UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------	Wilcox Oil
Sample Collection Date(s)--	10/16/17 - 10/23/17
Contact----------	Katrina Coltrain(6SF-LP)
Report Date----------	03/05/18
Project #----------	18SF005
Work Order(s)----------	1710008 1710012 1710013 1710018 1710020 1710022

Analyses included in this report:

ABN 8270D SIM	ABN CLP Low Level
Alkalinity, Total SM18 2320B	Cyanide, Total 335.4
Hardness 130.2 (2)	LC IC-UV Hexavalent Chromium
LC IC-UV Hexavalent Chromium (Diss)	Metals ICP CLP
Metals ICP CLP (Dissolved)	Metals ICP/MS CLP
Metals ICP/MS CLP (Dissolved)	Metals Mercury CLP (Dissolved) (E)
Metals Mercury CLP (E)	Metals pH 9045D
P/P 8011 EDB	Total Dissolved Solids SM18 2540C
Total Organic Carbon	Total Suspended Solids
VOA CLP Low Level	

Report Narrative

Volatiles:

Blank Spike B7J1722-BS1 had four compounds that marginally exceeded the control limits. None of these compounds were detected in the corresponding samples.

Blank Spike B71722-BS3 had one compound that marginally exceeded the upper control limit. This compound was not detected in the corresponding samples.

Semi-Volatiles (SIM):

Sample 1710018-07 surrogate Terphenyl-d14 failed marginally high. There were no associated target compounds.

Report Narrative (cont'd)

B7J1903-BS1 blank spike had Fluoranthene out marginally high, but was not detected in any of the related samples. The surrogate 2-Chlorophenol-d4 was also out marginally high, but did not affect any data.

B7J1903-MS1/MSD1 matrix spike and duplicate had Benzo(g,h,i)perylene out marginally low, but was not detected in the source sample.

B7J2408-MS1/MSD1 matrix spike and duplicate had Anthracene out moderately low but was not detected in the source sample. Pentachlorophenol RPD was out marginally, but was not detected in the source sample. Additionally, the spike duplicate (MSD1) had Fluorene and Naphthalene out marginally low but was not detected in the source sample.

Semi-Volatiles (low level, full scan):

The matrix spike compound 2,4-Dinitrotoluene failed the RPD limit in B7J2408-MS1/MSD1. This compound was not detected in the source sample.

Metals ICP:

Samples were batched with work orders 1710024 and 1710025 from project 18SF015.

B7J2308-MS1/MSD1 (Source 1710008-06): Aluminum and Iron spike recoveries are outside the upper acceptance limits. Source sample results are qualified and are an estimate.

B7J2411-MS2/MSD2 (Source 1710008-07): Iron spike recoveries are outside the lower acceptance limits. Source results are qualified and are an estimate.

B7K0204-MS1/MSD1 (Source 1710024-26): Aluminum spike recovery is outside the upper acceptance limit. The source sample results are qualified and are an estimate.

B7K0204-MS2/MSD2 (Source 1710025-14): Cadmium spike recovery is outside the lower acceptance limit. The source sample results are qualified and are an estimate.

Metals ICP-MS:

B7J2309-BLK1/BLK2: Lead is present in the blanks (1.4ug/L, 0.5 ug/L). Sample results are undetected, therefore not affected.

TDS:

Samples: 1710008-02, 1710008-06, and 171008 -09: The precision (%RPD) for the LCS duplicate is 31.2% which is outside the 0-20% acceptance limits. Samples could not be re-analyzed due to exceeded hold time. Data is likely affected.

The following samples were not analyzed due to analytical error. No further corrective action could be taken since the sample holding time was exceeded.

1710008-02, -06, -09
1710012-04, -06, -11, -13, -15, -18
1710013-03, -05, -08, -10, -12, -14, -15, -18, -21
1710018-05, -06, -07, -09

Report Narrative (cont'd)

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

The reporting limit (sometimes referred to as a quantitation limit) is defined as the lowest concentration at which an analyte can be reliably measured and reported without qualification. Reporting limits are adjusted for sample size, dilution, and matrix interference. Concentrations below the reporting limit are reported as non-detects or <RL.

For a list of ISO 17025 accredited methods go to:
http://region6a.epa.gov/intranet/6md/lab/labisocertification2018.pdf

Report Approvals:

MARVELYN HUMPHREY
Digitally signed by MARVELYN HUMPHREY
DN: c=US, o=U.S. Government, ou=USEPA, ou=Staff, cn=MARVELYN HUMPHREY, dnQualifier=0000006010
Date: 2018.03.05 09:29:24 -06'00'

Richard McMillin
Region 6 Laboratory Technical Manager

DAVID MCQUIDDY
Digitally signed by DAVID MCQUIDDY
Date: 2018.03.05 10:55:09 -06'00'

David W. McQuiddy
Region 6 Laboratory Branch Chief

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Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Wilcox Oil

Project Number: 18SF005

Data Management Coordinator: Christy Warren

/ /

Data Management Coordinator Signature

Date

Date Transmitted: _____/_____/_____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____/_____/_____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____

Signature Date

Please provide a reason for holding:

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
C1-SD-0.5	1710008-01	Solid	10/16/17 14:40	10/17/17 09:15
C1-SW	1710008-02	Liquid	10/16/17 13:30	10/17/17 09:15
C1-SW-F	1710008-03	Liquid	10/16/17 13:30	10/17/17 09:15
FB-171016	1710008-04	Liquid	10/16/17 14:45	10/17/17 09:15
SCBR-SD-02-0.5	1710008-05	Solid	10/16/17 15:30	10/17/17 09:15
SCBR-SW-02	1710008-06	Liquid	10/16/17 15:30	10/17/17 09:15
SCBR-SW-02-F	1710008-07	Liquid	10/16/17 15:30	10/17/17 09:15
SC-SD-02-0.5	1710008-08	Solid	10/16/17 16:30	10/17/17 09:15
SC-SW-02	1710008-09	Liquid	10/16/17 16:30	10/17/17 09:15
SC-SW-02-F	1710008-10	Liquid	10/16/17 16:30	10/17/17 09:15
TB-171016	1710008-11	Liquid	10/16/17 8:00	10/17/17 09:15
FB-171017	1710012-01	Liquid	10/17/17 13:20	10/18/17 09:30
SCPPE-SD-01-0.5	1710012-02	Solid	10/17/17 10:45	10/18/17 09:30
SCPPE-SD-03-0.5	1710012-03	Solid	10/17/17 13:30	10/18/17 09:30
SCPPE-SW-01	1710012-04	Liquid	10/17/17 10:45	10/18/17 09:30
SCPPE-SW-01-F	1710012-05	Liquid	10/17/17 10:45	10/18/17 09:30
SCPPE-SW-03	1710012-06	Liquid	10/17/17 13:30	10/18/17 09:30
SCPPE-SW-03-F	1710012-07	Liquid	10/17/17 13:30	10/18/17 09:30
SC-SD-04-0.5	1710012-08	Solid	10/17/17 9:40	10/18/17 09:30
SC-SD-06-0.5	1710012-09	Solid	10/17/17 14:30	10/18/17 09:30
SC-SD-08-0.5	1710012-10	Solid	10/17/17 15:30	10/18/17 09:30
SC-SW-04	1710012-11	Liquid	10/17/17 9:30	10/18/17 09:30
SC-SW-04-F	1710012-12	Liquid	10/17/17 9:30	10/18/17 09:30
SC-SW-06	1710012-13	Liquid	10/17/17 14:30	10/18/17 09:30
SC-SW-06-F	1710012-14	Liquid	10/17/17 14:30	10/18/17 09:30
SC-SW-08	1710012-15	Liquid	10/17/17 15:30	10/18/17 09:30
SC-SW-08-F	1710012-16	Liquid	10/17/17 15:30	10/18/17 09:30
SCUC1c-SD-0.5	1710012-17	Solid	10/17/17 16:15	10/18/17 09:30
SCUC1c-SW	1710012-18	Liquid	10/17/17 16:15	10/18/17 09:30
SCUC1c-SW-F	1710012-19	Liquid	10/17/17 16:15	10/18/17 09:30
TB-171017	1710012-20	Liquid	10/17/17 8:00	10/18/17 09:30
ET-SD-05-0.5	1710013-01	Solid	10/18/17 11:30	10/19/17 07:04
ET-SD-07-0.5	1710013-02	Solid	10/18/17 10:45	10/19/17 07:04
ET-SW-05	1710013-03	Liquid	10/18/17 11:30	10/19/17 07:04
ET-SW-05-F	1710013-04	Liquid	10/18/17 11:30	10/19/17 07:04
ET-SW-07	1710013-05	Liquid	10/18/17 10:45	10/19/17 07:04

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
ET-SW-07-F	1710013-06	Liquid	10/18/17 10:45	10/19/17 07:04
FB-171018	1710013-07	Liquid	10/18/17 14:00	10/19/17 07:04
P6-SW-01	1710013-08	Liquid	10/18/17 17:00	10/19/17 07:04
P6-SW-01-F	1710013-09	Liquid	10/18/17 17:00	10/19/17 07:04
P6-SW-02	1710013-10	Liquid	10/18/17 16:30	10/19/17 07:04
P6-SW-02-F	1710013-11	Liquid	10/18/17 16:30	10/19/17 07:04
P6-SW-04	1710013-12	Liquid	10/18/17 16:00	10/19/17 07:04
P6-SW-04-F	1710013-13	Liquid	10/18/17 16:00	10/19/17 07:04
P6-SW-05	1710013-14	Liquid	10/18/17 15:30	10/19/17 07:04
P6-SW-05-D	1710013-15	Liquid	10/18/17 15:30	10/19/17 07:04
P6-SW-05-F	1710013-16	Liquid	10/18/17 15:30	10/19/17 07:04
P6-SW-05-F-D	1710013-17	Liquid	10/18/17 15:30	10/19/17 07:04
P6-SW-07	1710013-18	Liquid	10/18/17 14:00	10/19/17 07:04
P6-SW-07-F	1710013-19	Liquid	10/18/17 14:00	10/19/17 07:04
SCUC1a-SD-0.5	1710013-20	Solid	10/18/17 9:15	10/19/17 07:04
SCUC1a-SW	1710013-21	Liquid	10/18/17 9:15	10/19/17 07:04
SCUC1a-SW-F	1710013-22	Liquid	10/18/17 9:15	10/19/17 07:04
TB-171018	1710013-23	Liquid	10/18/17 8:00	10/19/17 07:04
ET-SD-01-0.5	1710018-01	Solid	10/19/17 17:15	10/20/17 09:10
ET-SD-02-0.5	1710018-02	Solid	10/19/17 16:15	10/20/17 09:10
ET-SD-03-0.5	1710018-03	Solid	10/19/17 15:15	10/20/17 09:10
ET-SD-04-0.5	1710018-04	Solid	10/19/17 13:45	10/20/17 09:10
ET-SW-01	1710018-05	Liquid	10/19/17 17:15	10/20/17 09:10
ET-SW-02	1710018-06	Liquid	10/19/17 16:15	10/20/17 09:10
ET-SW-03	1710018-07	Liquid	10/19/17 15:15	10/20/17 09:10
ET-SW-03-F	1710018-08	Liquid	10/19/17 15:15	10/20/17 09:10
ET-SW-04	1710018-09	Liquid	10/19/17 13:45	10/20/17 09:10
ET-SW-04-F	1710018-10	Liquid	10/19/17 13:45	10/20/17 09:10
FB-171019	1710018-11	Liquid	10/19/17 9:10	10/20/17 09:10
P6-SD-01-0.5	1710018-12	Solid	10/19/17 11:45	10/20/17 09:10
P6-SD-02-0.5	1710018-13	Solid	10/19/17 11:15	10/20/17 09:10
P6-SD-04-0.5	1710018-14	Solid	10/19/17 10:45	10/20/17 09:10
P6-SD-05-0.5	1710018-15	Solid	10/19/17 9:45	10/20/17 09:10
P6-SD-05-0.5-D	1710018-16	Solid	10/19/17 9:45	10/20/17 09:10
P6-SD-07-0.5	1710018-17	Solid	10/19/17 9:15	10/20/17 09:10
TB-171019-2	1710018-18	Liquid	10/19/17 8:10	10/20/17 09:10

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
ET-SW-01-F	1710018-19	Liquid	10/19/17 17:15	10/20/17 09:10
ET-SW-02-F	1710018-20	Liquid	10/19/17 16:15	10/20/17 09:10
ETUC-SW	1710020-01	Liquid	10/23/17 10:45	10/24/17 09:50
ETUC-SW-F	1710020-02	Liquid	10/23/17 10:45	10/24/17 09:50
P1-SW-01	1710020-03	Liquid	10/23/17 15:35	10/24/17 09:50
P1-SW-01-F	1710020-04	Liquid	10/23/17 15:35	10/24/17 09:50
P1-SW-04	1710020-09	Liquid	10/23/17 14:25	10/24/17 09:50
P1-SW-04-F	1710020-10	Liquid	10/23/17 14:25	10/24/17 09:50
WT-SW-01	1710020-11	Liquid	10/23/17 12:45	10/24/17 09:50
WT-SW-01-D	1710020-12	Liquid	10/23/17 12:45	10/24/17 09:50
WT-SW-01-F	1710020-13	Liquid	10/23/17 12:45	10/24/17 09:50
WT-SW-01-F-D	1710020-14	Liquid	10/23/17 12:45	10/24/17 09:50
WT-SW-03	1710020-15	Liquid	10/23/17 16:30	10/24/17 09:50
WT-SW-03-F	1710020-16	Liquid	10/23/17 16:30	10/24/17 09:50
P1-SW-02	1710022-01	Liquid	10/23/17 14:30	10/24/17 15:50
P1-SW-02-D	1710022-02	Liquid	10/23/17 14:30	10/24/17 15:50
P1-SW-02-F	1710022-03	Liquid	10/23/17 14:30	10/24/17 15:50
P1-SW-02-F-D	1710022-04	Liquid	10/23/17 14:30	10/24/17 15:50

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QC SUMMARY REPORT

ABN 8270D SIM

B7J1903

Liquid

Samples: 9 **ReExts: 0**

LAB NUMBER	SOURCE
B7J1903-BLK1	
B7J1903-BS1	
B7J1903-MS1	1710008-06
B7J1903-MSD1	1710008-06

B7J1906

Liquid

Samples: 9 **ReExts: 0**

LAB NUMBER	SOURCE
B7J1906-BLK1	
B7J1906-BS1	

B7J2408

Liquid

Samples: 4 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2408-BLK1	
B7J2408-BS1	
B7J2408-MS1	1710018-09
B7J2408-MSD1	1710018-09

B7J2515

Liquid

Samples: 3 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2515-BLK1	
B7J2515-BS1	

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ABN CLP Low Level

B7J1903

Liquid

Samples: 9 **ReExts: 0**

LAB NUMBER	SOURCE
B7J1903-BLK1	
B7J1903-BS1	
B7J1903-MS1	1710008-06
B7J1903-MSD1	1710008-06

B7J1906

Liquid

Samples: 9 **ReExts: 0**

LAB NUMBER	SOURCE
B7J1906-BLK1	
B7J1906-BS1	

B7J2408

Liquid

Samples: 4 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2408-BLK1	
B7J2408-BS1	
B7J2408-MS1	1710018-09
B7J2408-MSD1	1710018-09

B7J2515

Liquid

Samples: 3 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2515-BLK1	
B7J2515-BS1	

Alkalinity, Total SM18 2320B

B7K1406

Liquid

Samples: 30 **ReExts: 0**

LAB NUMBER	SOURCE
B7K1406-BLK1	
B7K1406-BLK2	
B7K1406-BLK3	
B7K1406-MS1	1710012-06
B7K1406-MS2	1710013-21
B7K1406-MS3	1710020-03
B7K1406-MSD1	1710012-06
B7K1406-MSD2	1710013-21
B7K1406-MSD3	1710020-03

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Cyanide, Total 335.4

B7J2521

Liquid

Samples: 30 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2521-BLK1	
B7J2521-BLK2	
B7J2521-BS1	
B7J2521-BS2	
B7J2521-BS3	
B7J2521-BS4	
B7J2521-MS1	1710008-06
B7J2521-MS2	1710013-18
B7J2521-MS3	1710018-09
B7J2521-MSD1	1710008-06
B7J2521-MSD2	1710013-18
B7J2521-MSD3	1710018-09

Hardness 130.2 (2)

B7K1509

Liquid

Samples: 30 **ReExts: 0**

LAB NUMBER	SOURCE
B7K1509-BLK1	
B7K1509-BLK2	
B7K1509-BLK3	
B7K1509-MS1	1710012-13
B7K1509-MS2	1710013-21
B7K1509-MS3	1710020-03
B7K1509-MSD1	1710012-13
B7K1509-MSD2	1710013-21
B7K1509-MSD3	1710020-03

LC IC-UV Hexavalent Chromium

B7K0302

Liquid

Samples: 7 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0302-BLK1	
B7K0302-BS1	
B7K0302-MS1	1710008-02
B7K0302-MSD1	1710008-02

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LC IC-UV Hexavalent Chromium (Diss)

B7K0303

Liquid

Samples: 7 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0303-BLK1	
B7K0303-BS1	
B7K0303-MS1	1710008-03
B7K0303-MSD1	1710008-03

Metals ICP CLP

B7J2308

Liquid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2308-BLK1	
B7J2308-BLK2	
B7J2308-BS1	
B7J2308-BS2	
B7J2308-MS1	1710008-06
B7J2308-MS2	1710013-18
B7J2308-MS3	1710018-09
B7J2308-MSD1	1710008-06
B7J2308-MSD2	1710013-18
B7J2308-MSD3	1710018-09

B7K0204

Liquid

Samples: 8 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0204-BLK1	
B7K0204-BS1	
B7K0204-MS1	1710024-26
B7K0204-MS2	1710025-14
B7K0204-MSD1	1710024-26
B7K0204-MSD2	1710025-14

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Metals ICP CLP (Dissolved)

B7J2411

Liquid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2411-BLK1	
B7J2411-BLK2	
B7J2411-BS1	
B7J2411-BS2	
B7J2411-MS1	1710008-03
B7J2411-MS2	1710008-07
B7J2411-MS3	1710013-19
B7J2411-MSD1	1710008-03
B7J2411-MSD2	1710008-07
B7J2411-MSD3	1710013-19

B7K0206

Liquid

Samples: 8 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0206-BLK1	
B7K0206-BS1	
B7K0206-MS1	1710024-27
B7K0206-MS2	1710025-15
B7K0206-MSD1	1710024-27
B7K0206-MSD2	1710025-15

Metals ICP/MS CLP

B7J2309

Liquid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2309-BLK1	
B7J2309-BLK2	
B7J2309-BS1	
B7J2309-BS2	
B7J2309-MS1	1710008-06
B7J2309-MS2	1710013-18
B7J2309-MS3	1710018-09
B7J2309-MSD1	1710008-06
B7J2309-MSD2	1710013-18
B7J2309-MSD3	1710018-09

B7K0205

Liquid

Samples: 8 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0205-BLK1	
B7K0205-BS1	
B7K0205-MS1	1710024-26
B7K0205-MS2	1710025-14
B7K0205-MSD1	1710024-26
B7K0205-MSD2	1710025-14

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Metals ICP/MS CLP (Dissolved)

B7J2412

Liquid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2412-BLK1	
B7J2412-BLK2	
B7J2412-BS1	
B7J2412-BS2	
B7J2412-MS1	1710008-03
B7J2412-MS2	1710008-07
B7J2412-MS3	1710013-19
B7J2412-MSD1	1710008-03
B7J2412-MSD2	1710008-07
B7J2412-MSD3	1710013-19

B7K0207

Liquid

Samples: 8 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0207-BLK1	
B7K0207-BS1	
B7K0207-MS1	1710024-27
B7K0207-MS2	1710025-15
B7K0207-MSD1	1710024-27
B7K0207-MSD2	1710025-15

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Metals Mercury CLP (Dissolved) (E)

