toluene	BXB0431-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB0431-BLK1	ND	ug/L	1.0		
Ethanol	BXB0431-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0431-BLK1**	**105**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXB0431-BLK1**	**104**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0431-BLK1**	**98.9**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BXB0432						
Benzene	BXB0432-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB0432-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB0432-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB0432-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB0432-BLK1	ND	ug/L	0.50		
Toluene	BXB0432-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB0432-BLK1	ND	ug/L	1.0		
Ethanol	BXB0432-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0432-BLK1**	**102**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXB0432-BLK1**	**101**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0432-BLK1**	**96.6**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BXB0681						
Benzene	BXB0681-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BXB0681-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BXB0681-BLK1	ND	ug/L	0.50		
Ethylbenzene	BXB0681-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BXB0681-BLK1	ND	ug/L	0.50		
Toluene	BXB0681-BLK1	ND	ug/L	0.50		
Total Xylenes	BXB0681-BLK1	ND	ug/L	1.0		
Ethanol	BXB0681-BLK1	ND	ug/L	250		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0681-BLK1**	**104**	%	**75 - 125 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0681						
Toluene-d8 (Surrogate)	**BXB0681-BLK1**	**102**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0681-BLK1**	**97.3**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: BXB0747						
Methyl t-butyl ether	BXB0747-BLK1	ND	ug/L	0.50		
Toluene	BXB0747-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	**BXB0747-BLK1**	**103**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BXB0747-BLK1**	**99.4**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BXB0747-BLK1**	**97.7**	%	**80 - 120 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0431										
Benzene	BXB0431-BS1	LCS	25.720	25.000	ug/L	103		70 - 130		
Toluene	BXB0431-BS1	LCS	25.400	25.000	ug/L	102		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0431-BS1	LCS	10.080	10.000	ug/L	101		75 - 125		
Toluene-d8 (Surrogate)	BXB0431-BS1	LCS	10.150	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0431-BS1	LCS	10.090	10.000	ug/L	101		80 - 120		
QC Batch ID: BXB0432										
Benzene	BXB0432-BS1	LCS	30.830	25.000	ug/L	123		70 - 130		
Toluene	BXB0432-BS1	LCS	32.000	25.000	ug/L	128		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0432-BS1	LCS	9.7000	10.000	ug/L	97.0		75 - 125		
Toluene-d8 (Surrogate)	BXB0432-BS1	LCS	9.8600	10.000	ug/L	98.6		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0432-BS1	LCS	9.7700	10.000	ug/L	97.7		80 - 120		
QC Batch ID: BXB0681										
Benzene	BXB0681-BS1	LCS	27.680	25.000	ug/L	111		70 - 130		
Toluene	BXB0681-BS1	LCS	27.320	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0681-BS1	LCS	9.8700	10.000	ug/L	98.7		75 - 125		
Toluene-d8 (Surrogate)	BXB0681-BS1	LCS	10.180	10.000	ug/L	102		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0681-BS1	LCS	10.160	10.000	ug/L	102		80 - 120		
QC Batch ID: BXB0747										
Toluene	BXB0747-BS1	LCS	30.060	25.000	ug/L	120		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BXB0747-BS1	LCS	9.8400	10.000	ug/L	98.4		75 - 125		
Toluene-d8 (Surrogate)	BXB0747-BS1	LCS	9.8800	10.000	ug/L	98.8		80 - 120		
4-Bromofluorobenzene (Surrogate)	BXB0747-BS1	LCS	10.060	10.000	ug/L	101		80 - 120		