B7K0111

Liquid

Samples: 22 ReExts: 0

LAB NUMBER	SOURCE
B7K0111-BLK1	
B7K0111-BLK2	
B7K0111-BLK3	
B7K0111-BLK4	
B7K0111-BLK5	
B7K0111-BS1	
B7K0111-BS2	
B7K0111-CCV1	
B7K0111-CCV2	
B7K0111-CCV3	
B7K0111-MS1	1710008-03
B7K0111-MS2	1710008-07
B7K0111-MS3	1710013-19
B7K0111-MSD1	1710008-03
B7K0111-MSD2	1710008-07
B7K0111-MSD3	1710013-19

B7K1305

Liquid

Samples: 8 ReExts: 0

LAB NUMBER	SOURCE
B7K1305-BLK1	
B7K1305-BLK2	
B7K1305-BLK3	
B7K1305-BLK4	
B7K1305-BLK5	
B7K1305-BS1	
B7K1305-CCV1	
B7K1305-CCV2	
B7K1305-CCV3	
B7K1305-CCV4	
B7K1305-MS1	1710024-27
B7K1305-MS2	1710025-15
B7K1305-MSD1	1710024-27
B7K1305-MSD2	1710025-15

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Metals Mercury CLP (E)

B7J3012

Liquid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7J3012-BLK1	
B7J3012-BLK2	
B7J3012-BLK3	
B7J3012-BLK4	
B7J3012-BLK5	
B7J3012-BS1	
B7J3012-BS2	
B7J3012-CCV1	
B7J3012-CCV2	
B7J3012-CCV3	
B7J3012-MS1	1710008-06
B7J3012-MS2	1710013-18
B7J3012-MS3	1710018-09
B7J3012-MSD1	1710008-06
B7J3012-MSD2	1710013-18
B7J3012-MSD3	1710018-09

B7K0807

Liquid

Samples: 8 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0807-BLK1	
B7K0807-BLK2	
B7K0807-BLK3	
B7K0807-BLK4	
B7K0807-BLK5	
B7K0807-BS1	
B7K0807-CCV1	
B7K0807-CCV2	
B7K0807-CCV3	
B7K0807-CCV4	
B7K0807-MS1	1710024-26
B7K0807-MS2	1710025-14
B7K0807-MSD1	1710024-26
B7K0807-MSD2	1710025-14

Metals pH 9045D

B7K0603

Solid

Samples: 22 **ReExts: 0**

LAB NUMBER	SOURCE
B7K0603-DUP1	1710008-01
B7K0603-DUP2	1710013-02
B7K0603-DUP3	1710018-16

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P/P 8011 EDB

B7J2001

Liquid

Samples: 21 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2001-BLK1	
B7J2001-BLK2	
B7J2001-BS1	
B7J2001-BS2	
B7J2001-BS3	
B7J2001-BS4	
B7J2001-BS5	
B7J2001-BS6	
B7J2001-BS7	
B7J2001-BS8	
B7J2001-BS9	
B7J2001-BSA	
B7J2001-BSD1	
B7J2001-BSD2	
B7J2001-MS1	1710008-06
B7J2001-MS2	1710013-18
B7J2001-MSD1	1710008-06
B7J2001-MSD2	1710013-18

B7J2307

Liquid

Samples: 5 **ReExts: 0**

LAB NUMBER	SOURCE
B7J2307-BLK1	
B7J2307-BS1	
B7J2307-BS2	
B7J2307-BS3	
B7J2307-BS4	
B7J2307-BSD1	

VOA CLP Low Level

B7J1722

Liquid

Samples: 30 **ReExts: 0**

LAB NUMBER	SOURCE
B7J1722-BLK1	
B7J1722-BLK2	
B7J1722-BLK3	
B7J1722-BS1	
B7J1722-BS2	
B7J1722-BS3	
B7J1722-MS1	1710008-06
B7J1722-MS2	1710013-18
B7J1722-MSD1	1710008-06
B7J1722-MSD2	1710013-18

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pH by EPA Method 9045D

Lab ID: 1710008-01 **Station ID: C1-SD-0.5**

Batch: B7K0603 Date Collected: 10/16/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**6.6**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.3		103	86-117	10/18/17	10/18/17
Toluene-d8	9.94		99.4	85-113	"	"
4-Bromofluorobenzene	9.74		97.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1017ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.10		69.2	42-109	10/19/17	11/08/17
Phenol-d5	4.95		67.1	46-110	"	"
2-Chlorophenol-d4	5.17		70.1	47-103	"	"
1,2-Dichlorobenzene-d4	2.90		59.0	33-100	"	"
Nitrobenzene-d5	3.66		74.4	42-126	"	"
2-Fluorobiphenyl	3.16		64.2	50-104	"	"
2,4,6-Tribromophenol	6.56		88.9	59-142	"	"
Terphenyl-d14	4.75		96.6	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/19/17	11/08/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1017ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.8	"	"	"
4-Nitrophenol (100-02-7)	U		5.9	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.8	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1017ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1017ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.81		65.2	42-109	10/19/17	10/19/17
Phenol-d5	4.94		66.9	46-110	"	"
2-Chlorophenol-d4	5.29		71.7	47-103	"	"
1,2-Dichlorobenzene-d4	2.89		58.8	33-100	"	"
Nitrobenzene-d5	3.80		77.2	42-126	"	"
2-Fluorobiphenyl	3.05		62.0	50-104	"	"
2,4,6-Tribromophenol	6.30		85.5	59-142	"	"
Terphenyl-d14	4.23		86.0	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J2001 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 35.786ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J2308 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**437**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**64.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**24,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,360**		25.0	"	"	"
Magnesium (7439-95-4)	**8,330**		150	"	"	"
Manganese (7439-96-5)	**107**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,080**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**25,800**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J2309 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J2521 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7J3012 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7K0302 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Wet Chemistry

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7K1406 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**76.4**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710008-02 **Station ID: C1-SW**

Batch: B7K1509 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**100**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710008-03 **Station ID: C1-SW-F**

Batch: B7J2411 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**100**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**63.9**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**27,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**486**		25.0	"	"	"
Magnesium (7439-95-4)	**9,120**		150	"	"	"
Manganese (7439-96-5)	**117**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,150**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**28,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-03 **Station ID: C1-SW-F**

Batch: B7J2412 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-03 **Station ID: C1-SW-F**

Batch: B7K0111 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710008-03 **Station ID: C1-SW-F**

Batch: B7K0303 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-04 **Station ID: FB-171016**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.1		101	86-117	10/18/17	10/18/17
Toluene-d8	9.72		97.2	85-113	"	"
4-Bromofluorobenzene	9.95		99.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-04 **Station ID: FB-171016**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

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pH by EPA Method 9045D

Lab ID: 1710008-05 **Station ID: SCBR-SD-02-0.5**

Batch: B7K0603 Date Collected: 10/16/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.0**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.65		96.5	86-117	10/18/17	10/18/17
Toluene-d8	9.60		96.0	85-113	"	"
4-Bromofluorobenzene	9.78		97.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1023ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.43		74.1	42-109	10/19/17	11/07/17
Phenol-d5	5.31		72.4	46-110	"	"
2-Chlorophenol-d4	5.58		76.1	47-103	"	"
1,2-Dichlorobenzene-d4	3.27		67.0	33-100	"	"
Nitrobenzene-d5	3.56		72.8	42-126	"	"
2-Fluorobiphenyl	3.43		70.2	50-104	"	"
2,4,6-Tribromophenol	7.33		100	59-142	"	"
Terphenyl-d14	4.21		86.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/19/17	11/07/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1023ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/19/17	11/07/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.8	"	"	"
4-Nitrophenol (100-02-7)	U		5.9	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.8	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1023ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/19/17	11/07/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1023ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.99		68.0	42-109	10/19/17	10/19/17
Phenol-d5	5.19		70.8	46-110	"	"
2-Chlorophenol-d4	5.43		74.1	47-103	"	"
1,2-Dichlorobenzene-d4	3.18		65.0	33-100	"	"
Nitrobenzene-d5	3.82		78.2	42-126	"	"
2-Fluorobiphenyl	3.28		67.2	50-104	"	"
2,4,6-Tribromophenol	6.80		92.8	59-142	"	"
Terphenyl-d14	3.95		80.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J2001 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 36.197ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - ICP

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J2308 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**417**	**J**	100	1	10/23/17	11/29/17
Barium (7440-39-3)	**63.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**23,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,410**	**J**	25.0	"	"	"
Magnesium (7439-95-4)	**8,100**		150	"	"	"
Manganese (7439-96-5)	**169**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,450**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**21,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J2309 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J2521 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7J3012 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7K1406 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**83.2**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710008-06 **Station ID: SCBR-SW-02**

Batch: B7K1509 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**84.8**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710008-07 **Station ID: SCBR-SW-02-F**

Batch: B7J2411 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**59.3**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**23,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**544**	**J**	25.0	"	"	"
Magnesium (7439-95-4)	**7,920**		150	"	"	"
Manganese (7439-96-5)	**163**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,050**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**21,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-07 **Station ID: SCBR-SW-02-F**

Batch: B7J2412 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-07 **Station ID: SCBR-SW-02-F**

Batch: B7K0111 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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pH by EPA Method 9045D

Lab ID: 1710008-08 **Station ID: SC-SD-02-0.5**

Batch: B7K0603 Date Collected: 10/16/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.1**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.93		99.3	86-117	10/18/17	10/18/17
Toluene-d8	9.62		96.2	85-113	"	"
4-Bromofluorobenzene	9.71		97.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1036ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.08		70.1	42-109	10/19/17	11/08/17
Phenol-d5	4.95		68.4	46-110	"	"
2-Chlorophenol-d4	5.25		72.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.12		64.6	33-100	"	"
Nitrobenzene-d5	3.71		76.8	42-126	"	"
2-Fluorobiphenyl	3.28		68.0	50-104	"	"
2,4,6-Tribromophenol	6.67		92.1	59-142	"	"
Terphenyl-d14	4.69		97.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1036ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1036ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J1903 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 1036ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.85		66.9	42-109	10/19/17	10/19/17
Phenol-d5	4.96		68.5	46-110	"	"
2-Chlorophenol-d4	5.30		73.2	47-103	"	"
1,2-Dichlorobenzene-d4	3.05		63.2	33-100	"	"
Nitrobenzene-d5	3.84		79.6	42-126	"	"
2-Fluorobiphenyl	3.15		65.2	50-104	"	"
2,4,6-Tribromophenol	6.59		91.1	59-142	"	"
Terphenyl-d14	4.01		83.0	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J2001 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 36.039ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J2308 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**476**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**58.3**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**21,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,370**		25.0	"	"	"
Magnesium (7439-95-4)	**7,560**		150	"	"	"
Manganese (7439-96-5)	**71.9**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,470**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**17,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J2309 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J2521 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7J3012 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Region 6 Laboratory

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7K0302 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

Environmental Protection Agency

Region 6 Laboratory

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Wet Chemistry

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7K1406 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**75.6**		10.0	1	10/25/17	10/25/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710008-09 **Station ID: SC-SW-02**

Batch: B7K1509 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**79.6**		10.0	1	11/02/17	11/02/17

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710008-10 **Station ID: SC-SW-02-F**

Batch: B7J2411 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**138**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**52.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**21,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**563**		25.0	"	"	"
Magnesium (7439-95-4)	**7,370**		150	"	"	"
Manganese (7439-96-5)	**55.5**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,310**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**17,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710008-10 **Station ID: SC-SW-02-F**

Batch: B7J2412 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710008-10 **Station ID: SC-SW-02-F**

Batch: B7K0111 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Region 6 Laboratory

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710008-10 **Station ID: SC-SW-02-F**

Batch: B7K0303 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-11 **Station ID: TB-171016**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.0		100	86-117	10/18/17	10/18/17
Toluene-d8	9.62		96.2	85-113	"	"
4-Bromofluorobenzene	9.74		97.4	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710008-11 **Station ID: TB-171016**

Batch: B7J1722 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710008-11 **Station ID: TB-171016**

Batch: B7J2001 Date Collected: 10/16/17
Sample Type: Liquid Sample Vol: 35.777ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-01 **Station ID: FB-171017**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.95		99.5	86-117	10/18/17	10/18/17
Toluene-d8	9.58		95.8	85-113	"	"
4-Bromofluorobenzene	9.63		96.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-01 **Station ID: FB-171017**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710012-02 **Station ID: SCPPE-SD-01-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.9**			1	11/07/17	11/07/17

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710012-03 **Station ID: SCPPE-SD-03-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.6**			1	11/07/17	11/07/17

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.0		100	86-117	10/18/17	10/18/17
Toluene-d8	9.75		97.5	85-113	"	"
4-Bromofluorobenzene	9.51		95.1	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.00		69.1	42-109	10/19/17	11/08/17
Phenol-d5	4.81		66.5	46-110	"	"
2-Chlorophenol-d4	5.08		70.3	47-103	"	"
1,2-Dichlorobenzene-d4	2.90		60.2	33-100	"	"
Nitrobenzene-d5	3.65		75.6	42-126	"	"
2-Fluorobiphenyl	3.21		66.6	50-104	"	"
2,4,6-Tribromophenol	6.51		90.0	59-142	"	"
Terphenyl-d14	4.79		99.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

Environmental Protection Agency

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.75		65.7	42-109	10/19/17	10/19/17
Phenol-d5	4.83		66.8	46-110	"	"
2-Chlorophenol-d4	5.20		71.9	47-103	"	"
1,2-Dichlorobenzene-d4	2.89		60.0	33-100	"	"
Nitrobenzene-d5	3.72		77.2	42-126	"	"
2-Fluorobiphenyl	3.09		64.0	50-104	"	"
2,4,6-Tribromophenol	6.36		88.0	59-142	"	"
Terphenyl-d14	4.43		91.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 36.566ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**680**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**53.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,730**		25.0	"	"	"
Magnesium (7439-95-4)	**6,330**		150	"	"	"
Manganese (7439-96-5)	**85.3**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,190**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7K0302 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Wet Chemistry

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**68.8**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710012-04 **Station ID: SCPPE-SW-01**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**70.0**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-05 **Station ID: SCPPE-SW-01-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**183**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**48.4**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**701**		25.0	"	"	"
Magnesium (7439-95-4)	**6,420**		150	"	"	"
Manganese (7439-96-5)	**63.5**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,210**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-05 **Station ID: SCPPE-SW-01-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-05 **Station ID: SCPPE-SW-01-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710012-05 **Station ID: SCPPE-SW-01-F**

Batch: B7K0303 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.0		100	86-117	10/18/17	10/18/17
Toluene-d8	9.64		96.4	85-113	"	"
4-Bromofluorobenzene	9.63		96.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.96		68.7	42-109	10/19/17	11/08/17
Phenol-d5	4.87		67.5	46-110	"	"
2-Chlorophenol-d4	5.07		70.1	47-103	"	"
1,2-Dichlorobenzene-d4	2.97		61.6	33-100	"	"
Nitrobenzene-d5	3.55		73.8	42-126	"	"
2-Fluorobiphenyl	3.25		67.4	50-104	"	"
2,4,6-Tribromophenol	6.88		95.2	59-142	"	"
Terphenyl-d14	4.74		98.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.68		64.8	42-109	10/19/17	10/19/17
Phenol-d5	4.93		68.3	46-110	"	"
2-Chlorophenol-d4	5.17		71.6	47-103	"	"
1,2-Dichlorobenzene-d4	2.96		61.4	33-100	"	"
Nitrobenzene-d5	3.73		77.4	42-126	"	"
2-Fluorobiphenyl	3.15		65.4	50-104	"	"
2,4,6-Tribromophenol	6.63		91.7	59-142	"	"
Terphenyl-d14	3.95		82.0	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 35.972ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**631**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**52.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,790**		25.0	"	"	"
Magnesium (7439-95-4)	**6,370**		150	"	"	"
Manganese (7439-96-5)	**72.8**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,250**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**58.2**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710012-06 **Station ID: SCPPE-SW-03**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**68.8**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-07 **Station ID: SCPPE-SW-03-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**138**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**16,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**718**		25.0	"	"	"
Magnesium (7439-95-4)	**6,080**		150	"	"	"
Manganese (7439-96-5)	**52.2**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,040**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,700**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-07 **Station ID: SCPPE-SW-03-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-07 **Station ID: SCPPE-SW-03-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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pH by EPA Method 9045D

Lab ID: 1710012-08 **Station ID: SC-SD-04-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.6**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710012-09 **Station ID: SC-SD-06-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.5**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710012-10 **Station ID: SC-SD-08-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.5**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.1		101	86-117	10/18/17	10/18/17
Toluene-d8	9.79		97.9	85-113	"	"
4-Bromofluorobenzene	9.75		97.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1029ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.91		67.3	42-109	10/19/17	11/08/17
Phenol-d5	4.66		63.9	46-110	"	"
2-Chlorophenol-d4	4.99		68.4	47-103	"	"
1,2-Dichlorobenzene-d4	2.90		59.6	33-100	"	"
Nitrobenzene-d5	3.45		71.0	42-126	"	"
2-Fluorobiphenyl	3.09		63.6	50-104	"	"
2,4,6-Tribromophenol	6.41		88.0	59-142	"	"
Terphenyl-d14	4.95		102	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1029ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1029ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1029ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.51		61.9	42-109	10/19/17	10/19/17
Phenol-d5	4.61		63.2	46-110	"	"
2-Chlorophenol-d4	4.95		67.9	47-103	"	"
1,2-Dichlorobenzene-d4	2.85		58.6	33-100	"	"
Nitrobenzene-d5	3.60		74.0	42-126	"	"
2-Fluorobiphenyl	2.95		60.8	50-104	"	"
2,4,6-Tribromophenol	6.26		85.9	59-142	"	"
Terphenyl-d14	4.34		89.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 35.888ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**685**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**53.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,810**		25.0	"	"	"
Magnesium (7439-95-4)	**6,600**		150	"	"	"
Manganese (7439-96-5)	**80.9**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,300**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**12,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**68.4**		10.0	1	10/25/17	10/25/17

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Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2

Lab ID: 1710012-11 **Station ID: SC-SW-04**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**68.0**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-12 **Station ID: SC-SW-04-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**128**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**48.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**644**		25.0	"	"	"
Magnesium (7439-95-4)	**6,660**		150	"	"	"
Manganese (7439-96-5)	**61.1**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,300**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**12,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-12 **Station ID: SC-SW-04-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-12 **Station ID: SC-SW-04-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.7		107	86-117	10/18/17	10/18/17
Toluene-d8	9.42		94.2	85-113	"	"
4-Bromofluorobenzene	9.42		94.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1031ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.79		65.9	42-109	10/19/17	11/08/17
Phenol-d5	4.92		67.6	46-110	"	"
2-Chlorophenol-d4	4.98		68.4	47-103	"	"
1,2-Dichlorobenzene-d4	2.80		57.8	33-100	"	"
Nitrobenzene-d5	3.51		72.4	42-126	"	"
2-Fluorobiphenyl	3.31		68.2	50-104	"	"
2,4,6-Tribromophenol	6.73		92.5	59-142	"	"
Terphenyl-d14	4.50		92.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1031ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1031ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1031ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.57		62.8	42-109	10/19/17	10/19/17
Phenol-d5	4.88		67.1	46-110	"	"
2-Chlorophenol-d4	5.09		70.0	47-103	"	"
1,2-Dichlorobenzene-d4	2.78		57.4	33-100	"	"
Nitrobenzene-d5	3.72		76.8	42-126	"	"
2-Fluorobiphenyl	3.11		64.2	50-104	"	"
2,4,6-Tribromophenol	6.44		88.5	59-142	"	"
Terphenyl-d14	3.65		75.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 36.273ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**745**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**51.5**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,100**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,900**		25.0	"	"	"
Magnesium (7439-95-4)	**6,140**		150	"	"	"
Manganese (7439-96-5)	**76.2**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,270**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**59.6**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710012-13 **Station ID: SC-SW-06**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**61.2**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-14 **Station ID: SC-SW-06-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**206**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**16,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**805**		25.0	"	"	"
Magnesium (7439-95-4)	**5,930**		150	"	"	"
Manganese (7439-96-5)	**52.0**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,080**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-14 **Station ID: SC-SW-06-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-14 **Station ID: SC-SW-06-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.2		102	86-117	10/18/17	10/18/17
Toluene-d8	9.63		96.3	85-113	"	"
4-Bromofluorobenzene	9.57		95.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1049ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.03		70.4	42-109	10/19/17	11/08/17
Phenol-d5	5.03		70.4	46-110	"	"
2-Chlorophenol-d4	5.18		72.4	47-103	"	"
1,2-Dichlorobenzene-d4	2.81		59.0	33-100	"	"
Nitrobenzene-d5	3.74		78.4	42-126	"	"
2-Fluorobiphenyl	3.27		68.6	50-104	"	"
2,4,6-Tribromophenol	6.84		95.7	59-142	"	"
Terphenyl-d14	4.80		101	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1049ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.8	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.8	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.5	"	"	"
4-Nitrophenol (100-02-7)	U		5.7	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.8	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.5	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1049ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1049ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.73		66.1	42-109	10/19/17	10/19/17
Phenol-d5	5.04		70.5	46-110	"	"
2-Chlorophenol-d4	5.22		73.1	47-103	"	"
1,2-Dichlorobenzene-d4	2.76		58.0	33-100	"	"
Nitrobenzene-d5	3.83		80.4	42-126	"	"
2-Fluorobiphenyl	3.13		65.6	50-104	"	"
2,4,6-Tribromophenol	6.55		91.6	59-142	"	"
Terphenyl-d14	3.78		79.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 36.15ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**729**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**52.4**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,910**		25.0	"	"	"
Magnesium (7439-95-4)	**6,290**		150	"	"	"
Manganese (7439-96-5)	**84.5**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,410**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