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Project Number: 351646
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: BXB0431	Used client sample: N										
Benzene	MS	1400811-74	ND	31.240	25.000	ug/L		125		70 - 130	
	MSD	1400811-74	ND	30.060	25.000	ug/L	3.8	120	20	70 - 130	
Toluene	MS	1400811-74	ND	30.200	25.000	ug/L		121		70 - 130	
	MSD	1400811-74	ND	28.940	25.000	ug/L	4.3	116	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-74	ND	9.6600	10.000	ug/L		96.6		75 - 125	
	MSD	1400811-74	ND	9.7800	10.000	ug/L	1.2	97.8		75 - 125	
Toluene-d8 (Surrogate)	MS	1400811-74	ND	9.9100	10.000	ug/L		99.1		80 - 120	
	MSD	1400811-74	ND	10.090	10.000	ug/L	1.8	101		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-74	ND	10.160	10.000	ug/L		102		80 - 120	
	MSD	1400811-74	ND	10.440	10.000	ug/L	2.7	104		80 - 120	
QC Batch ID: BXB0432	Used client sample: N										
Benzene	MS	1400811-75	ND	24.730	25.000	ug/L		98.9		70 - 130	
	MSD	1400811-75	ND	25.140	25.000	ug/L	1.6	101	20	70 - 130	
Toluene	MS	1400811-75	ND	24.500	25.000	ug/L		98.0		70 - 130	
	MSD	1400811-75	ND	24.300	25.000	ug/L	0.8	97.2	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-75	ND	9.8600	10.000	ug/L		98.6		75 - 125	
	MSD	1400811-75	ND	10.070	10.000	ug/L	2.1	101		75 - 125	
Toluene-d8 (Surrogate)	MS	1400811-75	ND	9.7900	10.000	ug/L		97.9		80 - 120	
	MSD	1400811-75	ND	9.8900	10.000	ug/L	1.0	98.9		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-75	ND	9.6900	10.000	ug/L		96.9		80 - 120	
	MSD	1400811-75	ND	10.040	10.000	ug/L	3.5	100		80 - 120	
QC Batch ID: BXB0681	Used client sample: N										
Benzene	MS	1400811-78	ND	30.550	25.000	ug/L		122		70 - 130	
	MSD	1400811-78	ND	26.450	25.000	ug/L	14.4	106	20	70 - 130	
Toluene	MS	1400811-78	ND	30.550	25.000	ug/L		122		70 - 130	
	MSD	1400811-78	ND	26.780	25.000	ug/L	13.2	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-78	ND	9.9600	10.000	ug/L		99.6		75 - 125	
	MSD	1400811-78	ND	9.9100	10.000	ug/L	0.5	99.1		75 - 125	
Toluene-d8 (Surrogate)	MS	1400811-78	ND	10.230	10.000	ug/L		102		80 - 120	
	MSD	1400811-78	ND	9.9600	10.000	ug/L	2.7	99.6		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-78	ND	10.390	10.000	ug/L		104		80 - 120	
	MSD	1400811-78	ND	10.380	10.000	ug/L	0.1	104		80 - 120	
QC Batch ID: BXB0747	Used client sample: N										
Toluene	MS	1400811-80	ND	30.320	25.000	ug/L		121		70 - 130	
	MSD	1400811-80	ND	28.320	25.000	ug/L	6.8	113	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1400811-80	ND	10.030	10.000	ug/L		100		75 - 125	
	MSD	1400811-80	ND	9.9100	10.000	ug/L	1.2	99.1		75 - 125	