Environmental Protection Agency

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Wet Chemistry

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**58.2**		10.0	1	10/25/17	10/25/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710012-15 **Station ID: SC-SW-08**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**63.2**		10.0	1	11/02/17	11/02/17

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-16 **Station ID: SC-SW-08-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**174**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**42.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**16,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**693**		25.0	"	"	"
Magnesium (7439-95-4)	**5,850**		150	"	"	"
Manganese (7439-96-5)	**53.4**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,070**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,300**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-16 **Station ID: SC-SW-08-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-16 **Station ID: SC-SW-08-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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pH by EPA Method 9045D

Lab ID: 1710012-17 **Station ID: SCUC1c-SD-0.5**

Batch: B7K0603 Date Collected: 10/17/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.5**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.2		102	86-117	10/18/17	10/18/17
Toluene-d8	9.77		97.7	85-113	"	"
4-Bromofluorobenzene	9.52		95.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1041ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.17		71.7	42-109	10/19/17	11/08/17
Phenol-d5	5.28		73.3	46-110	"	"
2-Chlorophenol-d4	5.35		74.3	47-103	"	"
1,2-Dichlorobenzene-d4	2.85		59.4	33-100	"	"
Nitrobenzene-d5	3.75		78.0	42-126	"	"
2-Fluorobiphenyl	3.40		70.8	50-104	"	"
2,4,6-Tribromophenol	7.08		98.3	59-142	"	"
Terphenyl-d14	4.79		99.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/19/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1041ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/19/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.8	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.8	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.8	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1041ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/19/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J1903 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 1041ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.90		68.0	42-109	10/19/17	10/19/17
Phenol-d5	5.30		73.6	46-110	"	"
2-Chlorophenol-d4	5.42		75.2	47-103	"	"
1,2-Dichlorobenzene-d4	2.82		58.8	33-100	"	"
Nitrobenzene-d5	3.92		81.6	42-126	"	"
2-Fluorobiphenyl	3.28		68.2	50-104	"	"
2,4,6-Tribromophenol	6.91		95.9	59-142	"	"
Terphenyl-d14	3.90		81.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/19/17	10/19/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 35.628ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J2308 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**728**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**51.1**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**16,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**2,010**		25.0	"	"	"
Magnesium (7439-95-4)	**5,940**		150	"	"	"
Manganese (7439-96-5)	**95.2**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,380**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,700**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J2309 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J2521 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7J3012 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7K1406 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**59.8**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710012-18 **Station ID: SCUC1c-SW**

Batch: B7K1509 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**64.8**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710012-19 **Station ID: SCUC1c-SW-F**

Batch: B7J2411 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**182**		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**41.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**15,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**612**		25.0	"	"	"
Magnesium (7439-95-4)	**5,500**		150	"	"	"
Manganese (7439-96-5)	**55.6**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,050**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710012-19 **Station ID: SCUC1c-SW-F**

Batch: B7J2412 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710012-19 **Station ID: SCUC1c-SW-F**

Batch: B7K0111 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-20 **Station ID: TB-171017**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.81		98.1	86-117	10/18/17	10/18/17
Toluene-d8	9.66		96.6	85-113	"	"
4-Bromofluorobenzene	9.58		95.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/18/17	10/18/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710012-20 **Station ID: TB-171017**

Batch: B7J1722 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/18/17	10/18/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710012-20 **Station ID: TB-171017**

Batch: B7J2001 Date Collected: 10/17/17
Sample Type: Liquid Sample Vol: 35.52ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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pH by EPA Method 9045D

Lab ID: 1710013-01 **Station ID: ET-SD-05-0.5**

Batch: B7K0603 Date Collected: 10/18/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**6.7**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710013-02 **Station ID: ET-SD-07-0.5**

Batch: B7K0603 Date Collected: 10/18/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.0**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.0		110	86-117	10/19/17	10/19/17
Toluene-d8	9.41		94.1	85-113	"	"
4-Bromofluorobenzene	8.99		89.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.27		72.9	42-109	10/20/17	11/08/17
Phenol-d5	5.09		70.4	46-110	"	"
2-Chlorophenol-d4	5.39		74.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.40		70.6	33-100	"	"
Nitrobenzene-d5	3.67		76.2	42-126	"	"
2-Fluorobiphenyl	3.33		69.0	50-104	"	"
2,4,6-Tribromophenol	6.45		89.2	59-142	"	"
Terphenyl-d14	4.41		91.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.97		68.7	42-109	10/20/17	10/23/17
Phenol-d5	5.06		70.0	46-110	"	"
2-Chlorophenol-d4	5.41		74.8	47-103	"	"
1,2-Dichlorobenzene-d4	3.33		69.0	33-100	"	"
Nitrobenzene-d5	3.70		76.8	42-126	"	"
2-Fluorobiphenyl	3.32		68.8	50-104	"	"
2,4,6-Tribromophenol	6.55		90.5	59-142	"	"
Terphenyl-d14	4.39		91.0	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.257ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**119**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**54,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,100**		25.0	"	"	"
Magnesium (7439-95-4)	**15,900**		150	"	"	"
Manganese (7439-96-5)	**438**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,880**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**15,300**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**54.3**		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**163**		10.0	1	10/25/17	10/25/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-03 **Station ID: ET-SW-05**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**181**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-04 **Station ID: ET-SW-05-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**100**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**48,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**37.0**		25.0	"	"	"
Magnesium (7439-95-4)	**14,000**		150	"	"	"
Manganese (7439-96-5)	**362**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,400**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**35.7**		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-04 **Station ID: ET-SW-05-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-04 **Station ID: ET-SW-05-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.8		108	86-117	10/19/17	10/19/17
Toluene-d8	9.31		93.1	85-113	"	"
4-Bromofluorobenzene	8.79		87.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	6.13		84.8	42-109	10/20/17	11/08/17
Phenol-d5	6.00		83.1	46-110	"	"
2-Chlorophenol-d4	6.30		87.2	47-103	"	"
1,2-Dichlorobenzene-d4	3.77		78.2	33-100	"	"
Nitrobenzene-d5	4.29		89.0	42-126	"	"
2-Fluorobiphenyl	3.86		80.2	50-104	"	"
2,4,6-Tribromophenol	7.66		106	59-142	"	"
Terphenyl-d14	4.90		102	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1038ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.79		80.1	42-109	10/20/17	10/23/17
Phenol-d5	6.00		83.1	46-110	"	"
2-Chlorophenol-d4	6.32		87.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.67		76.2	33-100	"	"
Nitrobenzene-d5	4.24		88.0	42-126	"	"
2-Fluorobiphenyl	3.78		78.4	50-104	"	"
2,4,6-Tribromophenol	7.65		106	59-142	"	"
Terphenyl-d14	5.01		104	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.433ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**133**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**67,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**391**		25.0	"	"	"
Magnesium (7439-95-4)	**18,300**		150	"	"	"
Manganese (7439-96-5)	**208**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**2,590**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**112,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**121**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-05 **Station ID: ET-SW-07**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**226**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-06 **Station ID: ET-SW-07-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**120**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**62,700**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**102**		25.0	"	"	"
Magnesium (7439-95-4)	**16,700**		150	"	"	"
Manganese (7439-96-5)	**186**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**2,360**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**103,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-06 **Station ID: ET-SW-07-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-06 **Station ID: ET-SW-07-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-07 **Station ID: FB-171018**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.3		113	86-117	10/19/17	10/19/17
Toluene-d8	9.74		97.4	85-113	"	"
4-Bromofluorobenzene	9.16		91.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-07 **Station ID: FB-171018**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.9		109	86-117	10/19/17	10/19/17
Toluene-d8	9.30		93.0	85-113	"	"
4-Bromofluorobenzene	9.18		91.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1032ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.36		73.7	42-109	10/20/17	11/08/17
Phenol-d5	5.16		71.1	46-110	"	"
2-Chlorophenol-d4	5.42		74.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.41		70.4	33-100	"	"
Nitrobenzene-d5	3.81		78.6	42-126	"	"
2-Fluorobiphenyl	3.45		71.2	50-104	"	"
2,4,6-Tribromophenol	6.66		91.6	59-142	"	"
Terphenyl-d14	5.62		116	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1032ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1032ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1032ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.97		68.4	42-109	10/20/17	10/23/17
Phenol-d5	5.07		69.7	46-110	"	"
2-Chlorophenol-d4	5.42		74.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.30		68.2	33-100	"	"
Nitrobenzene-d5	3.75		77.4	42-126	"	"
2-Fluorobiphenyl	3.37		69.6	50-104	"	"
2,4,6-Tribromophenol	6.52		89.7	59-142	"	"
Terphenyl-d14	5.28		109	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 35.975ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**48.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,030**		25.0	"	"	"
Magnesium (7439-95-4)	**7,480**		150	"	"	"
Manganese (7439-96-5)	**182**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,830**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**84.4**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-08 **Station ID: P6-SW-01**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**75.2**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-09 **Station ID: P6-SW-01-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.4**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**682**		25.0	"	"	"
Magnesium (7439-95-4)	**7,290**		150	"	"	"
Manganese (7439-96-5)	**139**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,670**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-09 **Station ID: P6-SW-01-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-09 **Station ID: P6-SW-01-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.0		110	86-117	10/19/17	10/19/17
Toluene-d8	9.66		96.6	85-113	"	"
4-Bromofluorobenzene	9.15		91.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	**1.0**		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.00		69.2	42-109	10/20/17	11/08/17
Phenol-d5	4.88		67.5	46-110	"	"
2-Chlorophenol-d4	5.12		70.8	47-103	"	"
1,2-Dichlorobenzene-d4	3.05		63.2	33-100	"	"
Nitrobenzene-d5	3.52		73.0	42-126	"	"
2-Fluorobiphenyl	3.16		65.6	50-104	"	"
2,4,6-Tribromophenol	5.98		82.7	59-142	"	"
Terphenyl-d14	4.36		90.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.60		63.6	42-109	10/20/17	10/23/17
Phenol-d5	4.77		66.0	46-110	"	"
2-Chlorophenol-d4	5.05		69.9	47-103	"	"
1,2-Dichlorobenzene-d4	2.96		61.4	33-100	"	"
Nitrobenzene-d5	3.50		72.6	42-126	"	"
2-Fluorobiphenyl	3.12		64.8	50-104	"	"
2,4,6-Tribromophenol	6.00		82.9	59-142	"	"
Terphenyl-d14	4.38		90.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 35.864ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**52.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**20,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,160**		25.0	"	"	"
Magnesium (7439-95-4)	**7,730**		150	"	"	"
Manganese (7439-96-5)	**210**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**5,010**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**83.6**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-10 **Station ID: P6-SW-02**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**73.2**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-11 **Station ID: P6-SW-02-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**664**		25.0	"	"	"
Magnesium (7439-95-4)	**7,180**		150	"	"	"
Manganese (7439-96-5)	**147**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,590**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,800**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-11 **Station ID: P6-SW-02-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-11 **Station ID: P6-SW-02-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.5		115	86-117	10/19/17	10/19/17
Toluene-d8	9.50		95.0	85-113	"	"
4-Bromofluorobenzene	9.03		90.3	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1028ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.36		73.5	42-109	10/20/17	11/08/17
Phenol-d5	5.53		75.7	46-110	"	"
2-Chlorophenol-d4	5.73		78.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.50		72.0	33-100	"	"
Nitrobenzene-d5	4.08		83.8	42-126	"	"
2-Fluorobiphenyl	3.56		73.2	50-104	"	"
2,4,6-Tribromophenol	6.70		91.9	59-142	"	"
Terphenyl-d14	5.05		104	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1028ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1028ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1028ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.15		70.5	42-109	10/20/17	10/23/17
Phenol-d5	5.39		73.9	46-110	"	"
2-Chlorophenol-d4	5.65		77.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.36		69.0	33-100	"	"
Nitrobenzene-d5	3.92		80.6	42-126	"	"
2-Fluorobiphenyl	3.54		72.8	50-104	"	"
2,4,6-Tribromophenol	6.68		91.6	59-142	"	"
Terphenyl-d14	5.26		108	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.128ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**50.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,700**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,110**		25.0	"	"	"
Magnesium (7439-95-4)	**7,370**		150	"	"	"
Manganese (7439-96-5)	**221**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,740**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**71.8**		10.0	1	10/26/17	10/26/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710013-12 **Station ID: P6-SW-04**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**72.8**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-13 **Station ID: P6-SW-04-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**637**		25.0	"	"	"
Magnesium (7439-95-4)	**6,990**		150	"	"	"
Manganese (7439-96-5)	**155**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,450**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-13 **Station ID: P6-SW-04-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-13 **Station ID: P6-SW-04-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.0		110	86-117	10/19/17	10/19/17
Toluene-d8	9.21		92.1	85-113	"	"
4-Bromofluorobenzene	8.95		89.5	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1018ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.52		74.9	42-109	10/20/17	11/08/17
Phenol-d5	5.36		72.8	46-110	"	"
2-Chlorophenol-d4	5.63		76.4	47-103	"	"
1,2-Dichlorobenzene-d4	3.33		67.8	33-100	"	"
Nitrobenzene-d5	4.08		83.0	42-126	"	"
2-Fluorobiphenyl	3.65		74.4	50-104	"	"
2,4,6-Tribromophenol	7.03		95.5	59-142	"	"
Terphenyl-d14	5.43		111	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/20/17	11/08/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1018ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.8	"	"	"
4-Nitrophenol (100-02-7)	U		5.9	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.8	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1018ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1018ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.28		71.6	42-109	10/20/17	10/23/17
Phenol-d5	5.54		75.2	46-110	"	"
2-Chlorophenol-d4	5.74		77.9	47-103	"	"
1,2-Dichlorobenzene-d4	3.33		67.8	33-100	"	"
Nitrobenzene-d5	3.90		79.4	42-126	"	"
2-Fluorobiphenyl	3.57		72.6	50-104	"	"
2,4,6-Tribromophenol	7.07		96.0	59-142	"	"
Terphenyl-d14	5.88		120	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.327ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**48.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,060**		25.0	"	"	"
Magnesium (7439-95-4)	**7,040**		150	"	"	"
Manganese (7439-96-5)	**212**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,550**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**76.0**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-14 **Station ID: P6-SW-05**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**74.8**		10.0	1	11/02/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.8		108	86-117	10/19/17	10/19/17
Toluene-d8	9.41		94.1	85-113	"	"
4-Bromofluorobenzene	8.96		89.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.16		71.1	42-109	10/20/17	11/08/17
Phenol-d5	5.00		68.8	46-110	"	"
2-Chlorophenol-d4	5.21		71.7	47-103	"	"
1,2-Dichlorobenzene-d4	3.30		68.2	33-100	"	"
Nitrobenzene-d5	3.77		77.8	42-126	"	"
2-Fluorobiphenyl	3.39		70.0	50-104	"	"
2,4,6-Tribromophenol	6.55		90.3	59-142	"	"
Terphenyl-d14	4.70		97.0	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.95		68.1	42-109	10/20/17	10/23/17
Phenol-d5	5.09		70.1	46-110	"	"
2-Chlorophenol-d4	5.38		74.1	47-103	"	"
1,2-Dichlorobenzene-d4	3.30		68.2	33-100	"	"
Nitrobenzene-d5	3.71		76.6	42-126	"	"
2-Fluorobiphenyl	3.38		69.8	50-104	"	"
2,4,6-Tribromophenol	6.53		90.0	59-142	"	"
Terphenyl-d14	5.43		112	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.419ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**50.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,070**		25.0	"	"	"
Magnesium (7439-95-4)	**7,320**		150	"	"	"
Manganese (7439-96-5)	**220**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,720**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**80.6**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-15 **Station ID: P6-SW-05-D**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**74.0**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-16 **Station ID: P6-SW-05-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,100**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**682**		25.0	"	"	"
Magnesium (7439-95-4)	**7,010**		150	"	"	"
Manganese (7439-96-5)	**158**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,490**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-16 **Station ID: P6-SW-05-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-16 **Station ID: P6-SW-05-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-17 **Station ID: P6-SW-05-F-D**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**46.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**20,000**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**706**		25.0	"	"	"
Magnesium (7439-95-4)	**7,380**		150	"	"	"
Manganese (7439-96-5)	**167**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,750**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-17 **Station ID: P6-SW-05-F-D**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-17 **Station ID: P6-SW-05-F-D**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.8		108	86-117	10/19/17	10/19/17
Toluene-d8	9.45		94.5	85-113	"	"
4-Bromofluorobenzene	8.96		89.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.78		79.7	42-109	10/20/17	11/08/17
Phenol-d5	5.75		79.3	46-110	"	"
2-Chlorophenol-d4	5.92		81.6	47-103	"	"
1,2-Dichlorobenzene-d4	3.63		75.0	33-100	"	"
Nitrobenzene-d5	4.26		88.2	42-126	"	"
2-Fluorobiphenyl	3.86		79.8	50-104	"	"
2,4,6-Tribromophenol	7.18		98.9	59-142	"	"
Terphenyl-d14	5.44		112	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.45		75.2	42-109	10/20/17	10/23/17
Phenol-d5	5.76		79.5	46-110	"	"
2-Chlorophenol-d4	5.97		82.3	47-103	"	"
1,2-Dichlorobenzene-d4	3.59		74.2	33-100	"	"
Nitrobenzene-d5	4.10		84.8	42-126	"	"
2-Fluorobiphenyl	3.74		77.4	50-104	"	"
2,4,6-Tribromophenol	6.90		95.1	59-142	"	"
Terphenyl-d14	5.19		107	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.077ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**52.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**20,100**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,140**		25.0	"	"	"
Magnesium (7439-95-4)	**7,480**		150	"	"	"
Manganese (7439-96-5)	**231**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,860**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**71.0**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-18 **Station ID: P6-SW-07**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**76.4**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-19 **Station ID: P6-SW-07-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**45.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**680**		25.0	"	"	"
Magnesium (7439-95-4)	**7,160**		150	"	"	"
Manganese (7439-96-5)	**163**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,570**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,700**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-19 **Station ID: P6-SW-07-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-19 **Station ID: P6-SW-07-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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pH by EPA Method 9045D

Lab ID: 1710013-20 **Station ID: SCUC1a-SD-0.5**

Batch: B7K0603 Date Collected: 10/18/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.3**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	11.1		111	86-117	10/19/17	10/19/17
Toluene-d8	9.46		94.6	85-113	"	"
4-Bromofluorobenzene	9.19		91.9	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1040ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	6.40		88.8	42-109	10/20/17	11/08/17
Phenol-d5	6.32		87.6	46-110	"	"
2-Chlorophenol-d4	6.62		91.7	47-103	"	"
1,2-Dichlorobenzene-d4	3.94		82.0	33-100	"	"
Nitrobenzene-d5	4.61		95.8	42-126	"	"
2-Fluorobiphenyl	4.15		86.4	50-104	"	"
2,4,6-Tribromophenol	7.31		101	59-142	"	"
Terphenyl-d14	4.37		90.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/20/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1040ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/20/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.8	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.8	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.8	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1040ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/20/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J1906 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 1040ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.91		82.0	42-109	10/20/17	10/23/17
Phenol-d5	6.18		85.7	46-110	"	"
2-Chlorophenol-d4	6.49		90.0	47-103	"	"
1,2-Dichlorobenzene-d4	3.84		79.8	33-100	"	"
Nitrobenzene-d5	4.48		93.2	42-126	"	"
2-Fluorobiphenyl	3.98		82.8	50-104	"	"
2,4,6-Tribromophenol	7.04		97.6	59-142	"	"
Terphenyl-d14	4.19		87.2	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/20/17	10/23/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.537ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J2308 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**757**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**51.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**16,200**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**2,110**		25.0	"	"	"
Magnesium (7439-95-4)	**6,000**		150	"	"	"
Manganese (7439-96-5)	**112**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,470**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J2309 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J2521 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7J3012 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7K0302 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Wet Chemistry

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7K1406 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**53.8**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710013-21 **Station ID: SCUC1a-SW**

Batch: B7K1509 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**60.4**		10.0	1	11/02/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710013-22 **Station ID: SCUC1a-SW-F**

Batch: B7J2411 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**40.9**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**15,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**557**		25.0	"	"	"
Magnesium (7439-95-4)	**5,520**		150	"	"	"
Manganese (7439-96-5)	**63.0**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,080**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710013-22 **Station ID: SCUC1a-SW-F**

Batch: B7J2412 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710013-22 **Station ID: SCUC1a-SW-F**

Batch: B7K0111 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710013-22 **Station ID: SCUC1a-SW-F**

Batch: B7K0303 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-23 **Station ID: TB-171018**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.6		106	86-117	10/19/17	10/19/17
Toluene-d8	9.26		92.6	85-113	"	"
4-Bromofluorobenzene	8.77		87.7	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/19/17	10/19/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710013-23 **Station ID: TB-171018**

Batch: B7J1722 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/19/17	10/19/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710013-23 **Station ID: TB-171018**

Batch: B7J2001 Date Collected: 10/18/17
Sample Type: Liquid Sample Vol: 36.641ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/20/17	10/20/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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pH by EPA Method 9045D

Lab ID: 1710018-01 **Station ID: ET-SD-01-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.7**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710018-02 **Station ID: ET-SD-02-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.5**			1	11/07/17	11/07/17

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Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710018-03 **Station ID: ET-SD-03-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.0**			1	11/07/17	11/07/17

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Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710018-04 **Station ID: ET-SD-04-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.1**			1	11/07/17	11/07/17

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10625 Fallstone Road, Houston, TX 77099
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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.0		100	86-117	10/20/17	10/20/17
Toluene-d8	9.44		94.4	85-113	"	"
4-Bromofluorobenzene	8.66		86.6	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2307 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 35.639ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/23/17	10/23/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2308 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**65.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**27,700**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**124**		25.0	"	"	"
Magnesium (7439-95-4)	**10,400**		150	"	"	"
Manganese (7439-96-5)	**278**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,530**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**21,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2309 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1027ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.53		75.7	42-109	10/24/17	11/08/17
Phenol-d5	5.59		76.5	46-110	"	"
2-Chlorophenol-d4	5.68		77.7	47-103	"	"
1,2-Dichlorobenzene-d4	3.34		68.6	33-100	"	"
Nitrobenzene-d5	3.86		79.2	42-126	"	"
2-Fluorobiphenyl	3.64		74.8	50-104	"	"
2,4,6-Tribromophenol	6.86		94.0	59-142	"	"
Terphenyl-d14	5.23		107	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/24/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1027ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/24/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1027ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/24/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1027ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.11		70.0	42-109	10/24/17	10/24/17
Phenol-d5	5.43		74.4	46-110	"	"
2-Chlorophenol-d4	5.61		76.8	47-103	"	"
1,2-Dichlorobenzene-d4	3.27		67.2	33-100	"	"
Nitrobenzene-d5	3.86		79.2	42-126	"	"
2-Fluorobiphenyl	3.52		72.4	50-104	"	"
2,4,6-Tribromophenol	6.73		92.1	59-142	"	"
Terphenyl-d14	5.01		103	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/24/17	10/24/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J2521 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7J3012 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7K1406 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**118**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710018-05 **Station ID: ET-SW-01**

Batch: B7K1509 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**111**		10.0	1	11/02/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.3		103	86-117	10/20/17	10/20/17
Toluene-d8	9.44		94.4	85-113	"	"
4-Bromofluorobenzene	8.68		86.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2307 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 35.45ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/23/17	10/23/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2308 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**47.8**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**20,200**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**795**		25.0	"	"	"
Magnesium (7439-95-4)	**7,530**		150	"	"	"
Manganese (7439-96-5)	**112**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,870**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,300**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2309 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.79		80.0	42-109	10/24/17	11/08/17
Phenol-d5	5.78		79.9	46-110	"	"
2-Chlorophenol-d4	5.87		81.2	47-103	"	"
1,2-Dichlorobenzene-d4	3.55		73.6	33-100	"	"
Nitrobenzene-d5	4.19		87.0	42-126	"	"
2-Fluorobiphenyl	3.69		76.6	50-104	"	"
2,4,6-Tribromophenol	7.37		102	59-142	"	"
Terphenyl-d14	6.05		125	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/24/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/24/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.6	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.6	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/24/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1037ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.36		74.1	42-109	10/24/17	10/24/17
Phenol-d5	5.61		77.6	46-110	"	"
2-Chlorophenol-d4	5.85		80.9	47-103	"	"
1,2-Dichlorobenzene-d4	3.46		71.8	33-100	"	"
Nitrobenzene-d5	3.98		82.6	42-126	"	"
2-Fluorobiphenyl	3.67		76.2	50-104	"	"
2,4,6-Tribromophenol	7.36		102	59-142	"	"
Terphenyl-d14	5.52		114	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/24/17	10/24/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J2521 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	**0.0296**		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7J3012 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7K1406 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**70.8**		10.0	1	10/26/17	10/26/17

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Hardness by EPA Method 130.2

Lab ID: 1710018-06 **Station ID: ET-SW-02**

Batch: B7K1509 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**76.0**		10.0	1	11/02/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.83		98.3	86-117	10/20/17	10/20/17
Toluene-d8	9.37		93.7	85-113	"	"
4-Bromofluorobenzene	8.72		87.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2307 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 36.023ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/23/17	10/23/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2308 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**48.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**788**		25.0	"	"	"
Magnesium (7439-95-4)	**7,410**		150	"	"	"
Manganese (7439-96-5)	**144**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,770**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2309 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.38		74.1	42-109	10/24/17	11/08/17
Phenol-d5	5.23		72.0	46-110	"	"
2-Chlorophenol-d4	5.42		74.7	47-103	"	"
1,2-Dichlorobenzene-d4	3.35		69.2	33-100	"	"
Nitrobenzene-d5	3.85		79.6	42-126	"	"
2-Fluorobiphenyl	3.64		75.2	50-104	"	"
2,4,6-Tribromophenol	6.82		93.9	59-142	"	"
Terphenyl-d14	5.57		115	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/24/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/24/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/24/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1033ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.01		69.1	42-109	10/24/17	10/24/17
Phenol-d5	5.21		71.7	46-110	"	"
2-Chlorophenol-d4	5.48		75.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.31		68.4	33-100	"	"
Nitrobenzene-d5	3.82		79.0	42-126	"	"
2-Fluorobiphenyl	3.55		73.4	50-104	"	"
2,4,6-Tribromophenol	6.87		94.7	59-142	"	"
Terphenyl-d14	6.10		126 **#**	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/24/17	10/24/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J2521 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7J3012 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

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Wet Chemistry

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7K1406 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**76.6**		10.0	1	10/27/17	10/27/17

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Hardness by EPA Method 130.2

Lab ID: 1710018-07 **Station ID: ET-SW-03**

Batch: B7K1509 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**76.0**		10.0	1	11/08/17	11/08/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710018-08 **Station ID: ET-SW-03-F**

Batch: B7J2411 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**45.1**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**629**		25.0	"	"	"
Magnesium (7439-95-4)	**7,270**		150	"	"	"
Manganese (7439-96-5)	**111**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,670**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-08 **Station ID: ET-SW-03-F**

Batch: B7J2412 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-08 **Station ID: ET-SW-03-F**

Batch: B7K0111 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	9.98		99.8	86-117	10/20/17	10/20/17
Toluene-d8	9.52		95.2	85-113	"	"
4-Bromofluorobenzene	8.98		89.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2307 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 35.687ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.020	1	10/23/17	10/23/17
1,2-Dibromoethane (106-93-4)	U		0.020	"	"	"

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2308 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**118**		100	1	10/23/17	11/29/17
Barium (7440-39-3)	**48.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**18,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,040**		25.0	"	"	"
Magnesium (7439-95-4)	**7,080**		150	"	"	"
Manganese (7439-96-5)	**177**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,580**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,700**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2309 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/23/17	11/02/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.47		75.5	42-109	10/24/17	11/08/17
Phenol-d5	5.32		73.3	46-110	"	"
2-Chlorophenol-d4	5.52		76.1	47-103	"	"
1,2-Dichlorobenzene-d4	3.42		70.8	33-100	"	"
Nitrobenzene-d5	3.92		81.0	42-126	"	"
2-Fluorobiphenyl	3.55		73.4	50-104	"	"
2,4,6-Tribromophenol	6.56		90.4	59-142	"	"
Terphenyl-d14	4.90		101	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		1.9	1	10/24/17	11/08/17
Phenol (108-95-2)	U		1.9	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		1.9	"	"	"
2-Chlorophenol (95-57-8)	U		1.9	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.9	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.9	"	"	"
Benzyl alcohol (100-51-6)	U		1.9	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.9	"	"	"
2-Methylphenol (95-48-7)	U		1.9	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		1.9	"	"	"
Acetophenone (98-86-2)	U		1.9	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		1.9	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		1.9	"	"	"
Hexachloroethane (67-72-1)	U		1.9	"	"	"
Nitrobenzene (98-95-3)	U		1.9	"	"	"
Isophorone (78-59-1)	U		1.9	"	"	"
2-Nitrophenol (88-75-5)	U		1.9	"	"	"
2,4-Dimethylphenol (105-67-9)	U		1.9	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		1.9	"	"	"
2,4-Dichlorophenol (120-83-2)	U		1.9	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.9	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		1.9	1	10/24/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		1.9	"	"	"
Caprolactam (105-60-2)	U		1.9	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		1.9	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		1.9	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		1.9	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		1.9	"	"	"
2-Chloronaphthalene (91-58-7)	U		1.9	"	"	"
1,1'-Biphenyl (92-52-4)	U		1.9	"	"	"
2-Nitroaniline (88-74-4)	U		3.9	"	"	"
Dimethyl phthalate (131-11-3)	U		1.9	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		1.9	"	"	"
3-Nitroaniline (99-09-2)	U		3.9	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.7	"	"	"
4-Nitrophenol (100-02-7)	U		5.8	"	"	"
Dibenzofuran (132-64-9)	U		1.9	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		1.9	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		1.9	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		1.9	"	"	"
4-Nitroaniline (100-01-6)	U		3.9	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.7	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		1.9	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		1.9	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		1.9	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		1.9	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		1.9	1	10/24/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		1.9	"	"	"
Benzo (a) anthracene (56-55-3)	U		1.9	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		1.9	"	"	"
Chrysene (218-01-9)	U		1.9	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		1.9	"	"	"
Di-n-octyl phthalate (117-84-0)	U		1.9	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		1.9	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		1.9	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		1.9	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		1.9	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		1.9	"	"	"

Environmental Protection Agency

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2408 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 1034ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.04		69.5	42-109	10/24/17	10/24/17
Phenol-d5	5.19		71.6	46-110	"	"
2-Chlorophenol-d4	5.49		75.7	47-103	"	"
1,2-Dichlorobenzene-d4	3.34		69.0	33-100	"	"
Nitrobenzene-d5	3.77		78.0	42-126	"	"
2-Fluorobiphenyl	3.48		72.0	50-104	"	"
2,4,6-Tribromophenol	6.71		92.5	59-142	"	"
Terphenyl-d14	5.70		118	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/24/17	10/24/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J2521 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7J3012 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	10/31/17	11/01/17

Environmental Protection Agency

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Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7K1406 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**84.0**		10.0	1	10/27/17	10/27/17

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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2

Lab ID: 1710018-09 **Station ID: ET-SW-04**

Batch: B7K1509 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**75.6**		10.0	1	11/08/17	11/08/17

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710018-10 **Station ID: ET-SW-04-F**

Batch: B7J2411 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**45.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**595**		25.0	"	"	"
Magnesium (7439-95-4)	**7,270**		150	"	"	"
Manganese (7439-96-5)	**134**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,660**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**10,900**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-10 **Station ID: ET-SW-04-F**

Batch: B7J2412 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-10 **Station ID: ET-SW-04-F**

Batch: B7K0111 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-11 **Station ID: FB-171019**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.1		101	86-117	10/20/17	10/20/17
Toluene-d8	9.44		94.4	85-113	"	"
4-Bromofluorobenzene	8.98		89.8	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-11 **Station ID: FB-171019**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

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pH by EPA Method 9045D

Lab ID: 1710018-12 **Station ID: P6-SD-01-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**6.9**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710018-13 **Station ID: P6-SD-02-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.0**			1	11/07/17	11/07/17

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pH by EPA Method 9045D

Lab ID: 1710018-14 **Station ID: P6-SD-04-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**6.7**			1	11/07/17	11/07/17

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Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710018-15 **Station ID: P6-SD-05-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.3**			1	11/07/17	11/07/17

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Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710018-16 **Station ID: P6-SD-05-0.5-D**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.4**			1	11/07/17	11/07/17

Environmental Protection Agency

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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D

Lab ID: 1710018-17 **Station ID: P6-SD-07-0.5**

Batch: B7K0603 Date Collected: 10/19/17

Sample Type: Solid Sample Qualifiers:

Targets

Analyte (CAS Number)	Result pH Units	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
pH (C-006)	**7.2**			1	11/07/17	11/07/17

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-18 **Station ID: TB-171019-2**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
1,2-Dichloroethane-d4	10.0		100	86-117	10/20/17	10/20/17
Toluene-d8	9.49		94.9	85-113	"	"
4-Bromofluorobenzene	8.82		88.2	73-115	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dichlorodifluoromethane (75-71-8)	U		1.0	1	10/20/17	10/20/17
Chloromethane (74-87-3)	U		1.0	"	"	"
Vinyl chloride (75-01-4)	U		1.0	"	"	"
Bromomethane (74-83-9)	U		1.0	"	"	"
Chloroethane (75-00-3)	U		1.0	"	"	"
Trichlorofluoromethane (75-69-4)	U		1.0	"	"	"
1,1-Dichloroethene (75-35-4)	U		1.0	"	"	"
Carbon disulfide (75-15-0)	U		1.0	"	"	"
1,1,2-Trichloro-1,2,2-trifluoroethane (76-13-1)	U		1.0	"	"	"
Acetone (67-64-1)	U		5.0	"	"	"
Methylene chloride (75-09-2)	U		2.0	"	"	"
Methyl acetate (79-20-9)	U		1.0	"	"	"
trans-1,2-Dichloroethene (156-60-5)	U		1.0	"	"	"
cis-1,2-Dichloroethene (156-59-2)	U		1.0	"	"	"
Methyl tert-butyl ether (1634-04-4)	U		1.0	"	"	"
1,1-Dichloroethane (75-34-3)	U		1.0	"	"	"
2-Butanone (78-93-3)	U		5.0	"	"	"
Chloroform (67-66-3)	U		1.0	"	"	"
1,2-Dichloroethane (107-06-2)	U		1.0	"	"	"
1,1,1-Trichloroethane (71-55-6)	U		1.0	"	"	"
Cyclohexane (110-82-7)	U		1.0	"	"	"
Carbon tetrachloride (56-23-5)	U		1.0	"	"	"
Benzene (71-43-2)	U		1.0	"	"	"
Trichloroethene (79-01-6)	U		1.0	"	"	"
Methylcyclohexane (108-87-2)	U		1.0	"	"	"
1,2-Dichloropropane (78-87-5)	U		1.0	"	"	"
Bromodichloromethane (75-27-4)	U		1.0	"	"	"

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Volatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710018-18 **Station ID: TB-171019-2**

Batch: B7J1722 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 5ml Sample Qualifiers:

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
cis-1,3-Dichloropropene (10061-01-5)	U		1.0	1	10/20/17	10/20/17
trans-1,3-Dichloropropene (10061-02-6)	U		1.0	"	"	"
1,1,2-Trichloroethane (79-00-5)	U		1.0	"	"	"
Dibromochloromethane (124-48-1)	U		1.0	"	"	"
Bromoform (75-25-2)	U		1.0	"	"	"
4-Methyl-2-pentanone (108-10-1)	U		5.0	"	"	"
Toluene (108-88-3)	U		1.0	"	"	"
Tetrachloroethene (127-18-4)	U		1.0	"	"	"
2-Hexanone (591-78-6)	U		5.0	"	"	"
1,2-Dibromoethane (106-93-4)	U		1.0	"	"	"
Chlorobenzene (108-90-7)	U		1.0	"	"	"
Ethylbenzene (100-41-4)	U		1.0	"	"	"
meta-/para-Xylene (na)	U		2.0	"	"	"
ortho-Xylene (95-47-6)	U		1.0	"	"	"
Styrene (100-42-5)	U		1.0	"	"	"
Isopropylbenzene (98-82-8)	U		1.0	"	"	"
1,1,2,2-Tetrachloroethane (79-34-5)	U		1.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		1.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		1.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		1.0	"	"	"
1,2-Dibromo-3-chloropropane (96-12-8)	U		1.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		1.0	"	"	"

This sample was received at pH 2.
Vinyl Chloride and Styrene may be biased low.