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0747	Used client sample: N										
Toluene-d8 (Surrogate)	MS	1400811-80	ND	9.9300	10.000	ug/L		99.3		80 - 120	
	MSD	1400811-80	ND	9.8500	10.000	ug/L	0.8	98.5		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1400811-80	ND	10.960	10.000	ug/L		110		80 - 120	
	MSD	1400811-80	ND	9.8500	10.000	ug/L	10.7	98.5		80 - 120	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0841						
Acenaphthene	BXB0841-BLK1	ND	ug/L	2.0		
Acenaphthylene	BXB0841-BLK1	ND	ug/L	2.0		
Aldrin	BXB0841-BLK1	ND	ug/L	2.0		
Aniline	BXB0841-BLK1	ND	ug/L	5.0		
Anthracene	BXB0841-BLK1	ND	ug/L	2.0		
Benzidine	BXB0841-BLK1	ND	ug/L	20		
Benzo[a]anthracene	BXB0841-BLK1	ND	ug/L	2.0		
Benzo[b]fluoranthene	BXB0841-BLK1	ND	ug/L	2.0		
Benzo[k]fluoranthene	BXB0841-BLK1	ND	ug/L	2.0		
Benzo[a]pyrene	BXB0841-BLK1	ND	ug/L	2.0		
Benzo[g,h,i]perylene	BXB0841-BLK1	ND	ug/L	2.0		
Benzoic acid	BXB0841-BLK1	ND	ug/L	10		
Benzyl alcohol	BXB0841-BLK1	ND	ug/L	2.0		
Benzyl butyl phthalate	BXB0841-BLK1	ND	ug/L	2.0		
alpha-BHC	BXB0841-BLK1	ND	ug/L	2.0		
beta-BHC	BXB0841-BLK1	ND	ug/L	2.0		
delta-BHC	BXB0841-BLK1	ND	ug/L	2.0		
gamma-BHC (Lindane)	BXB0841-BLK1	ND	ug/L	2.0		
bis(2-Chloroethoxy)methane	BXB0841-BLK1	ND	ug/L	2.0		
bis(2-Chloroethyl) ether	BXB0841-BLK1	ND	ug/L	2.0		
bis(2-Chloroisopropyl)ether	BXB0841-BLK1	ND	ug/L	2.0		
bis(2-Ethylhexyl)phthalate	BXB0841-BLK1	ND	ug/L	5.0		
4-Bromophenyl phenyl ether	BXB0841-BLK1	ND	ug/L	2.0		
4-Chloroaniline	BXB0841-BLK1	ND	ug/L	2.0		
2-Chloronaphthalene	BXB0841-BLK1	ND	ug/L	2.0		
4-Chlorophenyl phenyl ether	BXB0841-BLK1	ND	ug/L	2.0		
Chrysene	BXB0841-BLK1	ND	ug/L	2.0		
4,4'-DDD	BXB0841-BLK1	ND	ug/L	2.0		
4,4'-DDE	BXB0841-BLK1	ND	ug/L	3.0		
4,4'-DDT	BXB0841-BLK1	ND	ug/L	2.0		
Dibenzo[a,h]anthracene	BXB0841-BLK1	ND	ug/L	3.0		
Dibenzofuran	BXB0841-BLK1	ND	ug/L	2.0		
1,2-Dichlorobenzene	BXB0841-BLK1	ND	ug/L	2.0		
1,3-Dichlorobenzene	BXB0841-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0841						
1,4-Dichlorobenzene	BXB0841-BLK1	ND	ug/L	2.0		
3,3-Dichlorobenzidine	BXB0841-BLK1	ND	ug/L	10		
Dieldrin	BXB0841-BLK1	ND	ug/L	3.0		
Diethyl phthalate	BXB0841-BLK1	ND	ug/L	2.0		
Dimethyl phthalate	BXB0841-BLK1	ND	ug/L	2.0		
Di-n-butyl phthalate	BXB0841-BLK1	ND	ug/L	2.0		
2,4-Dinitrotoluene	BXB0841-BLK1	ND	ug/L	2.0		
2,6-Dinitrotoluene	BXB0841-BLK1	ND	ug/L	2.0		
Di-n-octyl phthalate	BXB0841-BLK1	ND	ug/L	2.0		
1,2-Diphenylhydrazine	BXB0841-BLK1	ND	ug/L	2.0		
Endosulfan I	BXB0841-BLK1	ND	ug/L	10		
Endosulfan II	BXB0841-BLK1	ND	ug/L	10		
Endosulfan sulfate	BXB0841-BLK1	ND	ug/L	3.0		
Endrin	BXB0841-BLK1	ND	ug/L	2.0		
Endrin aldehyde	BXB0841-BLK1	ND	ug/L	10		
Fluoranthene	BXB0841-BLK1	ND	ug/L	2.0		
Fluorene	BXB0841-BLK1	ND	ug/L	2.0		
Heptachlor	BXB0841-BLK1	ND	ug/L	2.0		
Heptachlor epoxide	BXB0841-BLK1	ND	ug/L	2.0		
Hexachlorobenzene	BXB0841-BLK1	ND	ug/L	2.0		
Hexachlorobutadiene	BXB0841-BLK1	ND	ug/L	2.0		
Hexachlorocyclopentadiene	BXB0841-BLK1	ND	ug/L	2.0		
Hexachloroethane	BXB0841-BLK1	ND	ug/L	2.0		
Indeno[1,2,3-cd]pyrene	BXB0841-BLK1	ND	ug/L	2.0		
Isophorone	BXB0841-BLK1	ND	ug/L	2.0		
2-Methylnaphthalene	BXB0841-BLK1	ND	ug/L	2.0		
Naphthalene	BXB0841-BLK1	ND	ug/L	2.0		
2-Naphthylamine	BXB0841-BLK1	ND	ug/L	20		
2-Nitroaniline	BXB0841-BLK1	ND	ug/L	2.0		
3-Nitroaniline	BXB0841-BLK1	ND	ug/L	2.0		
4-Nitroaniline	BXB0841-BLK1	ND	ug/L	5.0		
Nitrobenzene	BXB0841-BLK1	ND	ug/L	2.0		
N-Nitrosodimethylamine	BXB0841-BLK1	ND	ug/L	2.0		
N-Nitrosodi-N-propylamine	BXB0841-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0841						
N-Nitrosodiphenylamine	BXB0841-BLK1	ND	ug/L	2.0		
Phenanthrene	BXB0841-BLK1	ND	ug/L	2.0		
Pyrene	BXB0841-BLK1	ND	ug/L	2.0		
1,2,4-Trichlorobenzene	BXB0841-BLK1	ND	ug/L	2.0		
4-Chloro-3-methylphenol	BXB0841-BLK1	ND	ug/L	5.0		
2-Chlorophenol	BXB0841-BLK1	ND	ug/L	2.0		
2,4-Dichlorophenol	BXB0841-BLK1	ND	ug/L	2.0		
2,4-Dimethylphenol	BXB0841-BLK1	ND	ug/L	2.0		
4,6-Dinitro-2-methylphenol	BXB0841-BLK1	ND	ug/L	10		
2,4-Dinitrophenol	BXB0841-BLK1	ND	ug/L	10		
2-Methylphenol	BXB0841-BLK1	ND	ug/L	2.0		
3- & 4-Methylphenol	BXB0841-BLK1	ND	ug/L	2.0		
2-Nitrophenol	BXB0841-BLK1	ND	ug/L	2.0		
4-Nitrophenol	BXB0841-BLK1	ND	ug/L	2.0		
Pentachlorophenol	BXB0841-BLK1	ND	ug/L	10		
Phenol	BXB0841-BLK1	ND	ug/L	2.0		
2,4,5-Trichlorophenol	BXB0841-BLK1	ND	ug/L	5.0		
2,4,6-Trichlorophenol	BXB0841-BLK1	ND	ug/L	5.0		
2-Fluorophenol (Surrogate)	**BXB0841-BLK1**	**68.0**	%	**30 - 120 (LCL - UCL)**		
Phenol-d5 (Surrogate)	**BXB0841-BLK1**	**47.2**	%	**12 - 110 (LCL - UCL)**		
Nitrobenzene-d5 (Surrogate)	**BXB0841-BLK1**	**109**	%	**60 - 130 (LCL - UCL)**		
2-Fluorobiphenyl (Surrogate)	**BXB0841-BLK1**	**102**	%	**55 - 125 (LCL - UCL)**		
2,4,6-Tribromophenol (Surrogate)	**BXB0841-BLK1**	**104**	%	**40 - 150 (LCL - UCL)**		
p-Terphenyl-d14 (Surrogate)	**BXB0841-BLK1**	**105**	%	**40 - 150 (LCL - UCL)**		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

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: BXB0841										
Acenaphthene	BXB0841-BS1	LCS	46.909	50.000	ug/L	93.8		50 - 120		
1,4-Dichlorobenzene	BXB0841-BS1	LCS	43.766	50.000	ug/L	87.5		50 - 120		
2,4-Dinitrotoluene	BXB0841-BS1	LCS	55.542	50.000	ug/L	111		50 - 120		
Hexachlorobenzene	BXB0841-BS1	LCS	47.103	50.000	ug/L	94.2		60 - 120		
Hexachlorobutadiene	BXB0841-BS1	LCS	35.929	50.000	ug/L	71.9		40 - 110		
Hexachloroethane	BXB0841-BS1	LCS	42.292	50.000	ug/L	84.6		40 - 120		
Nitrobenzene	BXB0841-BS1	LCS	44.135	50.000	ug/L	88.3		50 - 120		
N-Nitrosodi-N-propylamine	BXB0841-BS1	LCS	38.926	50.000	ug/L	77.9		50 - 120		
Pyrene	BXB0841-BS1	LCS	40.517	50.000	ug/L	81.0		40 - 140		
1,2,4-Trichlorobenzene	BXB0841-BS1	LCS	43.252	50.000	ug/L	86.5		45 - 120		
4-Chloro-3-methylphenol	BXB0841-BS1	LCS	48.956	50.000	ug/L	97.9		50 - 120		
2-Chlorophenol	BXB0841-BS1	LCS	41.749	50.000	ug/L	83.5		50 - 120		
2-Methylphenol	BXB0841-BS1	LCS	39.101	50.000	ug/L	78.2		40 - 110		
3- & 4-Methylphenol	BXB0841-BS1	LCS	76.106	100.00	ug/L	76.1		40 - 110		
4-Nitrophenol	BXB0841-BS1	LCS	29.963	50.000	ug/L	59.9		10 - 110		
Pentachlorophenol	BXB0841-BS1	LCS	56.658	50.000	ug/L	113		30 - 120		
Phenol	BXB0841-BS1	LCS	19.070	50.000	ug/L	38.1		20 - 110		
2,4,6-Trichlorophenol	BXB0841-BS1	LCS	53.583	50.000	ug/L	107		54 - 120		
2-Fluorophenol (Surrogate)	BXB0841-BS1	LCS	45.823	80.000	ug/L	57.3		30 - 120		
Phenol-d5 (Surrogate)	BXB0841-BS1	LCS	31.603	80.000	ug/L	39.5		12 - 110		
Nitrobenzene-d5 (Surrogate)	BXB0841-BS1	LCS	71.091	80.000	ug/L	88.9		60 - 130		
2-Fluorobiphenyl (Surrogate)	BXB0841-BS1	LCS	77.852	80.000	ug/L	97.3		55 - 125		
2,4,6-Tribromophenol (Surrogate)	BXB0841-BS1	LCS	77.260	80.000	ug/L	96.6		40 - 150		
p-Terphenyl-d14 (Surrogate)	BXB0841-BS1	LCS	31.418	40.000	ug/L	78.5		40 - 150		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