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD

Lab ID: 1710018-18 **Station ID: TB-171019-2**

Batch: B7J2307 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 35.946ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result ug/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
1,2-Dibromo-3-chloropropane (96-12-8)	U		0.019	1	10/23/17	10/23/17
1,2-Dibromoethane (106-93-4)	U		0.019	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710018-19 **Station ID: ET-SW-01-F**

Batch: B7J2411 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**67.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**28,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**644**		25.0	"	"	"
Magnesium (7439-95-4)	**10,700**		150	"	"	"
Manganese (7439-96-5)	**298**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,380**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**21,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-19 **Station ID: ET-SW-01-F**

Batch: B7J2412 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-19 **Station ID: ET-SW-01-F**

Batch: B7K0111 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710018-20 **Station ID: ET-SW-02-F**

Batch: B7J2411 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	10/24/17	11/30/17
Barium (7440-39-3)	**44.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**19,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**589**		25.0	"	"	"
Magnesium (7439-95-4)	**7,310**		150	"	"	"
Manganese (7439-96-5)	**84.1**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,720**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**11,000**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710018-20 **Station ID: ET-SW-02-F**

Batch: B7J2412 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	10/24/17	11/03/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710018-20 **Station ID: ET-SW-02-F**

Batch: B7K0111 Date Collected: 10/19/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/01/17	11/02/17

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1011ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.96		66.8	42-109	10/25/17	11/08/17
Phenol-d5	4.84		65.2	46-110	"	"
2-Chlorophenol-d4	5.06		68.3	47-103	"	"
1,2-Dichlorobenzene-d4	3.09		62.4	33-100	"	"
Nitrobenzene-d5	3.60		72.8	42-126	"	"
2-Fluorobiphenyl	3.21		65.0	50-104	"	"
2,4,6-Tribromophenol	6.50		87.6	59-142	"	"
Terphenyl-d14	4.52		91.4	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/25/17	11/08/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1011ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/25/17	11/08/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		4.0	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		4.0	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.9	"	"	"
4-Nitrophenol (100-02-7)	U		5.9	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		4.0	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.9	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	U		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1011ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/25/17	11/08/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	U		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1011ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.64		62.5	42-109	10/25/17	10/26/17
Phenol-d5	4.85		65.3	46-110	"	"
2-Chlorophenol-d4	5.11		68.9	47-103	"	"
1,2-Dichlorobenzene-d4	3.05		61.6	33-100	"	"
Nitrobenzene-d5	3.53		71.4	42-126	"	"
2-Fluorobiphenyl	3.23		65.4	50-104	"	"
2,4,6-Tribromophenol	6.47		87.2	59-142	"	"
Terphenyl-d14	4.88		98.6	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/25/17	10/26/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	U		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	U		0.1	"	"	"
Anthracene (120-12-7)	U		0.1	"	"	"
Fluoranthene (206-44-0)	U		0.1	"	"	"
Pyrene (129-00-0)	U		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	U		0.1	"	"	"
Chrysene (218-01-9)	U		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**342**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**73.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**24,200**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**2,710**		25.0	"	"	"
Magnesium (7439-95-4)	**8,680**		150	"	"	"
Manganese (7439-96-5)	**690**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**4,560**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**18,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**105**		10.0	1	10/27/17	10/27/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710020-01 **Station ID: ETUC-SW**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**94.8**		10.0	1	11/08/17	11/08/17

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-02 **Station ID: ETUC-SW-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**71.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	**24.9**		5.0	"	"	"
Calcium (7440-70-2)	**24,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**608**		25.0	"	"	"
Magnesium (7439-95-4)	**9,090**		150	"	"	"
Manganese (7439-96-5)	**691**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**5,070**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**19,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**25.9**		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-02 **Station ID: ETUC-SW-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	U		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-02 **Station ID: ETUC-SW-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

Environmental Protection Agency

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**582**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**52.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,220**		25.0	"	"	"
Magnesium (7439-95-4)	**5,350**		150	"	"	"
Manganese (7439-96-5)	**116**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,650**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**171**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K0302 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

Environmental Protection Agency

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Wet Chemistry

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**63.0**		10.0	1	10/27/17	10/27/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710020-03 **Station ID: P1-SW-01**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**62.0**		10.0	1	11/08/17	11/08/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-04 **Station ID: P1-SW-01-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**46.1**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	**9.6**		5.0	"	"	"
Calcium (7440-70-2)	**16,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**213**		25.0	"	"	"
Magnesium (7439-95-4)	**5,240**		150	"	"	"
Manganese (7439-96-5)	**86.6**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,590**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,500**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**24.5**		20.0	"	"	"

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-04 **Station ID: P1-SW-01-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**30.1**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710020-04 **Station ID: P1-SW-01-F**

Batch: B7K0303 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-04 **Station ID: P1-SW-01-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**528**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**53.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,170**		25.0	"	"	"
Magnesium (7439-95-4)	**5,400**		150	"	"	"
Manganese (7439-96-5)	**126**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,660**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,400**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Environmental Protection Agency

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**181**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

Environmental Protection Agency

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

Environmental Protection Agency

Region 6 Laboratory

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Wet Chemistry

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**67.8**		10.0	1	10/27/17	10/27/17

Environmental Protection Agency

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Hardness by EPA Method 130.2

Lab ID: 1710020-09 **Station ID: P1-SW-04**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**62.8**		10.0	1	11/08/17	11/08/17

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-10 **Station ID: P1-SW-04-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**47.2**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	**6.3**		5.0	"	"	"
Calcium (7440-70-2)	**16,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**166**		25.0	"	"	"
Magnesium (7439-95-4)	**5,190**		150	"	"	"
Manganese (7439-96-5)	**85.5**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,490**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**23.9**		20.0	"	"	"

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-10 **Station ID: P1-SW-04-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**26.4**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-10 **Station ID: P1-SW-04-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1012ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.07		68.4	42-109	10/25/17	11/09/17
Phenol-d5	5.15		69.5	46-110	"	"
2-Chlorophenol-d4	5.23		70.5	47-103	"	"
1,2-Dichlorobenzene-d4	3.11		63.0	33-100	"	"
Nitrobenzene-d5	3.41		69.0	42-126	"	"
2-Fluorobiphenyl	3.35		67.8	50-104	"	"
2,4,6-Tribromophenol	6.48		87.5	59-142	"	"
Terphenyl-d14	4.24		85.8	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/25/17	11/09/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1012ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/25/17	11/09/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		4.0	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		4.0	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		9.9	"	"	"
4-Nitrophenol (100-02-7)	U		5.9	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		4.0	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		9.9	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	**1.5**		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1012ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/25/17	11/09/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	**0.6**		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 1012ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.70		63.5	42-109	10/25/17	10/26/17
Phenol-d5	4.95		66.8	46-110	"	"
2-Chlorophenol-d4	5.22		70.4	47-103	"	"
1,2-Dichlorobenzene-d4	3.05		61.8	33-100	"	"
Nitrobenzene-d5	3.58		72.4	42-126	"	"
2-Fluorobiphenyl	3.36		68.0	50-104	"	"
2,4,6-Tribromophenol	6.94		93.6	59-142	"	"
Terphenyl-d14	5.27		107	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/25/17	10/26/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	**0.2**		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	**0.4**		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	**1.5**		0.1	"	"	"
Anthracene (120-12-7)	**0.2**		0.1	"	"	"
Fluoranthene (206-44-0)	**0.2**		0.1	"	"	"
Pyrene (129-00-0)	**0.7**		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	**0.1**		0.1	"	"	"
Chrysene (218-01-9)	**0.2**		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**430**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**127**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**42,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,460**		25.0	"	"	"
Magnesium (7439-95-4)	**14,900**		150	"	"	"
Manganese (7439-96-5)	**837**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,480**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**19,200**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

Environmental Protection Agency

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**18.4**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K0302 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

Environmental Protection Agency

Region 6 Laboratory

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Wet Chemistry

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**169**		10.0	1	10/27/17	10/27/17

Environmental Protection Agency

Region 6 Laboratory

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Hardness by EPA Method 130.2

Lab ID: 1710020-11 **Station ID: WT-SW-01**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**156**		10.0	1	11/08/17	11/08/17

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 999ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	5.46		72.7	42-109	10/25/17	11/09/17
Phenol-d5	5.42		72.1	46-110	"	"
2-Chlorophenol-d4	5.55		73.9	47-103	"	"
1,2-Dichlorobenzene-d4	3.35		67.0	33-100	"	"
Nitrobenzene-d5	3.53		70.6	42-126	"	"
2-Fluorobiphenyl	3.59		71.8	50-104	"	"
2,4,6-Tribromophenol	6.96		92.7	59-142	"	"
Terphenyl-d14	5.15		103	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Benzaldehyde (100-52-7)	U		2.0	1	10/25/17	11/09/17
Phenol (108-95-2)	U		2.0	"	"	"
Bis(2-chloroethyl)ether (111-44-4)	U		2.0	"	"	"
2-Chlorophenol (95-57-8)	U		2.0	"	"	"
1,3-Dichlorobenzene (541-73-1)	U		2.0	"	"	"
1,4-Dichlorobenzene (106-46-7)	U		2.0	"	"	"
Benzyl alcohol (100-51-6)	U		2.0	"	"	"
1,2-Dichlorobenzene (95-50-1)	U		2.0	"	"	"
2-Methylphenol (95-48-7)	U		2.0	"	"	"
Bis(2-chloro-1-methylethyl)ether (108-60-1)	U		2.0	"	"	"
Acetophenone (98-86-2)	U		2.0	"	"	"
3 &/or 4-Methylphenol (108-39-4/106-44-5)	U		2.0	"	"	"
N-Nitrosodi-n-propylamine (621-64-7)	U		2.0	"	"	"
Hexachloroethane (67-72-1)	U		2.0	"	"	"
Nitrobenzene (98-95-3)	U		2.0	"	"	"
Isophorone (78-59-1)	U		2.0	"	"	"
2-Nitrophenol (88-75-5)	U		2.0	"	"	"
2,4-Dimethylphenol (105-67-9)	U		2.0	"	"	"
Bis(2-chloroethoxy)methane (111-91-1)	U		2.0	"	"	"
2,4-Dichlorophenol (120-83-2)	U		2.0	"	"	"
1,2,4-Trichlorobenzene (120-82-1)	U		2.0	"	"	"
Naphthalene (91-20-3)	U		0.5	"	"	"

Environmental Protection Agency

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 999ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
4-Chloroaniline (106-47-8)	U		2.0	1	10/25/17	11/09/17
Hexachlorobutadiene (87-68-3)	U		2.0	"	"	"
Caprolactam (105-60-2)	U		2.0	"	"	"
4-Chloro-3-methylphenol (59-50-7)	U		2.0	"	"	"
2-Methylnaphthalene (91-57-6)	U		0.5	"	"	"
1-Methylnaphthalene (90-12-0)	U		0.5	"	"	"
Hexachlorocyclopentadiene (77-47-4)	U		2.0	"	"	"
2,4,6-Trichlorophenol (88-06-2)	U		2.0	"	"	"
2,4,5-Trichlorophenol (95-95-4)	U		2.0	"	"	"
2-Chloronaphthalene (91-58-7)	U		2.0	"	"	"
1,1'-Biphenyl (92-52-4)	U		2.0	"	"	"
2-Nitroaniline (88-74-4)	U		4.0	"	"	"
Dimethyl phthalate (131-11-3)	U		2.0	"	"	"
Acenaphthylene (208-96-8)	U		0.5	"	"	"
2,6-Dinitrotoluene (606-20-2)	U		2.0	"	"	"
3-Nitroaniline (99-09-2)	U		4.0	"	"	"
Acenaphthene (83-32-9)	U		0.5	"	"	"
2,4-Dinitrophenol (51-28-5)	U		10.0	"	"	"
4-Nitrophenol (100-02-7)	U		6.0	"	"	"
Dibenzofuran (132-64-9)	U		2.0	"	"	"
2,4-Dinitrotoluene (121-14-2)	U		2.0	"	"	"
Fluorene (86-73-7)	U		0.5	"	"	"
Diethyl phthalate (84-66-2)	U		2.0	"	"	"
4-Chlorophenyl phenyl ether (7005-72-3)	U		2.0	"	"	"
4-Nitroaniline (100-01-6)	U		4.0	"	"	"
4,6-Dinitro-2-methylphenol (534-52-1)	U		10.0	"	"	"
N-Nitrosodiphenylamine/Diphenylamine (86-30-6/122-39-4)	U		2.0	"	"	"
4-Bromophenyl phenyl ether (101-55-3)	U		2.0	"	"	"
Hexachlorobenzene (118-74-1)	U		1.0	"	"	"
Atrazine (1912-24-9)	U		2.0	"	"	"
Pentachlorophenol (87-86-5)	U		1.0	"	"	"
Phenanthrene (85-01-8)	**1.5**		0.5	"	"	"
Anthracene (120-12-7)	U		0.5	"	"	"
Carbazole (86-74-8)	U		2.0	"	"	"

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level)

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 999ml Sample Qualifiers: **A**

Targets (Continued)

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Di-n-butyl phthalate (84-74-2)	U		2.0	1	10/25/17	11/09/17
Fluoranthene (206-44-0)	U		0.5	"	"	"
Pyrene (129-00-0)	**0.7**		0.5	"	"	"
Butyl benzyl phthalate (85-68-7)	U		2.0	"	"	"
Benzo (a) anthracene (56-55-3)	U		2.0	"	"	"
3,3´-Dichlorobenzidine (91-94-1)	U		2.0	"	"	"
Chrysene (218-01-9)	U		2.0	"	"	"
Bis(2-ethylhexyl)phthalate (117-81-7)	U		2.0	"	"	"
Di-n-octyl phthalate (117-84-0)	U		2.0	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		2.0	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		2.0	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.2	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		2.0	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		2.0	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		2.0	"	"	"

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM)

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7J2515 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 999ml Sample Qualifiers: **A**

Surrogates

Analyte	Result µg/L	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
2-Fluorophenol	4.90		65.3	42-109	10/25/17	10/26/17
Phenol-d5	5.19		69.1	46-110	"	"
2-Chlorophenol-d4	5.43		72.3	47-103	"	"
1,2-Dichlorobenzene-d4	3.25		65.0	33-100	"	"
Nitrobenzene-d5	3.71		74.2	42-126	"	"
2-Fluorobiphenyl	3.57		71.4	50-104	"	"
2,4,6-Tribromophenol	7.30		97.2	59-142	"	"
Terphenyl-d14	5.43		108	61-125	"	"

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Naphthalene (91-20-3)	U		0.1	1	10/25/17	10/26/17
2-Methylnaphthalene (91-57-6)	U		0.1	"	"	"
1-Methylnaphthalene (90-12-0)	**0.2**		0.1	"	"	"
1,1'-Biphenyl (92-52-4)	U		0.1	"	"	"
Acenaphthylene (208-96-8)	U		0.1	"	"	"
Acenaphthene (83-32-9)	U		0.1	"	"	"
Fluorene (86-73-7)	**0.4**		0.1	"	"	"
Pentachlorophenol (87-86-5)	U		0.2	"	"	"
Phenanthrene (85-01-8)	**1.5**		0.1	"	"	"
Anthracene (120-12-7)	**0.2**		0.1	"	"	"
Fluoranthene (206-44-0)	**0.2**		0.1	"	"	"
Pyrene (129-00-0)	**0.6**		0.1	"	"	"
Benzo (a) anthracene (56-55-3)	**0.1**		0.1	"	"	"
Chrysene (218-01-9)	**0.2**		0.1	"	"	"
Benzo (b) fluoranthene (205-99-2)	U		0.1	"	"	"
Benzo (k) fluoranthene (207-08-9)	U		0.1	"	"	"
Benzo (a) pyrene (50-32-8)	U		0.1	"	"	"
Indeno (1,2,3-cd) pyrene (193-39-5)	U		0.1	"	"	"
Dibenz (a,h) anthracene (53-70-3)	U		0.1	"	"	"
Benzo (g,h,i) perylene (191-24-2)	U		0.1	"	"	"

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**416**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**125**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**41,900**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,440**		25.0	"	"	"
Magnesium (7439-95-4)	**14,600**		150	"	"	"
Manganese (7439-96-5)	**834**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,420**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**18,800**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**19.1**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Hexavalent Chromium by Modified EPA Method 218.6 - IC

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K0302 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

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Wet Chemistry

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**171**		10.0	1	10/27/17	10/27/17

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Hardness by EPA Method 130.2

Lab ID: 1710020-12 **Station ID: WT-SW-01-D**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**162**		10.0	1	11/08/17	11/08/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-13 **Station ID: WT-SW-01-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**127**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**42,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**360**		25.0	"	"	"
Magnesium (7439-95-4)	**15,300**		150	"	"	"
Manganese (7439-96-5)	**829**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,590**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**20,300**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-13 **Station ID: WT-SW-01-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**4.8**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710020-13 **Station ID: WT-SW-01-F**

Batch: B7K0303 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-13 **Station ID: WT-SW-01-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-14 **Station ID: WT-SW-01-F-D**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**128**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**43,100**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**253**		25.0	"	"	"
Magnesium (7439-95-4)	**15,700**		150	"	"	"
Manganese (7439-96-5)	**848**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,710**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**20,800**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-14 **Station ID: WT-SW-01-F-D**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**3.0**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC

Lab ID: 1710020-14 **Station ID: WT-SW-01-F-D**

Batch: B7K0303 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 10ml; Final Vol: 10ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Prep Dil	Anal Dil	Prepared	Analyzed
Hexavalent Chromium (1854-02-99)	U		0.050	1	1	10/26/17	10/26/17

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-14 **Station ID: WT-SW-01-F-D**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**93.6**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**49,600**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**101**		25.0	"	"	"
Magnesium (7439-95-4)	**13,200**		150	"	"	"
Manganese (7439-96-5)	**9.0**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,330**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**7,430**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**10.1**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

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Wet Chemistry

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**146**		10.0	1	10/27/17	10/27/17

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Hardness by EPA Method 130.2

Lab ID: 1710020-15 **Station ID: WT-SW-03**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**164**		10.0	1	11/08/17	11/08/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710020-16 **Station ID: WT-SW-03-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**93.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**47,500**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**40.2**		25.0	"	"	"
Magnesium (7439-95-4)	**13,300**		150	"	"	"
Manganese (7439-96-5)	**7.7**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,360**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**7,720**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710020-16 **Station ID: WT-SW-03-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**6.1**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710020-16 **Station ID: WT-SW-03-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

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Phone:(281)983-2100 Fax:(281)983-2248

Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**691**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**52.0**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,300**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,350**		25.0	"	"	"
Magnesium (7439-95-4)	**5,350**		150	"	"	"
Manganese (7439-96-5)	**117**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,660**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**169**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

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Wet Chemistry

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**71.2**		10.0	1	10/27/17	10/27/17

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Hardness by EPA Method 130.2

Lab ID: 1710022-01 **Station ID: P1-SW-02**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**62.4**		10.0	1	11/08/17	11/08/17

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Total Cyanide by EPA Method 335.4 - Colorimetric

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7J2521 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 6ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Cyanide(total) (57-12-5)	U		0.0100	1	10/26/17	10/26/17

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Metals by CLP ILMO5.3 - ICP

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7K0204 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	**596**		100	1	11/02/17	12/04/17
Barium (7440-39-3)	**52.1**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**17,200**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**1,360**		25.0	"	"	"
Magnesium (7439-95-4)	**5,300**		150	"	"	"
Manganese (7439-96-5)	**105**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,560**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,300**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals by CLP ILMO5.3 - ICP/MS

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7K0205 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/29/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**172**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals by CLP ILMO5.3 - CVAAS

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7K0807 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/08/17	11/09/17

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Wet Chemistry

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7K1406 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Total Alkalinity (NA)	**71.8**		10.0	1	10/27/17	10/27/17

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Hardness by EPA Method 130.2

Lab ID: 1710022-02 **Station ID: P1-SW-02-D**

Batch: B7K1509 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result mg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Hardness (NA)	**81.2**		10.0	1	11/08/17	11/08/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710022-03 **Station ID: P1-SW-02-F**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**47.1**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	**6.6**		5.0	"	"	"
Calcium (7440-70-2)	**16,400**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**184**		25.0	"	"	"
Magnesium (7439-95-4)	**5,220**		150	"	"	"
Manganese (7439-96-5)	**89.9**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,580**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,600**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	**20.8**		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710022-03 **Station ID: P1-SW-02-F**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**28.0**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710022-03 **Station ID: P1-SW-02-F**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17

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Metals (Dissolved) by CLP ILMO5.3 - ICP

Lab ID: 1710022-04 **Station ID: P1-SW-02-F-D**

Batch: B7K0206 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Aluminum (7429-90-5)	U		100	1	11/02/17	12/07/17
Barium (7440-39-3)	**44.7**		10.0	"	"	"
Beryllium (7440-41-7)	U		5.0	"	"	"
Cadmium (7440-43-9)	U		5.0	"	"	"
Calcium (7440-70-2)	**15,800**		150	"	"	"
Chromium (7440-47-3)	U		10.0	"	"	"
Cobalt (7440-48-4)	U		20.0	"	"	"
Copper (7440-50-8)	U		20.0	"	"	"
Iron (7439-89-6)	**88.5**		25.0	"	"	"
Magnesium (7439-95-4)	**5,050**		150	"	"	"
Manganese (7439-96-5)	**85.8**		5.0	"	"	"
Nickel (7440-02-2)	U		20.0	"	"	"
Potassium (7440-09-7)	**3,450**		1,000	"	"	"
Silver (7440-22-4)	U		10.0	"	"	"
Sodium (7440-23-5)	**13,100**		500	"	"	"
Vanadium (7440-62-2)	U		20.0	"	"	"
Zinc (7440-66-6)	U		20.0	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS

Lab ID: 1710022-04 **Station ID: P1-SW-02-F-D**

Batch: B7K0207 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 50ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Antimony (7440-36-0)	U		2.5	5	11/02/17	11/30/17
Arsenic (7440-38-2)	U		2.5	"	"	"
Lead (7439-92-1)	**17.0**		2.5	"	"	"
Selenium (7782-49-2)	U		5.0	"	"	"
Thallium (7440-28-0)	U		2.5	"	"	"

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS

Lab ID: 1710022-04 **Station ID: P1-SW-02-F-D**

Batch: B7K1305 Date Collected: 10/23/17
Sample Type: Liquid Sample Vol: 25ml Sample Qualifiers:

Targets

Analyte (CAS Number)	Result µg/L	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed	
Mercury (7439-97-6)	U		0.200	1	11/13/17	11/14/17	sm

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK1)

Prepared: 10/18/2017 Analyzed: 10/18/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	9.74		10.0	97.4	86-117
Toluene-d8	9.60		10.0	96.0	85-113
4-Bromofluorobenzene	9.55		10.0	95.5	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK1)

Prepared: 10/18/2017 Analyzed: 10/18/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK2)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	10.5		10.0	105	86-117
Toluene-d8	9.42		10.0	94.2	85-113
4-Bromofluorobenzene	9.29		10.0	92.9	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK2)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK3)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	10.2		10.0	102	86-117
Toluene-d8	9.32		10.0	93.2	85-113
4-Bromofluorobenzene	8.76		10.0	87.6	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Dichlorodifluoromethane	U		1.0
Chloromethane	U		1.0
Vinyl chloride	U		1.0
Bromomethane	U		1.0
Chloroethane	U		1.0
Trichlorofluoromethane	U		1.0
1,1-Dichloroethene	U		1.0
Carbon disulfide	U		1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	U		1.0
Acetone	U		5.0
Methylene chloride	U		2.0
Methyl acetate	U		1.0
trans-1,2-Dichloroethene	U		1.0
cis-1,2-Dichloroethene	U		1.0
Methyl tert-butyl ether	U		1.0
1,1-Dichloroethane	U		1.0
2-Butanone	U		5.0
Chloroform	U		1.0
1,2-Dichloroethane	U		1.0
1,1,1-Trichloroethane	U		1.0
Cyclohexane	U		1.0
Carbon tetrachloride	U		1.0
Benzene	U		1.0
Trichloroethene	U		1.0
Methylcyclohexane	U		1.0

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Blank (B7J1722-BLK3)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
1,2-Dichloropropane	U		1.0
Bromodichloromethane	U		1.0
cis-1,3-Dichloropropene	U		1.0
trans-1,3-Dichloropropene	U		1.0
1,1,2-Trichloroethane	U		1.0
Dibromochloromethane	U		1.0
Bromoform	U		1.0
4-Methyl-2-pentanone	U		5.0
Toluene	U		1.0
Tetrachloroethene	U		1.0
2-Hexanone	U		5.0
1,2-Dibromoethane	U		1.0
Chlorobenzene	U		1.0
Ethylbenzene	U		1.0
meta-/para-Xylene	U		2.0
ortho-Xylene	U		1.0
Styrene	U		1.0
Isopropylbenzene	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0
1,3-Dichlorobenzene	U		1.0
1,4-Dichlorobenzene	U		1.0
1,2-Dichlorobenzene	U		1.0
1,2-Dibromo-3-chloropropane	U		1.0
1,2,4-Trichlorobenzene	U		1.0

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS1)

Prepared: 10/18/2017 Analyzed: 10/18/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	9.96		10.0	99.6	86-117
Toluene-d8	10.0		10.0	100	85-113
4-Bromofluorobenzene	10.1		10.0	101	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	13.5		1.0	10.0	135 #	69-132
Chloromethane	13.1		1.0	10.0	131 #	73-130
Vinyl chloride	10.9		1.0	10.0	109	76-130
Bromomethane	13.5		1.0	10.0	135 #	75-129
Chloroethane	10.2		1.0	10.0	102	75-121
Trichlorofluoromethane	9.3		1.0	10.0	93.1	79-130
1,1-Dichloroethene	8.8		1.0	10.0	87.7	76-127
Carbon disulfide	8.8		1.0	10.0	87.6	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	8.0		1.0	10.0	79.6	79-126
Acetone	11.1		5.0	10.0	111	44-140
Methylene chloride	10.4		2.0	10.0	104	79-122
Methyl acetate	9.9		1.0	10.0	98.8	78-118
trans-1,2-Dichloroethene	9.5		1.0	10.0	94.7	78-123
cis-1,2-Dichloroethene	9.8		1.0	10.0	97.8	80-120
Methyl tert-butyl ether	10.2		1.0	10.0	102	78-124
1,1-Dichloroethane	9.8		1.0	10.0	97.9	80-122
2-Butanone	12.2		5.0	10.0	122	71-127
Chloroform	9.7		1.0	10.0	96.7	81-121
1,2-Dichloroethane	10.5		1.0	10.0	105	80-121
1,1,1-Trichloroethane	9.4		1.0	10.0	94.4	80-120
Cyclohexane	7.7		1.0	10.0	77.4	77-120
Carbon tetrachloride	8.6		1.0	10.0	86.4	78-121
Benzene	9.4		1.0	10.0	94.5	81-119
Trichloroethene	9.8		1.0	10.0	97.8	80-120
Methylcyclohexane	7.6		1.0	10.0	76.2 #	79-122

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS1)

Prepared: 10/18/2017 Analyzed: 10/18/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dichloropropane	10.3		1.0	10.0	103	81-121
Bromodichloromethane	9.4		1.0	10.0	94.4	80-121
cis-1,3-Dichloropropene	9.8		1.0	10.0	97.5	79-119
trans-1,3-Dichloropropene	9.0		1.0	10.0	89.9	78-119
1,1,2-Trichloroethane	10.1		1.0	10.0	101	80-120
Dibromochloromethane	9.4		1.0	10.0	94.1	80-118
Bromoform	9.8		1.0	10.0	98.3	79-119
4-Methyl-2-pentanone	10.4		5.0	10.0	104	77-121
Toluene	9.8		1.0	10.0	97.7	81-118
Tetrachloroethene	9.0		1.0	10.0	90.0	80-120
2-Hexanone	10.6		5.0	10.0	106	77-122
1,2-Dibromoethane	10.1		1.0	10.0	101	81-118
Chlorobenzene	9.8		1.0	10.0	98.1	81-118
Ethylbenzene	9.6		1.0	10.0	95.8	80-118
meta-/para-Xylene	19.3		2.0	20.0	96.4	81-117
ortho-Xylene	9.7		1.0	10.0	96.8	81-118
Styrene	10.0		1.0	10.0	99.8	79-118
Isopropylbenzene	9.6		1.0	10.0	95.8	74-124
1,1,2,2-Tetrachloroethane	10.6		1.0	10.0	106	79-119
1,3-Dichlorobenzene	9.8		1.0	10.0	97.6	81-118
1,4-Dichlorobenzene	9.9		1.0	10.0	98.7	80-117
1,2-Dichlorobenzene	9.9		1.0	10.0	98.6	79-119
1,2-Dibromo-3-chloropropane	10.1		1.0	10.0	101	77-123
1,2,4-Trichlorobenzene	10.3		1.0	10.0	103	78-128

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS2)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	10.8		10.0	108	86-117
Toluene-d8	9.67		10.0	96.7	85-113
4-Bromofluorobenzene	9.79		10.0	97.9	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	7.0		1.0	10.0	69.6	69-132
Chloromethane	9.7		1.0	10.0	96.8	73-130
Vinyl chloride	10.2		1.0	10.0	102	76-130
Bromomethane	9.8		1.0	10.0	98.3	75-129
Chloroethane	10.5		1.0	10.0	105	75-121
Trichlorofluoromethane	10.3		1.0	10.0	103	79-130
1,1-Dichloroethene	11.2		1.0	10.0	112	76-127
Carbon disulfide	11.8		1.0	10.0	118	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	10.8		1.0	10.0	108	79-126
Acetone	10.3		5.0	10.0	103	44-140
Methylene chloride	10.3		2.0	10.0	103	79-122
Methyl acetate	9.8		1.0	10.0	97.5	78-118
trans-1,2-Dichloroethene	11.5		1.0	10.0	115	78-123
cis-1,2-Dichloroethene	10.4		1.0	10.0	104	80-120
Methyl tert-butyl ether	10.3		1.0	10.0	103	78-124
1,1-Dichloroethane	10.7		1.0	10.0	107	80-122
2-Butanone	8.6		5.0	10.0	86.2	71-127
Chloroform	10.3		1.0	10.0	103	81-121
1,2-Dichloroethane	9.9		1.0	10.0	98.6	80-121
1,1,1-Trichloroethane	10.3		1.0	10.0	103	80-120
Cyclohexane	11.2		1.0	10.0	112	77-120
Carbon tetrachloride	11.2		1.0	10.0	112	78-121
Benzene	10.3		1.0	10.0	103	81-119
Trichloroethene	10.4		1.0	10.0	104	80-120
Methylcyclohexane	11.2		1.0	10.0	112	79-122

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS2)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dichloropropane	9.4		1.0	10.0	94.5	81-121
Bromodichloromethane	10.0		1.0	10.0	99.5	80-121
cis-1,3-Dichloropropene	9.4		1.0	10.0	93.5	79-119
trans-1,3-Dichloropropene	10.4		1.0	10.0	104	78-119
1,1,2-Trichloroethane	9.6		1.0	10.0	96.5	80-120
Dibromochloromethane	9.9		1.0	10.0	99.2	80-118
Bromoform	9.3		1.0	10.0	93.2	79-119
4-Methyl-2-pentanone	8.6		5.0	10.0	86.4	77-121
Toluene	9.6		1.0	10.0	95.6	81-118
Tetrachloroethene	10.5		1.0	10.0	105	80-120
2-Hexanone	9.0		5.0	10.0	90.4	77-122
1,2-Dibromoethane	9.1		1.0	10.0	91.0	81-118
Chlorobenzene	9.4		1.0	10.0	94.2	81-118
Ethylbenzene	9.9		1.0	10.0	99.3	80-118
meta-/para-Xylene	19.1		2.0	20.0	95.6	81-117
ortho-Xylene	9.6		1.0	10.0	96.2	81-118
Styrene	9.2		1.0	10.0	92.2	79-118
Isopropylbenzene	10.0		1.0	10.0	99.7	74-124
1,1,2,2-Tetrachloroethane	8.5		1.0	10.0	84.7	79-119
1,3-Dichlorobenzene	9.6		1.0	10.0	95.7	81-118
1,4-Dichlorobenzene	9.2		1.0	10.0	92.3	80-117
1,2-Dichlorobenzene	8.9		1.0	10.0	89.1	79-119
1,2-Dibromo-3-chloropropane	9.4		1.0	10.0	93.7	77-123
1,2,4-Trichlorobenzene	9.3		1.0	10.0	92.9	78-128

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS3)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	9.87		10.0	98.7	86-117
Toluene-d8	10.2		10.0	102	85-113
4-Bromofluorobenzene	9.91		10.0	99.1	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dichlorodifluoromethane	14.6		1.0	10.0	146 #	69-132
Chloromethane	11.9		1.0	10.0	119	73-130
Vinyl chloride	12.0		1.0	10.0	120	76-130
Bromomethane	10.4		1.0	10.0	104	75-129
Chloroethane	11.0		1.0	10.0	110	75-121
Trichlorofluoromethane	10.9		1.0	10.0	109	79-130
1,1-Dichloroethene	9.9		1.0	10.0	99.0	76-127
Carbon disulfide	9.5		1.0	10.0	95.3	74-122
1,1,2-Trichloro-1,2,2-trifluoroethane	10.7		1.0	10.0	107	79-126
Acetone	9.3		5.0	10.0	92.9	44-140
Methylene chloride	10.1		2.0	10.0	101	79-122
Methyl acetate	9.9		1.0	10.0	99.0	78-118
trans-1,2-Dichloroethene	9.7		1.0	10.0	97.3	78-123
cis-1,2-Dichloroethene	9.6		1.0	10.0	95.6	80-120
Methyl tert-butyl ether	9.3		1.0	10.0	92.8	78-124
1,1-Dichloroethane	9.4		1.0	10.0	93.5	80-122
2-Butanone	9.6		5.0	10.0	96.5	71-127
Chloroform	9.7		1.0	10.0	97.0	81-121
1,2-Dichloroethane	9.8		1.0	10.0	98.4	80-121
1,1,1-Trichloroethane	10.0		1.0	10.0	100	80-120
Cyclohexane	10.0		1.0	10.0	100	77-120
Carbon tetrachloride	9.8		1.0	10.0	98.3	78-121
Benzene	9.5		1.0	10.0	94.7	81-119
Trichloroethene	9.6		1.0	10.0	96.2	80-120
Methylcyclohexane	9.7		1.0	10.0	97.2	79-122

Environmental Protection Agency

Region 6 Laboratory

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

LCS (B7J1722-BS3)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dichloropropane	9.9		1.0	10.0	98.8	81-121
Bromodichloromethane	9.1		1.0	10.0	90.7	80-121
cis-1,3-Dichloropropene	9.3		1.0	10.0	93.4	79-119
trans-1,3-Dichloropropene	8.7		1.0	10.0	87.2	78-119
1,1,2-Trichloroethane	9.5		1.0	10.0	95.4	80-120
Dibromochloromethane	9.4		1.0	10.0	93.5	80-118
Bromoform	9.4		1.0	10.0	94.5	79-119
4-Methyl-2-pentanone	9.4		5.0	10.0	94.0	77-121
Toluene	9.5		1.0	10.0	94.8	81-118
Tetrachloroethene	9.4		1.0	10.0	94.5	80-120
2-Hexanone	9.5		5.0	10.0	94.8	77-122
1,2-Dibromoethane	9.8		1.0	10.0	98.3	81-118
Chlorobenzene	9.5		1.0	10.0	94.8	81-118
Ethylbenzene	9.4		1.0	10.0	93.9	80-118
meta-/para-Xylene	18.9		2.0	20.0	94.6	81-117
ortho-Xylene	9.4		1.0	10.0	93.6	81-118
Styrene	9.5		1.0	10.0	94.8	79-118
Isopropylbenzene	9.5		1.0	10.0	94.6	74-124
1,1,2,2-Tetrachloroethane	9.7		1.0	10.0	97.4	79-119
1,3-Dichlorobenzene	9.4		1.0	10.0	93.9	81-118
1,4-Dichlorobenzene	9.3		1.0	10.0	93.1	80-117
1,2-Dichlorobenzene	9.5		1.0	10.0	94.6	79-119
1,2-Dibromo-3-chloropropane	8.7		1.0	10.0	86.8	77-123
1,2,4-Trichlorobenzene	9.3		1.0	10.0	93.3	78-128

Environmental Protection Agency

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Matrix Spike (B7J1722-MS1)

Source: 1710008-06 Prepared: 10/18/2017 Analyzed: 10/18/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	9.71		10.0	97.1	86-117
Toluene-d8	9.85		10.0	98.5	85-113
4-Bromofluorobenzene	9.97		10.0	99.7	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,1-Dichloroethene	11.1		1.0	10.0		111	72-134
Benzene	10.7		1.0	10.0		107	79-122
Trichloroethene	11.1		1.0	10.0		111	79-126
Toluene	10.8		1.0	10.0		108	81-122
Chlorobenzene	10.9		1.0	10.0		109	82-121

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Matrix Spike Dup (B7J1722-MSD1)

Source: 1710008-06 Prepared: 10/18/2017 Analyzed: 10/18/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	10.1		10.0	101	86-117
Toluene-d8	9.87		10.0	98.7	85-113
4-Bromofluorobenzene	10.1		10.0	101	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1-Dichloroethene	12.0		1.0	10.0		120	72-134	7.52	21
Benzene	11.5		1.0	10.0		115	79-122	6.67	16
Trichloroethene	12.0		1.0	10.0		120	79-126	7.94	14
Toluene	11.7		1.0	10.0		117	81-122	7.89	13
Chlorobenzene	11.3		1.0	10.0		113	82-121	3.97	10

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Matrix Spike (B7J1722-MS2)

Source: 1710013-18 Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	11.1		10.0	111	86-117
Toluene-d8	9.87		10.0	98.7	85-113
4-Bromofluorobenzene	9.90		10.0	99.0	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,1-Dichloroethene	11.9		1.0	10.0		119	72-134
Benzene	11.6		1.0	10.0		116	79-122
Trichloroethene	11.4		1.0	10.0		114	79-126
Toluene	10.7		1.0	10.0		107	81-122
Chlorobenzene	10.6		1.0	10.0		106	82-121

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Volatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1722 **Sample Type: Liquid**

Matrix Spike Dup (B7J1722-MSD2)

Source: 1710013-18 Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
1,2-Dichloroethane-d4	10.8		10.0	108	86-117
Toluene-d8	9.91		10.0	99.1	85-113
4-Bromofluorobenzene	9.76		10.0	97.6	73-115

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,1-Dichloroethene	13.0		1.0	10.0		130	72-134	8.67	21
Benzene	11.7		1.0	10.0		117	79-122	1.20	16
Trichloroethene	11.6		1.0	10.0		116	79-126	0.87	14
Toluene	10.9		1.0	10.0		109	81-122	1.39	13
Chlorobenzene	10.9		1.0	10.0		109	82-121	2.23	10

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Environmental Protection Agency

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Blank (B7J1903-BLK1)

Prepared: 10/19/2017 Analyzed: 11/7/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.42		7.50	85.6	42-109
Phenol-d5	6.38		7.50	85.1	46-110
2-Chlorophenol-d4	6.47		7.50	86.3	47-103
1,2-Dichlorobenzene-d4	3.68		5.00	73.6	33-100
Nitrobenzene-d5	4.25		5.00	85.0	42-126
2-Fluorobiphenyl	4.03		5.00	80.6	50-104
2,4,6-Tribromophenol	7.28		7.50	97.1	59-142
Terphenyl-d14	5.05		5.00	101	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Benzaldehyde	U		2.0
Phenol	U		2.0
Bis(2-chloroethyl)ether	U		2.0
2-Chlorophenol	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
Benzyl alcohol	U		2.0
1,2-Dichlorobenzene	U		2.0
2-Methylphenol	U		2.0
Bis(2-chloro-1-methylethyl)ether	U		2.0
Acetophenone	U		2.0
3 &/or 4-Methylphenol	U		2.0
N-Nitrosodi-n-propylamine	U		2.0
Hexachloroethane	U		2.0
Nitrobenzene	U		2.0
Isophorone	U		2.0
2-Nitrophenol	U		2.0
2,4-Dimethylphenol	U		2.0
Bis(2-chloroethoxy)methane	U		2.0
2,4-Dichlorophenol	U		2.0
1,2,4-Trichlorobenzene	U		2.0

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Blank (B7J1903-BLK1)

Prepared: 10/19/2017 Analyzed: 11/7/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.5
4-Chloroaniline	U		2.0
Hexachlorobutadiene	U		2.0
Caprolactam	U		2.0
4-Chloro-3-methylphenol	U		2.0
2-Methylnaphthalene	U		0.5
1-Methylnaphthalene	U		0.5
Hexachlorocyclopentadiene	U		2.0
2,4,6-Trichlorophenol	U		2.0
2,4,5-Trichlorophenol	U		2.0
2-Chloronaphthalene	U		2.0
1,1'-Biphenyl	U		2.0
2-Nitroaniline	U		4.0
Dimethyl phthalate	U		2.0
Acenaphthylene	U		0.5
2,6-Dinitrotoluene	U		2.0
3-Nitroaniline	U		4.0
Acenaphthene	U		0.5
2,4-Dinitrophenol	U		10.0
4-Nitrophenol	U		6.0
Dibenzofuran	U		2.0
2,4-Dinitrotoluene	U		2.0
Fluorene	U		0.5
Diethyl phthalate	U		2.0
4-Chlorophenyl phenyl ether	U		2.0
4-Nitroaniline	U		4.0
4,6-Dinitro-2-methylphenol	U		10.0
N-Nitrosodiphenylamine/Diphenylamine	U		2.0
4-Bromophenyl phenyl ether	U		2.0
Hexachlorobenzene	U		1.0
Atrazine	U		2.0
Pentachlorophenol	U		1.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Blank (B7J1903-BLK1)