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: BXB0841	Used client sample: N										
Acenaphthene	MS	1402900-06	ND	50.964	50.000	ug/L		102		50 - 120	
	MSD	1402900-06	ND	52.800	50.000	ug/L	3.5	106	30	50 - 120	
1,4-Dichlorobenzene	MS	1402900-06	ND	46.279	50.000	ug/L		92.6		47 - 120	
	MSD	1402900-06	ND	49.190	50.000	ug/L	6.1	98.4	30	47 - 120	
2,4-Dinitrotoluene	MS	1402900-06	ND	57.764	50.000	ug/L		116		50 - 130	
	MSD	1402900-06	ND	58.210	50.000	ug/L	0.8	116	30	50 - 130	
Hexachlorobenzene	MS	1402900-06	ND	51.177	50.000	ug/L		102		62 - 120	
	MSD	1402900-06	ND	53.600	50.000	ug/L	4.6	107	30	62 - 120	
Hexachlorobutadiene	MS	1402900-06	ND	37.296	50.000	ug/L		74.6		40 - 110	
	MSD	1402900-06	ND	41.800	50.000	ug/L	11.4	83.6	30	40 - 110	
Hexachloroethane	MS	1402900-06	ND	44.213	50.000	ug/L		88.4		40 - 120	
	MSD	1402900-06	ND	46.800	50.000	ug/L	5.7	93.6	30	40 - 120	
Nitrobenzene	MS	1402900-06	ND	45.813	50.000	ug/L		91.6		50 - 120	
	MSD	1402900-06	ND	47.110	50.000	ug/L	2.8	94.2	30	50 - 120	
N-Nitrosodi-N-propylamine	MS	1402900-06	ND	41.409	50.000	ug/L		82.8		50 - 120	
	MSD	1402900-06	ND	40.960	50.000	ug/L	1.1	81.9	30	50 - 120	
Pyrene	MS	1402900-06	ND	46.240	50.000	ug/L		92.5		40 - 140	
	MSD	1402900-06	ND	53.410	50.000	ug/L	14.4	107	30	40 - 140	
1,2,4-Trichlorobenzene	MS	1402900-06	ND	44.552	50.000	ug/L		89.1		43 - 120	
	MSD	1402900-06	ND	48.910	50.000	ug/L	9.3	97.8	30	43 - 120	
4-Chloro-3-methylphenol	MS	1402900-06	ND	52.205	50.000	ug/L		104		50 - 120	
	MSD	1402900-06	ND	54.100	50.000	ug/L	3.6	108	30	50 - 120	
2-Chlorophenol	MS	1402900-06	ND	45.755	50.000	ug/L		91.5		50 - 120	
	MSD	1402900-06	ND	45.070	50.000	ug/L	1.5	90.1	30	50 - 120	
2-Methylphenol	MS	1402900-06	ND	49.373	50.000	ug/L		98.7		40 - 110	
	MSD	1402900-06	ND	46.700	50.000	ug/L	5.6	93.4	30	40 - 110	
3- & 4-Methylphenol	MS	1402900-06	ND	88.522	100.00	ug/L		88.5		40 - 110	
	MSD	1402900-06	ND	89.660	100.00	ug/L	1.3	89.7	30	40 - 110	
4-Nitrophenol	MS	1402900-06	ND	31.845	50.000	ug/L		63.7		10 - 110	
	MSD	1402900-06	ND	31.750	50.000	ug/L	0.3	63.5	30	10 - 110	
Pentachlorophenol	MS	**1402900-06**	**ND**	**55.717**	**50.000**	**ug/L**		**111**		**30 - 120**	
	MSD	**1402900-06**	**ND**	**61.500**	**50.000**	**ug/L**	**9.9**	**123**	**30**	**30 - 120**	**Q03**
Phenol	MS	1402900-06	ND	25.967	50.000	ug/L		51.9		20 - 110	
	MSD	1402900-06	ND	25.060	50.000	ug/L	3.6	50.1	30	20 - 110	
2,4,6-Trichlorophenol	MS	1402900-06	ND	52.574	50.000	ug/L		105		50 - 120	
	MSD	1402900-06	ND	54.460	50.000	ug/L	3.5	109	30	50 - 120	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

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: BXB0841	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1402900-06	ND	50.139	80.000	ug/L		62.7		30 - 120	
	MSD	1402900-06	ND	49.800	80.000	ug/L	0.7	62.2		30 - 120	
Phenol-d5 (Surrogate)	MS	1402900-06	ND	43.417	80.000	ug/L		54.3		12 - 110	
	MSD	1402900-06	ND	41.120	80.000	ug/L	5.4	51.4		12 - 110	
Nitrobenzene-d5 (Surrogate)	MS	1402900-06	ND	79.918	80.000	ug/L		99.9		60 - 130	
	MSD	1402900-06	ND	76.250	80.000	ug/L	4.7	95.3		60 - 130	
2-Fluorobiphenyl (Surrogate)	MS	1402900-06	ND	75.233	80.000	ug/L		94.0		55 - 125	
	MSD	1402900-06	ND	76.700	80.000	ug/L	1.9	95.9		55 - 125	
2,4,6-Tribromophenol (Surrogate)	MS	1402900-06	ND	83.643	80.000	ug/L		105		40 - 150	
	MSD	1402900-06	ND	89.780	80.000	ug/L	7.1	112		40 - 150	
p-Terphenyl-d14 (Surrogate)	MS	1402900-06	ND	35.657	40.000	ug/L		89.1		40 - 150	
	MSD	1402900-06	ND	39.250	40.000	ug/L	9.6	98.1		40 - 150	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0789						
Gasoline Range Organics (C6 - C12)	BXB0789-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BXB0789-BLK1**	**96.8**	%	**70 - 130 (LCL - UCL)**		
QC Batch ID: BXB1124						
Gasoline Range Organics (C6 - C12)	BXB1124-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	**BXB1124-BLK1**	**98.5**	%	**70 - 130 (LCL - UCL)**		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0789										
Gasoline Range Organics (C6 - C12)	BXB0789-BS1	LCS	883.51	1000.0	ug/L	88.4		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXB0789-BS1	LCS	38.554	40.000	ug/L	96.4		70 - 130		
QC Batch ID: BXB1124										
Gasoline Range Organics (C6 - C12)	BXB1124-BS1	LCS	934.11	1000.0	ug/L	93.4		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BXB1124-BS1	LCS	44.744	40.000	ug/L	112		70 - 130		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0789	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1402795-02	ND	875.15	1000.0	ug/L		87.5		70 - 130	
	MSD	1402795-02	ND	885.33	1000.0	ug/L	1.2	88.5	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1402795-02	ND	36.360	40.000	ug/L		90.9		70 - 130	
	MSD	1402795-02	ND	39.233	40.000	ug/L	7.6	98.1		70 - 130	
QC Batch ID: BXB1124	Used client sample: N										
Gasoline Range Organics (C6 - C12)	MS	1400811-89	ND	940.04	1000.0	ug/L		94.0		70 - 130	
	MSD	1400811-89	ND	918.32	1000.0	ug/L	2.3	91.8	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	MS	1400811-89	ND	45.532	40.000	ug/L		114		70 - 130	
	MSD	1400811-89	ND	43.638	40.000	ug/L	4.2	109		70 - 130	