Prepared: 10/19/2017 Analyzed: 11/7/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Phenanthrene	U		0.5
Anthracene	U		0.5
Carbazole	U		2.0
Di-n-butyl phthalate	U		2.0
Fluoranthene	U		0.5
Pyrene	U		0.5
Butyl benzyl phthalate	U		2.0
Benzo (a) anthracene	U		2.0
3,3′-Dichlorobenzidine	U		2.0
Chrysene	U		2.0
Bis(2-ethylhexyl)phthalate	U		2.0
Di-n-octyl phthalate	U		2.0
Benzo (b) fluoranthene	U		2.0
Benzo (k) fluoranthene	U		2.0
Benzo (a) pyrene	U		0.2
Indeno (1,2,3-cd) pyrene	U		2.0
Dibenz (a,h) anthracene	U		2.0
Benzo (g,h,i) perylene	U		2.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

LCS (B7J1903-BS1)

Prepared: 10/19/2017 Analyzed: 11/7/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	7.58		7.50	101	42-109
Phenol-d5	7.61		7.50	101	46-110
2-Chlorophenol-d4	7.71		7.50	103	47-103
1,2-Dichlorobenzene-d4	4.26		5.00	85.2	33-100
Nitrobenzene-d5	4.93		5.00	98.6	42-126
2-Fluorobiphenyl	4.74		5.00	94.8	50-104
2,4,6-Tribromophenol	8.16		7.50	109	59-142
Terphenyl-d14	5.17		5.00	103	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Phenol	6.8		2.0	7.25	94.1	60-116
2-Chlorophenol	7.0		2.0	7.25	97.1	64-116
1,4-Dichlorobenzene	3.8		2.0	5.00	75.9	35-100
N-Nitrosodi-n-propylamine	5.1		2.0	5.00	101	65-118
1,2,4-Trichlorobenzene	4.1		2.0	5.00	83.0	42-103
4-Chloro-3-methylphenol	7.1		2.0	7.25	97.7	63-117
Acenaphthene	4.7		0.5	5.00	94.8	63-112
4-Nitrophenol	9.2		6.0	7.25	127	49-137
2,4-Dinitrotoluene	5.2		2.0	5.00	105	59-120
Pentachlorophenol	6.4		1.0	7.25	88.1	46-133
Pyrene	4.0		0.5	5.00	80.5	59-131

Environmental Protection Agency

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Matrix Spike (B7J1903-MS1)

Source: 1710008-06 Prepared: 10/19/2017 Analyzed: 11/7/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.06		7.20	84.1	42-109
Phenol-d5	5.85		7.20	81.2	46-110
2-Chlorophenol-d4	6.23		7.20	86.5	47-103
1,2-Dichlorobenzene-d4	3.33		4.80	69.4	33-100
Nitrobenzene-d5	4.15		4.80	86.4	42-126
2-Fluorobiphenyl	3.91		4.80	81.4	50-104
2,4,6-Tribromophenol	7.03		7.20	97.6	59-142
Terphenyl-d14	3.98		4.80	82.8	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Phenol	5.5		1.9	6.96	0.03	78.3	41-114
2-Chlorophenol	5.8		1.9	6.96		83.4	46-114
1,4-Dichlorobenzene	2.9		1.9	4.80		59.4	34-100
N-Nitrosodi-n-propylamine	4.1		1.9	4.80		86.2	50-116
1,2,4-Trichlorobenzene	3.1		1.9	4.80		65.1	38-106
4-Chloro-3-methylphenol	6.1		1.9	6.96		87.4	44-137
Acenaphthene	4.0		0.5	4.80		82.8	41-131
4-Nitrophenol	8.0		5.8	6.96		115	39-152
2,4-Dinitrotoluene	4.8		1.9	4.80		101	57-123
Pentachlorophenol	7.3		1.0	6.96	0.4	100	55-146
Pyrene	3.5		0.5	4.80		73.1	54-133

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Matrix Spike Dup (B7J1903-MSD1)

Source: 1710008-06 Prepared: 10/19/2017 Analyzed: 11/7/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.23		7.14	87.2	42-109
Phenol-d5	5.97		7.14	83.6	46-110
2-Chlorophenol-d4	6.21		7.14	86.9	47-103
1,2-Dichlorobenzene-d4	3.57		4.76	75.0	33-100
Nitrobenzene-d5	4.35		4.76	91.4	42-126
2-Fluorobiphenyl	3.85		4.76	80.8	50-104
2,4,6-Tribromophenol	7.42		7.14	104	59-142
Terphenyl-d14	4.77		4.76	100	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Phenol	5.4		1.9	6.90	0.03	78.0	41-114	0.36	32
2-Chlorophenol	5.8		1.9	6.90		83.6	46-114	0.13	27
1,4-Dichlorobenzene	3.1		1.9	4.76		64.4	34-100	7.98	32
N-Nitrosodi-n-propylamine	4.1		1.9	4.76		86.5	50-116	0.28	29
1,2,4-Trichlorobenzene	3.4		1.9	4.76		72.1	38-106	10.2	26
4-Chloro-3-methylphenol	6.0		1.9	6.90		86.2	44-137	1.37	30
Acenaphthene	3.8		0.5	4.76		80.1	41-131	3.24	33
4-Nitrophenol	7.2		5.7	6.90		104	39-152	10.2	34
2,4-Dinitrotoluene	4.5		1.9	4.76		94.8	57-123	5.90	16
Pentachlorophenol	7.4		1.0	6.90	0.4	103	55-146	2.24	21
Pyrene	4.0		0.5	4.76		83.3	54-133	13.0	21

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

Blank (B7J1906-BLK1)

Prepared: 10/20/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.48		7.50	86.4	42-109
Phenol-d5	6.36		7.50	84.8	46-110
2-Chlorophenol-d4	6.61		7.50	88.1	47-103
1,2-Dichlorobenzene-d4	3.69		5.00	73.8	33-100
Nitrobenzene-d5	4.40		5.00	88.0	42-126
2-Fluorobiphenyl	4.05		5.00	81.0	50-104
2,4,6-Tribromophenol	7.42		7.50	98.9	59-142
Terphenyl-d14	5.44		5.00	109	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Benzaldehyde	U		2.0
Phenol	U		2.0
Bis(2-chloroethyl)ether	U		2.0
2-Chlorophenol	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
Benzyl alcohol	U		2.0
1,2-Dichlorobenzene	U		2.0
2-Methylphenol	U		2.0
Bis(2-chloro-1-methylethyl)ether	U		2.0
Acetophenone	U		2.0
3 &/or 4-Methylphenol	U		2.0
N-Nitrosodi-n-propylamine	U		2.0
Hexachloroethane	U		2.0
Nitrobenzene	U		2.0
Isophorone	U		2.0
2-Nitrophenol	U		2.0
2,4-Dimethylphenol	U		2.0
Bis(2-chloroethoxy)methane	U		2.0
2,4-Dichlorophenol	U		2.0
1,2,4-Trichlorobenzene	U		2.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

Blank (B7J1906-BLK1)

Prepared: 10/20/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.5
4-Chloroaniline	U		2.0
Hexachlorobutadiene	U		2.0
Caprolactam	U		2.0
4-Chloro-3-methylphenol	U		2.0
2-Methylnaphthalene	U		0.5
1-Methylnaphthalene	U		0.5
Hexachlorocyclopentadiene	U		2.0
2,4,6-Trichlorophenol	U		2.0
2,4,5-Trichlorophenol	U		2.0
2-Chloronaphthalene	U		2.0
1,1'-Biphenyl	U		2.0
2-Nitroaniline	U		4.0
Dimethyl phthalate	U		2.0
Acenaphthylene	U		0.5
2,6-Dinitrotoluene	U		2.0
3-Nitroaniline	U		4.0
Acenaphthene	U		0.5
2,4-Dinitrophenol	U		10.0
4-Nitrophenol	U		6.0
Dibenzofuran	U		2.0
2,4-Dinitrotoluene	U		2.0
Fluorene	U		0.5
Diethyl phthalate	U		2.0
4-Chlorophenyl phenyl ether	U		2.0
4-Nitroaniline	U		4.0
4,6-Dinitro-2-methylphenol	U		10.0
N-Nitrosodiphenylamine/Diphenylamine	U		2.0
4-Bromophenyl phenyl ether	U		2.0
Hexachlorobenzene	U		1.0
Atrazine	U		2.0
Pentachlorophenol	U		1.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

Blank (B7J1906-BLK1)

Prepared: 10/20/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Phenanthrene	U		0.5
Anthracene	U		0.5
Carbazole	U		2.0
Di-n-butyl phthalate	U		2.0
Fluoranthene	U		0.5
Pyrene	U		0.5
Butyl benzyl phthalate	U		2.0
Benzo (a) anthracene	U		2.0
3,3′-Dichlorobenzidine	U		2.0
Chrysene	U		2.0
Bis(2-ethylhexyl)phthalate	U		2.0
Di-n-octyl phthalate	U		2.0
Benzo (b) fluoranthene	U		2.0
Benzo (k) fluoranthene	U		2.0
Benzo (a) pyrene	U		0.2
Indeno (1,2,3-cd) pyrene	U		2.0
Dibenz (a,h) anthracene	U		2.0
Benzo (g,h,i) perylene	U		2.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

LCS (B7J1906-BS1)

Prepared: 10/20/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.56		7.50	87.5	42-109
Phenol-d5	7.02		7.50	93.6	46-110
2-Chlorophenol-d4	7.05		7.50	94.0	47-103
1,2-Dichlorobenzene-d4	4.06		5.00	81.2	33-100
Nitrobenzene-d5	5.12		5.00	102	42-126
2-Fluorobiphenyl	4.57		5.00	91.4	50-104
2,4,6-Tribromophenol	6.14		7.50	81.9	59-142
Terphenyl-d14	5.24		5.00	105	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Phenol	6.5		2.0	7.25	89.6	60-116
2-Chlorophenol	6.4		2.0	7.25	88.2	64-116
1,4-Dichlorobenzene	3.5		2.0	5.00	70.7	35-100
N-Nitrosodi-n-propylamine	5.3		2.0	5.00	105	65-118
1,2,4-Trichlorobenzene	4.0		2.0	5.00	79.4	42-103
4-Chloro-3-methylphenol	6.4		2.0	7.25	88.6	63-117
Acenaphthene	4.7		0.5	5.00	94.7	63-112
4-Nitrophenol	9.4		6.0	7.25	129	49-137
2,4-Dinitrotoluene	5.3		2.0	5.00	106	59-120
Pentachlorophenol	7.6		1.0	7.25	105	46-133
Pyrene	4.4		0.5	5.00	87.6	59-131

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Blank (B7J2408-BLK1)

Prepared: 10/24/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.49		7.50	86.5	42-109
Phenol-d5	6.41		7.50	85.5	46-110
2-Chlorophenol-d4	6.65		7.50	88.7	47-103
1,2-Dichlorobenzene-d4	3.71		5.00	74.2	33-100
Nitrobenzene-d5	4.56		5.00	91.2	42-126
2-Fluorobiphenyl	4.02		5.00	80.4	50-104
2,4,6-Tribromophenol	7.72		7.50	103	59-142
Terphenyl-d14	5.36		5.00	107	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Benzaldehyde	U		2.0
Phenol	U		2.0
Bis(2-chloroethyl)ether	U		2.0
2-Chlorophenol	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
Benzyl alcohol	U		2.0
1,2-Dichlorobenzene	U		2.0
2-Methylphenol	U		2.0
Bis(2-chloro-1-methylethyl)ether	U		2.0
Acetophenone	U		2.0
3 &/or 4-Methylphenol	U		2.0
N-Nitrosodi-n-propylamine	U		2.0
Hexachloroethane	U		2.0
Nitrobenzene	U		2.0
Isophorone	U		2.0
2-Nitrophenol	U		2.0
2,4-Dimethylphenol	U		2.0
Bis(2-chloroethoxy)methane	U		2.0
2,4-Dichlorophenol	U		2.0
1,2,4-Trichlorobenzene	U		2.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Blank (B7J2408-BLK1)

Prepared: 10/24/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.5
4-Chloroaniline	U		2.0
Hexachlorobutadiene	U		2.0
Caprolactam	U		2.0
4-Chloro-3-methylphenol	U		2.0
2-Methylnaphthalene	U		0.5
1-Methylnaphthalene	U		0.5
Hexachlorocyclopentadiene	U		2.0
2,4,6-Trichlorophenol	U		2.0
2,4,5-Trichlorophenol	U		2.0
2-Chloronaphthalene	U		2.0
1,1'-Biphenyl	U		2.0
2-Nitroaniline	U		4.0
Dimethyl phthalate	U		2.0
Acenaphthylene	U		0.5
2,6-Dinitrotoluene	U		2.0
3-Nitroaniline	U		4.0
Acenaphthene	U		0.5
2,4-Dinitrophenol	U		10.0
4-Nitrophenol	U		6.0
Dibenzofuran	U		2.0
2,4-Dinitrotoluene	U		2.0
Fluorene	U		0.5
Diethyl phthalate	U		2.0
4-Chlorophenyl phenyl ether	U		2.0
4-Nitroaniline	U		4.0
4,6-Dinitro-2-methylphenol	U		10.0
N-Nitrosodiphenylamine/Diphenylamine	U		2.0
4-Bromophenyl phenyl ether	U		2.0
Hexachlorobenzene	U		1.0
Atrazine	U		2.0
Pentachlorophenol	U		1.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Blank (B7J2408-BLK1)

Prepared: 10/24/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Phenanthrene	U		0.5
Anthracene	U		0.5
Carbazole	U		2.0
Di-n-butyl phthalate	U		2.0
Fluoranthene	U		0.5
Pyrene	U		0.5
Butyl benzyl phthalate	U		2.0
Benzo (a) anthracene	U		2.0
3,3′-Dichlorobenzidine	U		2.0
Chrysene	U		2.0
Bis(2-ethylhexyl)phthalate	U		2.0
Di-n-octyl phthalate	U		2.0
Benzo (b) fluoranthene	U		2.0
Benzo (k) fluoranthene	U		2.0
Benzo (a) pyrene	U		0.2
Indeno (1,2,3-cd) pyrene	U		2.0
Dibenz (a,h) anthracene	U		2.0
Benzo (g,h,i) perylene	U		2.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

LCS (B7J2408-BS1)

Prepared: 10/24/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	7.48		7.50	99.7	42-109
Phenol-d5	7.43		7.50	99.1	46-110
2-Chlorophenol-d4	7.65		7.50	102	47-103
1,2-Dichlorobenzene-d4	4.09		5.00	81.8	33-100
Nitrobenzene-d5	5.21		5.00	104	42-126
2-Fluorobiphenyl	4.61		5.00	92.2	50-104
2,4,6-Tribromophenol	7.98		7.50	106	59-142
Terphenyl-d14	5.44		5.00	109	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Phenol	7.0		2.0	7.25	96.4	60-116
2-Chlorophenol	7.0		2.0	7.25	96.5	64-116
1,4-Dichlorobenzene	3.6		2.0	5.00	71.3	35-100
N-Nitrosodi-n-propylamine	5.3		2.0	5.00	105	65-118
1,2,4-Trichlorobenzene	4.0		2.0	5.00	80.0	42-103
4-Chloro-3-methylphenol	7.3		2.0	7.25	100	63-117
Acenaphthene	4.8		0.5	5.00	95.1	63-112
4-Nitrophenol	9.3		6.0	7.25	129	49-137
2,4-Dinitrotoluene	5.4		2.0	5.00	108	59-120
Pentachlorophenol	7.6		1.0	7.25	105	46-133
Pyrene	4.5		0.5	5.00	90.5	59-131

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Matrix Spike (B7J2408-MS1)

Source: 1710018-09 Prepared: 10/24/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.56		7.14	77.9	42-109
Phenol-d5	5.35		7.14	74.9	46-110
2-Chlorophenol-d4	5.72		7.14	80.1	47-103
1,2-Dichlorobenzene-d4	3.50		4.76	73.6	33-100
Nitrobenzene-d5	4.17		4.76	87.6	42-126
2-Fluorobiphenyl	3.60		4.76	75.6	50-104
2,4,6-Tribromophenol	5.77		7.14	80.8	59-142
Terphenyl-d14	4.95		4.76	104	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Phenol	5.0		1.9	6.90	0.02	72.2	41-114
2-Chlorophenol	5.2		1.9	6.90		76.1	46-114
1,4-Dichlorobenzene	2.9		1.9	4.76		60.8	34-100
N-Nitrosodi-n-propylamine	3.9		1.9	4.76		82.5	50-116
1,2,4-Trichlorobenzene	3.2		1.9	4.76		66.8	38-106
4-Chloro-3-methylphenol	5.1		1.9	6.90		74.5	44-137
Acenaphthene	3.4		0.5	4.76		71.2	41-131
4-Nitrophenol	7.1		5.7	6.90		103	39-152
2,4-Dinitrotoluene	4.3		1.9	4.76		89.9	57-123
Pentachlorophenol	7.1		1.0	6.90	0.3	98.6	55-146
Pyrene	3.9		0.5	4.76		81.9	54-133

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Matrix Spike Dup (B7J2408-MSD1)

Source: 1710018-09 Prepared: 10/24/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	4.38		7.16	61.2	42-109
Phenol-d5	4.06		7.16	56.7	46-110
2-Chlorophenol-d4	4.54		7.16	63.5	47-103
1,2-Dichlorobenzene-d4	2.77		4.77	58.0	33-100
Nitrobenzene-d5	3.39		4.77	71.0	42-126
2-Fluorobiphenyl	2.82		4.77	59.2	50-104
2,4,6-Tribromophenol	4.55		7.16	63.6	59-142
Terphenyl-d14	4.11		4.77	86.2	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Phenol	3.9		1.9	6.92	0.02	55.5	41-114	26.1	32
2-Chlorophenol	4.2		1.9	6.92		60.5	46-114	22.8	27
1,4-Dichlorobenzene	2.4		1.9	4.77		50.6	34-100	18.4	32
N-Nitrosodi-n-propylamine	3.1		1.9	4.77		65.4	50-116	23.1	29
1,2,4-Trichlorobenzene	2.6		1.9	4.77		55.5	38-106	18.5	26
4-Chloro-3-methylphenol	4.1		1.9	6.92		59.2	44-137	22.8	30
Acenaphthene	2.8		0.5	4.77		57.6	41-131	21.1	33
4-Nitrophenol	5.7		5.7	6.92		82.6	39-152	21.6	34
2,4-Dinitrotoluene	3.4		1.9	4.77		71.4	57-123	22.9 #	16
Pentachlorophenol	5.9		1.0	6.92	0.3	79.8	55-146	21.0	21
Pyrene	3.4		0.5	4.77		70.4	54-133	15.2	21

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

Blank (B7J2515-BLK1)