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Gas Testing in Water

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0489						
Methane	BXB0489-BLK1	ND	mg/L	0.0010		
QC Batch ID: BXB0490						
Methane	BXB0490-BLK1	ND	mg/L	0.0010		
QC Batch ID: BXB0530						
Methane	BXB0530-BLK1	ND	mg/L	0.0010		
QC Batch ID: BXB1177						
Methane	BXB1177-BLK1	ND	mg/L	0.0010		

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Gas Testing in Water

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0489										
Methane	BXB0489-BS1	LCS	0.010260	0.010843	mg/L	94.6		80 - 120		
	BXB0489-BSD1	LCSD	0.010046	0.010843	mg/L	92.7	2.1	80 - 120	20	
QC Batch ID: BXB0490										
Methane	BXB0490-BS1	LCS	0.010907	0.010843	mg/L	101		80 - 120		
	BXB0490-BSD1	LCSD	0.010293	0.010843	mg/L	94.9	5.8	80 - 120	20	
QC Batch ID: BXB0530										
Methane	BXB0530-BS1	LCS	0.010366	0.010843	mg/L	95.6		80 - 120		
	BXB0530-BSD1	LCSD	0.011261	0.010843	mg/L	104	8.3	80 - 120	20	
QC Batch ID: BXB1177										
Methane	BXB1177-BS1	LCS	0.0087060	0.010843	mg/L	80.3		80 - 120		
	BXB1177-BSD1	LCSD	0.010442	0.010843	mg/L	96.3	18.1	80 - 120	20	

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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0383						
Non-Volatile Organic Carbon	BXB0383-BLK1	ND	mg/L	0.30		
QC Batch ID: BXB0384						
Non-Volatile Organic Carbon	BXB0384-BLK1	ND	mg/L	0.30		
QC Batch ID: BXB0385						
Non-Volatile Organic Carbon	BXB0385-BLK1	ND	mg/L	0.30		
QC Batch ID: BXB0468						
Nitrite as NO2	BXB0468-BLK1	ND	mg/L	0.17		
QC Batch ID: BXB0470						
Nitrite as NO2	BXB0470-BLK1	ND	mg/L	0.17		
QC Batch ID: BXB0471						
Nitrite as NO2	BXB0471-BLK1	ND	mg/L	0.17		
QC Batch ID: BXB0495						
Nitrate as NO3	BXB0495-BLK1	ND	mg/L	0.44		
Sulfate	BXB0495-BLK1	ND	mg/L	1.0		
QC Batch ID: BXB0496						
Nitrate as NO3	BXB0496-BLK1	ND	mg/L	0.44		
Sulfate	BXB0496-BLK1	ND	mg/L	1.0		
QC Batch ID: BXB0497						
Nitrate as NO3	BXB0497-BLK1	ND	mg/L	0.44		
Sulfate	BXB0497-BLK1	ND	mg/L	1.0		
QC Batch ID: BXB0565						
Total Alkalinity as CaCO3	BXB0565-BLK1	ND	mg/L	4.1		
QC Batch ID: BXB0566						
Total Alkalinity as CaCO3	BXB0566-BLK1	ND	mg/L	4.1		
QC Batch ID: BXB0567						
Total Alkalinity as CaCO3	BXB0567-BLK1	ND	mg/L	4.1		

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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0383										
Non-Volatile Organic Carbon	BXB0383-BS1	LCS	5.2960	5.0000	mg/L	106		85 - 115		
QC Batch ID: BXB0384										
Non-Volatile Organic Carbon	BXB0384-BS1	LCS	5.3080	5.0000	mg/L	106		85 - 115		
QC Batch ID: BXB0385										
Non-Volatile Organic Carbon	BXB0385-BS1	LCS	5.3370	5.0000	mg/L	107		85 - 115		
QC Batch ID: BXB0468										
Nitrite as NO2	BXB0468-BS1	LCS	1.6829	1.6425	mg/L	102		90 - 110		
QC Batch ID: BXB0470										
Nitrite as NO2	BXB0470-BS1	LCS	1.7049	1.6425	mg/L	104		90 - 110		
QC Batch ID: BXB0471										
Nitrite as NO2	BXB0471-BS1	LCS	1.6762	1.6425	mg/L	102		90 - 110		
QC Batch ID: BXB0495										
Nitrate as NO3	BXB0495-BS1	LCS	21.505	22.134	mg/L	97.2		90 - 110		
Sulfate	BXB0495-BS1	LCS	97.965	100.00	mg/L	98.0		90 - 110		
QC Batch ID: BXB0496										
Nitrate as NO3	BXB0496-BS1	LCS	21.235	22.134	mg/L	95.9		90 - 110		
Sulfate	BXB0496-BS1	LCS	98.379	100.00	mg/L	98.4		90 - 110		
QC Batch ID: BXB0497										
Nitrate as NO3	BXB0497-BS1	LCS	21.811	22.134	mg/L	98.5		90 - 110		
Sulfate	BXB0497-BS1	LCS	100.28	100.00	mg/L	100		90 - 110		
QC Batch ID: BXB0565										
Total Alkalinity as CaCO3	BXB0565-BS3	LCS	94.170	100.00	mg/L	94.2		90 - 110		
QC Batch ID: BXB0566										
Total Alkalinity as CaCO3	BXB0566-BS3	LCS	97.360	100.00	mg/L	97.4		90 - 110		
QC Batch ID: BXB0567										
Total Alkalinity as CaCO3	BXB0567-BS3	LCS	96.910	100.00	mg/L	96.9		90 - 110		

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0383	Used client sample: N										
Non-Volatile Organic Carbon	DUP	1402813-01	2.6880	2.6850		mg/L	0.1		10		
	MS	1402813-01	2.6880	7.8523	5.0251	mg/L		103		80 - 120	
	MSD	1402813-01	2.6880	7.9337	5.0251	mg/L	1.0	104	10	80 - 120	
QC Batch ID: BXB0384	Used client sample: Y - Description: MW-2-W-140206, 02/06/2014 07:50										
Non-Volatile Organic Carbon	DUP	1402897-03	0.70200	0.70900		mg/L	1.0		10		
	MS	1402897-03	0.70200	5.9628	5.0251	mg/L		105		80 - 120	
	MSD	1402897-03	0.70200	5.8191	5.0251	mg/L	2.4	102	10	80 - 120	
QC Batch ID: BXB0385	Used client sample: Y - Description: A-MW-5-W-140206, 02/06/2014 07:35										
Non-Volatile Organic Carbon	DUP	1402897-13	2.8390	2.9430		mg/L	3.6		10		
	MS	1402897-13	2.8390	8.0754	5.0251	mg/L		104		80 - 120	
	MSD	1402897-13	2.8390	8.1608	5.0251	mg/L	1.1	106	10	80 - 120	
QC Batch ID: BXB0468	Used client sample: N										
Nitrite as NO2	DUP	1402878-05	ND	ND		mg/L			10		
	MS	1402878-05	ND	1.7442	1.7289	mg/L		101		90 - 110	
	MSD	1402878-05	ND	1.7632	1.7289	mg/L	1.1	102	10	90 - 110	
QC Batch ID: BXB0470	Used client sample: Y - Description: A-MW-3-W-140206, 02/06/2014 10:20										
Nitrite as NO2	DUP	1402897-11	ND	ND		mg/L			10		
	MS	1402897-11	ND	1.7760	1.7289	mg/L		103		90 - 110	
	MSD	1402897-11	ND	1.7980	1.7289	mg/L	1.2	104	10	90 - 110	
QC Batch ID: BXB0471	Used client sample: Y - Description: S-MW-6-W-140206, 02/06/2014 12:16										
Nitrite as NO2	DUP	1402897-21	ND	ND		mg/L			10		
	MS	1402897-21	ND	1.6969	1.7289	mg/L		98.1		90 - 110	
	MSD	1402897-21	ND	1.7109	1.7289	mg/L	0.8	99.0	10	90 - 110	
QC Batch ID: BXB0495	Used client sample: Y - Description: MW-1-W-140206, 02/06/2014 11:15										
Nitrate as NO3	DUP	**1402897-02**	**1.6246**	**1.8593**		**mg/L**	**13.5**		**10**		**A02**
	MS	**1402897-02**	**1.6246**	**22.098**	**22.358**	**mg/L**		**91.6**		**80 - 120**	
	MSD	**1402897-02**	**1.6246**	**23.878**	**22.358**	**mg/L**	**7.7**	**99.5**	**10**	**80 - 120**	
Sulfate	DUP	1402897-02	7.8910	8.1220		mg/L	2.9		10		
	MS	1402897-02	7.8910	100.54	101.01	mg/L		91.7		80 - 120	
	MSD	1402897-02	7.8910	109.25	101.01	mg/L	8.3	100	10	80 - 120	
QC Batch ID: BXB0496	Used client sample: Y - Description: A-MW-4-W-140206, 02/06/2014 11:00										
Nitrate as NO3	DUP	1402897-12	ND	ND		mg/L			10		
	MS	1402897-12	ND	23.015	22.358	mg/L		103		80 - 120	
	MSD	1402897-12	ND	23.167	22.358	mg/L	0.7	104	10	80 - 120	
Sulfate	DUP	1402897-12	9.8440	9.9920		mg/L	1.5		10		
	MS	1402897-12	9.8440	118.15	101.01	mg/L		107		80 - 120	
	MSD	1402897-12	9.8440	118.44	101.01	mg/L	0.2	108	10	80 - 120	

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0497	Used client sample: N										
Nitrate as NO3	DUP	1402893-01	9.6770	9.4999		mg/L	1.8		10		
	MS	1402893-01	9.6770	32.418	22.358	mg/L		102		80 - 120	
	MSD	1402893-01	9.6770	32.266	22.358	mg/L	0.5	101	10	80 - 120	
Sulfate	DUP	1402893-01	5.8610	5.9420		mg/L	1.4		10		
	MS	1402893-01	5.8610	108.14	101.01	mg/L		101		80 - 120	
	MSD	1402893-01	5.8610	107.81	101.01	mg/L	0.3	101	10	80 - 120	
QC Batch ID: BXB0565	Used client sample: Y - Description: MW-1-W-140206, 02/06/2014 11:15										
Total Alkalinity as CaCO3	DUP	1402897-02	33.930	34.080		mg/L	0.4		10		
QC Batch ID: BXB0566	Used client sample: Y - Description: A-MW-4-W-140206, 02/06/2014 11:00										
Total Alkalinity as CaCO3	DUP	1402897-12	441.79	442.55		mg/L	0.2		10		
QC Batch ID: BXB0567	Used client sample: N										
Total Alkalinity as CaCO3	DUP	1402900-06	174.34	175.56		mg/L	0.7		10		

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Metals Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0629						
Dissolved Cadmium	BXB0629-BLK1	ND	ug/L	10		
Dissolved Chromium	BXB0629-BLK1	ND	ug/L	10		
Dissolved Iron	BXB0629-BLK1	ND	ug/L	50		
Dissolved Lead	BXB0629-BLK1	ND	ug/L	50		
Dissolved Nickel	BXB0629-BLK1	ND	ug/L	10		
Dissolved Zinc	BXB0629-BLK1	ND	ug/L	10		
QC Batch ID: BXB0630						
Dissolved Iron	BXB0630-BLK1	ND	ug/L	50		

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Metals Analysis

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BXB0629										
Dissolved Cadmium	BXB0629-BS1	LCS	198.02	200.00	ug/L	99.0		85 - 115		
Dissolved Chromium	BXB0629-BS1	LCS	199.90	200.00	ug/L	100		85 - 115		
Dissolved Iron	BXB0629-BS1	LCS	1049.0	1000.0	ug/L	105		85 - 115		
Dissolved Lead	BXB0629-BS1	LCS	409.24	400.00	ug/L	102		85 - 115		
Dissolved Nickel	BXB0629-BS1	LCS	416.98	400.00	ug/L	104		85 - 115		
Dissolved Zinc	BXB0629-BS1	LCS	526.14	500.00	ug/L	105		85 - 115		
QC Batch ID: BXB0630										
Dissolved Iron	BXB0630-BS1	LCS	1067.5	1000.0	ug/L	107		85 - 115		

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Metals Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BXB0629	Used client sample: Y - Description: MW-1-W-140206, 02/06/2014 11:15										
Dissolved Cadmium	DUP	1402897-02	ND	ND		ug/L			20		
	MS	1402897-02	ND	207.05	204.08	ug/L		101		75 - 125	
	MSD	1402897-02	ND	209.77	204.08	ug/L	1.3	103	20	75 - 125	
Dissolved Chromium	DUP	1402897-02	3.7347	ND		ug/L			20		
	MS	1402897-02	3.7347	202.90	204.08	ug/L		97.6		75 - 125	
	MSD	1402897-02	3.7347	204.49	204.08	ug/L	0.8	98.4	20	75 - 125	
Dissolved Iron	DUP	1402897-02	56.177	ND		ug/L			20		A02
	MS	1402897-02	56.177	1094.6	1020.4	ug/L		102		75 - 125	
	MSD	1402897-02	56.177	1082.0	1020.4	ug/L	1.2	101	20	75 - 125	
Dissolved Lead	DUP	1402897-02	ND	ND		ug/L			20		
	MS	1402897-02	ND	411.17	408.16	ug/L		101		75 - 125	
	MSD	1402897-02	ND	417.77	408.16	ug/L	1.6	102	20	75 - 125	
Dissolved Nickel	DUP	1402897-02	ND	ND		ug/L			20		
	MS	1402897-02	ND	418.24	408.16	ug/L		102		75 - 125	
	MSD	1402897-02	ND	426.63	408.16	ug/L	2.0	105	20	75 - 125	
Dissolved Zinc	DUP	1402897-02	13.512	12.489		ug/L	7.9		20		
	MS	1402897-02	13.512	548.73	510.20	ug/L		105		75 - 125	
	MSD	1402897-02	13.512	556.90	510.20	ug/L	1.5	107	20	75 - 125	
QC Batch ID: BXB0630	Used client sample: N										
Dissolved Iron	DUP	1402900-06	ND	ND		ug/L			20		
	MS	1402900-06	ND	2139.6	2040.8	ug/L		105		75 - 125	
	MSD	1402900-06	ND	2112.7	2040.8	ug/L	1.3	104	20	75 - 125	

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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.
A02	The difference between duplicate readings is less than the PQL.
A19	Surrogate is high due to matrix interference. Interferences verified through second extraction/analysis.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.