Prepared: 10/25/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.44		7.50	72.5	42-109
Phenol-d5	5.57		7.50	74.3	46-110
2-Chlorophenol-d4	5.62		7.50	74.9	47-103
1,2-Dichlorobenzene-d4	3.28		5.00	65.6	33-100
Nitrobenzene-d5	3.83		5.00	76.6	42-126
2-Fluorobiphenyl	3.46		5.00	69.2	50-104
2,4,6-Tribromophenol	6.68		7.50	89.1	59-142
Terphenyl-d14	5.20		5.00	104	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Benzaldehyde	U		2.0
Phenol	U		2.0
Bis(2-chloroethyl)ether	U		2.0
2-Chlorophenol	U		2.0
1,3-Dichlorobenzene	U		2.0
1,4-Dichlorobenzene	U		2.0
Benzyl alcohol	U		2.0
1,2-Dichlorobenzene	U		2.0
2-Methylphenol	U		2.0
Bis(2-chloro-1-methylethyl)ether	U		2.0
Acetophenone	U		2.0
3 &/or 4-Methylphenol	U		2.0
N-Nitrosodi-n-propylamine	U		2.0
Hexachloroethane	U		2.0
Nitrobenzene	U		2.0
Isophorone	U		2.0
2-Nitrophenol	U		2.0
2,4-Dimethylphenol	U		2.0
Bis(2-chloroethoxy)methane	U		2.0
2,4-Dichlorophenol	U		2.0
1,2,4-Trichlorobenzene	U		2.0

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

Blank (B7J2515-BLK1)

Prepared: 10/25/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.5
4-Chloroaniline	U		2.0
Hexachlorobutadiene	U		2.0
Caprolactam	U		2.0
4-Chloro-3-methylphenol	U		2.0
2-Methylnaphthalene	U		0.5
1-Methylnaphthalene	U		0.5
Hexachlorocyclopentadiene	U		2.0
2,4,6-Trichlorophenol	U		2.0
2,4,5-Trichlorophenol	U		2.0
2-Chloronaphthalene	U		2.0
1,1'-Biphenyl	U		2.0
2-Nitroaniline	U		4.0
Dimethyl phthalate	U		2.0
Acenaphthylene	U		0.5
2,6-Dinitrotoluene	U		2.0
3-Nitroaniline	U		4.0
Acenaphthene	U		0.5
2,4-Dinitrophenol	U		10.0
4-Nitrophenol	U		6.0
Dibenzofuran	U		2.0
2,4-Dinitrotoluene	U		2.0
Fluorene	U		0.5
Diethyl phthalate	U		2.0
4-Chlorophenyl phenyl ether	U		2.0
4-Nitroaniline	U		4.0
4,6-Dinitro-2-methylphenol	U		10.0
N-Nitrosodiphenylamine/Diphenylamine	U		2.0
4-Bromophenyl phenyl ether	U		2.0
Hexachlorobenzene	U		1.0
Atrazine	U		2.0
Pentachlorophenol	U		1.0

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

Blank (B7J2515-BLK1)

Prepared: 10/25/2017 Analyzed: 11/8/2017

Targets (Continued)

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Phenanthrene	U		0.5
Anthracene	U		0.5
Carbazole	U		2.0
Di-n-butyl phthalate	U		2.0
Fluoranthene	U		0.5
Pyrene	U		0.5
Butyl benzyl phthalate	U		2.0
Benzo (a) anthracene	U		2.0
3,3′-Dichlorobenzidine	U		2.0
Chrysene	U		2.0
Bis(2-ethylhexyl)phthalate	U		2.0
Di-n-octyl phthalate	U		2.0
Benzo (b) fluoranthene	U		2.0
Benzo (k) fluoranthene	U		2.0
Benzo (a) pyrene	U		0.2
Indeno (1,2,3-cd) pyrene	U		2.0
Dibenz (a,h) anthracene	U		2.0
Benzo (g,h,i) perylene	U		2.0

Environmental Protection Agency

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Semivolatiles by CLP OLM04.2 - GC/MS (Low Level) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

LCS (B7J2515-BS1)

Prepared: 10/25/2017 Analyzed: 11/8/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	7.24		7.50	96.5	42-109
Phenol-d5	7.24		7.50	96.5	46-110
2-Chlorophenol-d4	7.29		7.50	97.2	47-103
1,2-Dichlorobenzene-d4	4.06		5.00	81.2	33-100
Nitrobenzene-d5	5.23		5.00	105	42-126
2-Fluorobiphenyl	4.51		5.00	90.2	50-104
2,4,6-Tribromophenol	7.61		7.50	101	59-142
Terphenyl-d14	5.44		5.00	109	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Phenol	6.8		2.0	7.25	94.0	60-116
2-Chlorophenol	6.8		2.0	7.25	94.4	64-116
1,4-Dichlorobenzene	3.8		2.0	5.00	75.0	35-100
N-Nitrosodi-n-propylamine	5.0		2.0	5.00	100	65-118
1,2,4-Trichlorobenzene	4.3		2.0	5.00	85.2	42-103
4-Chloro-3-methylphenol	6.7		2.0	7.25	92.3	63-117
Acenaphthene	4.7		0.5	5.00	94.3	63-112
4-Nitrophenol	9.3		6.0	7.25	128	49-137
2,4-Dinitrotoluene	5.2		2.0	5.00	105	59-120
Pentachlorophenol	7.3		1.0	7.25	101	46-133
Pyrene	4.5		0.5	5.00	90.4	59-131

Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Blank (B7J1903-BLK1)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.12		7.50	81.6	42-109
Phenol-d5	6.34		7.50	84.5	46-110
2-Chlorophenol-d4	6.64		7.50	88.5	47-103
1,2-Dichlorobenzene-d4	3.62		5.00	72.4	33-100
Nitrobenzene-d5	4.70		5.00	94.0	42-126
2-Fluorobiphenyl	3.73		5.00	74.6	50-104
2,4,6-Tribromophenol	7.45		7.50	99.3	59-142
Terphenyl-d14	4.22		5.00	84.4	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.1
2-Methylnaphthalene	U		0.1
1-Methylnaphthalene	U		0.1
1,1'-Biphenyl	U		0.1
Acenaphthylene	U		0.1
Acenaphthene	U		0.1
Fluorene	U		0.1
Pentachlorophenol	U		0.2
Phenanthrene	U		0.1
Anthracene	U		0.1
Fluoranthene	U		0.1
Pyrene	U		0.1
Benzo (a) anthracene	U		0.1
Chrysene	U		0.1
Benzo (b) fluoranthene	U		0.1
Benzo (k) fluoranthene	U		0.1
Benzo (a) pyrene	U		0.1
Indeno (1,2,3-cd) pyrene	U		0.1
Dibenz (a,h) anthracene	U		0.1
Benzo (g,h,i) perylene	U		0.1

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

LCS (B7J1903-BS1)

Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	7.09		7.50	94.5	42-109
Phenol-d5	7.57		7.50	101	46-110
2-Chlorophenol-d4	7.79		7.50	104 #	47-103
1,2-Dichlorobenzene-d4	4.16		5.00	83.2	33-100
Nitrobenzene-d5	5.34		5.00	107	42-126
2-Fluorobiphenyl	4.48		5.00	89.6	50-104
2,4,6-Tribromophenol	7.92		7.50	106	59-142
Terphenyl-d14	4.40		5.00	88.0	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Naphthalene	0.5		0.1	0.500	101	70-106
2-Methylnaphthalene	0.5		0.1	0.500	102	67-110
1-Methylnaphthalene	0.6		0.1	0.500	112	70-130
1,1'-Biphenyl	0.5		0.1	0.500	101	63-118
Acenaphthylene	0.5		0.1	0.500	103	73-115
Acenaphthene	4.7		0.1	5.00	93.9	63-112
Fluorene	0.5		0.1	0.500	108	74-114
Pentachlorophenol	6.9		0.2	7.25	94.7	46-133
Phenanthrene	0.5		0.1	0.500	101	76-115
Anthracene	0.5		0.1	0.500	101	77-117
Fluoranthene	0.6		0.1	0.500	123 #	75-122
Pyrene	3.3		0.1	5.00	66.7	59-131
Benzo (a) anthracene	0.5		0.1	0.500	109	83-117
Chrysene	0.5		0.1	0.500	101	80-115
Benzo (b) fluoranthene	0.5		0.1	0.500	107	73-127
Benzo (k) fluoranthene	0.6		0.1	0.500	119	73-128
Benzo (a) pyrene	0.5		0.1	0.500	110	75-127
Indeno (1,2,3-cd) pyrene	0.3		0.1	0.500	69.0	66-147
Dibenz (a,h) anthracene	0.4		0.1	0.500	71.2	68-144
Benzo (g,h,i) perylene	0.3		0.1	0.500	65.8	63-148

Environmental Protection Agency

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Matrix Spike (B7J1903-MS1)

Source: 1710008-06 Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.59		7.20	77.6	42-109
Phenol-d5	5.74		7.20	79.7	46-110
2-Chlorophenol-d4	6.20		7.20	86.0	47-103
1,2-Dichlorobenzene-d4	3.20		4.80	66.6	33-100
Nitrobenzene-d5	4.38		4.80	91.2	42-126
2-Fluorobiphenyl	3.71		4.80	77.2	50-104
2,4,6-Tribromophenol	6.49		7.20	90.1	59-142
Terphenyl-d14	4.11		4.80	85.6	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Naphthalene	0.4		0.1	0.480		83.4	65-115
2-Methylnaphthalene	0.4		0.1	0.480		83.6	64-117
1-Methylnaphthalene	0.4		0.1	0.480		93.4	70-130
1,1'-Biphenyl	0.4		0.1	0.480		91.0	60-129
Acenaphthylene	0.4		0.1	0.480		88.6	70-121
Acenaphthene	3.9		0.1	4.80		81.2	41-131
Fluorene	0.5		0.1	0.480		97.6	65-129
Pentachlorophenol	6.9		0.2	6.96		98.6	55-146
Phenanthrene	0.5		0.1	0.480		97.8	69-121
Anthracene	0.4		0.1	0.480		92.6	68-122
Fluoranthene	0.5		0.1	0.480		112	74-123
Pyrene	3.5		0.1	4.80		72.5	54-133
Benzo (a) anthracene	0.5		0.1	0.480		96.0	76-125
Chrysene	0.4		0.1	0.480		85.6	76-125
Benzo (b) fluoranthene	0.5		0.1	0.480		98.4	70-130
Benzo (k) fluoranthene	0.4		0.1	0.480		92.6	68-136
Benzo (a) pyrene	0.4		0.1	0.480		93.6	75-125
Indeno (1,2,3-cd) pyrene	0.3		0.1	0.480		67.6	65-143
Dibenz (a,h) anthracene	0.3		0.1	0.480		71.6	61-145
Benzo (g,h,i) perylene	0.3		0.1	0.480		66.2 #	67-142

Environmental Protection Agency

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1903 **Sample Type: Liquid**

Matrix Spike Dup (B7J1903-MSD1)

Source: 1710008-06 Prepared: 10/19/2017 Analyzed: 10/19/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.83		7.14	81.6	42-109
Phenol-d5	5.96		7.14	83.5	46-110
2-Chlorophenol-d4	6.40		7.14	89.6	47-103
1,2-Dichlorobenzene-d4	3.54		4.76	74.4	33-100
Nitrobenzene-d5	4.46		4.76	93.6	42-126
2-Fluorobiphenyl	3.69		4.76	77.4	50-104
2,4,6-Tribromophenol	6.64		7.14	92.9	59-142
Terphenyl-d14	3.90		4.76	81.8	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	0.4		0.1	0.476		88.4	65-115	4.96	30
2-Methylnaphthalene	0.4		0.1	0.476		88.6	64-117	4.95	30
1-Methylnaphthalene	0.5		0.1	0.476		98.6	70-130	4.56	30
1,1'-Biphenyl	0.4		0.1	0.476		90.4	60-129	1.52	30
Acenaphthylene	0.4		0.1	0.476		90.2	70-121	0.93	30
Acenaphthene	3.8		0.1	4.76		80.3	41-131	1.97	33
Fluorene	0.5		0.1	0.476		94.8	65-129	3.77	30
Pentachlorophenol	6.9		0.2	6.90		100	55-146	0.89	21
Phenanthrene	0.4		0.1	0.476		92.2	69-121	6.75	30
Anthracene	0.4		0.1	0.476		80.2	68-122	15.2	30
Fluoranthene	0.5		0.1	0.476		107	74-123	5.42	30
Pyrene	3.2		0.1	4.76		67.2	54-133	8.47	21
Benzo (a) anthracene	0.5		0.1	0.476		97.6	76-125	0.79	30
Chrysene	0.4		0.1	0.476		88.0	76-125	1.90	30
Benzo (b) fluoranthene	0.4		0.1	0.476		93.4	70-130	6.07	30
Benzo (k) fluoranthene	0.4		0.1	0.476		93.2	68-136	0.21	30
Benzo (a) pyrene	0.5		0.1	0.476		96.6	75-125	2.29	30
Indeno (1,2,3-cd) pyrene	0.3		0.1	0.476		70.2	65-143	2.91	30
Dibenz (a,h) anthracene	0.4		0.1	0.476		74.2	61-145	2.71	30
Benzo (g,h,i) perylene	0.3		0.1	0.476		66.6 #	67-142	0.26	30

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

Blank (B7J1906-BLK1)

Prepared: 10/20/2017 Analyzed: 10/23/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.15		7.50	82.0	42-109
Phenol-d5	6.40		7.50	85.3	46-110
2-Chlorophenol-d4	6.61		7.50	88.1	47-103
1,2-Dichlorobenzene-d4	3.65		5.00	73.0	33-100
Nitrobenzene-d5	4.40		5.00	88.0	42-126
2-Fluorobiphenyl	3.90		5.00	78.0	50-104
2,4,6-Tribromophenol	7.62		7.50	102	59-142
Terphenyl-d14	4.54		5.00	90.8	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.1
2-Methylnaphthalene	U		0.1
1-Methylnaphthalene	U		0.1
1,1'-Biphenyl	U		0.1
Acenaphthylene	U		0.1
Acenaphthene	U		0.1
Fluorene	U		0.1
Pentachlorophenol	U		0.2
Phenanthrene	U		0.1
Anthracene	U		0.1
Fluoranthene	U		0.1
Pyrene	U		0.1
Benzo (a) anthracene	U		0.1
Chrysene	U		0.1
Benzo (b) fluoranthene	U		0.1
Benzo (k) fluoranthene	U		0.1
Benzo (a) pyrene	U		0.1
Indeno (1,2,3-cd) pyrene	U		0.1
Dibenz (a,h) anthracene	U		0.1
Benzo (g,h,i) perylene	U		0.1

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J1906 **Sample Type: Liquid**

LCS (B7J1906-BS1)

Prepared: 10/20/2017 Analyzed: 10/23/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.90		7.50	92.0	42-109
Phenol-d5	7.22		7.50	96.3	46-110
2-Chlorophenol-d4	7.48		7.50	99.7	47-103
1,2-Dichlorobenzene-d4	3.95		5.00	79.0	33-100
Nitrobenzene-d5	4.99		5.00	99.8	42-126
2-Fluorobiphenyl	4.39		5.00	87.8	50-104
2,4,6-Tribromophenol	7.70		7.50	103	59-142
Terphenyl-d14	4.65		5.00	93.0	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Naphthalene	0.5		0.1	0.500	101	70-106
2-Methylnaphthalene	0.5		0.1	0.500	102	67-110
1-Methylnaphthalene	0.6		0.1	0.500	111	70-130
1,1'-Biphenyl	0.4		0.1	0.500	88.4	63-118
Acenaphthylene	0.5		0.1	0.500	102	73-115
Acenaphthene	4.7		0.1	5.00	94.3	63-112
Fluorene	0.5		0.1	0.500	104	74-114
Pentachlorophenol	7.1		0.2	7.25	98.5	46-133
Phenanthrene	0.5		0.1	0.500	103	76-115
Anthracene	0.5		0.1	0.500	94.6	77-117
Fluoranthene	0.6		0.1	0.500	116	75-122
Pyrene	3.6		0.1	5.00	71.0	59-131
Benzo (a) anthracene	0.5		0.1	0.500	109	83-117
Chrysene	0.5		0.1	0.500	100	80-115
Benzo (b) fluoranthene	0.5		0.1	0.500	107	73-127
Benzo (k) fluoranthene	0.5		0.1	0.500	106	73-128
Benzo (a) pyrene	0.5		0.1	0.500	108	75-127
Indeno (1,2,3-cd) pyrene	0.4		0.1	0.500	85.8	66-147
Dibenz (a,h) anthracene	0.4		0.1	0.500	88.4	68-144
Benzo (g,h,i) perylene	0.4		0.1	0.500	85.0	63-148

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Blank (B7J2408-BLK1)

Prepared: 10/24/2017 Analyzed: 10/24/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.08		7.50	81.1	42-109
Phenol-d5	6.26		7.50	83.5	46-110
2-Chlorophenol-d4	6.58		7.50	87.7	47-103
1,2-Dichlorobenzene-d4	3.68		5.00	73.6	33-100
Nitrobenzene-d5	4.41		5.00	88.2	42-126
2-Fluorobiphenyl	3.98		5.00	79.6	50-104
2,4,6-Tribromophenol	7.65		7.50	102	59-142
Terphenyl-d14	5.71		5.00	114	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.1
2-Methylnaphthalene	U		0.1
1-Methylnaphthalene	U		0.1
1,1'-Biphenyl	U		0.1
Acenaphthylene	U		0.1
Acenaphthene	U		0.1
Fluorene	U		0.1
Pentachlorophenol	U		0.2
Phenanthrene	U		0.1
Anthracene	U		0.1
Fluoranthene	U		0.1
Pyrene	U		0.1
Benzo (a) anthracene	U		0.1
Chrysene	U		0.1
Benzo (b) fluoranthene	U		0.1
Benzo (k) fluoranthene	U		0.1
Benzo (a) pyrene	U		0.1
Indeno (1,2,3-cd) pyrene	U		0.1
Dibenz (a,h) anthracene	U		0.1
Benzo (g,h,i) perylene	U		0.1

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

LCS (B7J2408-BS1)

Prepared: 10/24/2017 Analyzed: 10/24/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.91		7.50	92.1	42-109
Phenol-d5	7.29		7.50	97.2	46-110
2-Chlorophenol-d4	7.53		7.50	100	47-103
1,2-Dichlorobenzene-d4	3.97		5.00	79.4	33-100
Nitrobenzene-d5	5.04		5.00	101	42-126
2-Fluorobiphenyl	4.50		5.00	90.0	50-104
2,4,6-Tribromophenol	7.91		7.50	105	59-142
Terphenyl-d14	5.03		5.00	101	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Naphthalene	0.5		0.1	0.500	100	70-106
2-Methylnaphthalene	0.5		0.1	0.500	100	67-110
1-Methylnaphthalene	0.6		0.1	0.500	110	70-130
1,1'-Biphenyl	0.4		0.1	0.500	90.0	63-118
Acenaphthylene	0.5		0.1	0.500	100	73-115
Acenaphthene	4.8		0.1	5.00	95.8	63-112
Fluorene	0.5		0.1	0.500	104	74-114
Pentachlorophenol	6.8		0.2	7.25	94.5	46-133
Phenanthrene	0.5		0.1	0.500	102	76-115
Anthracene	0.4		0.1	0.500	85.2	77-117
Fluoranthene	0.6		0.1	0.500	112	75-122
Pyrene	3.8		0.1	5.00	75.1	59-131
Benzo (a) anthracene	0.5		0.1	0.500	108	83-117
Chrysene	0.5		0.1	0.500	99.6	80-115
Benzo (b) fluoranthene	0.5		0.1	0.500	110	73-127
Benzo (k) fluoranthene	0.5		0.1	0.500	108	73-128
Benzo (a) pyrene	0.5		0.1	0.500	109	75-127
Indeno (1,2,3-cd) pyrene	0.4		0.1	0.500	85.2	66-147
Dibenz (a,h) anthracene	0.4		0.1	0.500	87.6	68-144
Benzo (g,h,i) perylene	0.4		0.1	0.500	85.4	63-148

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Matrix Spike (B7J2408-MS1)

Source: 1710018-09 Prepared: 10/24/2017 Analyzed: 10/24/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.15		7.14	72.1	42-109
Phenol-d5	5.18		7.14	72.5	46-110
2-Chlorophenol-d4	5.65		7.14	79.2	47-103
1,2-Dichlorobenzene-d4	3.43		4.76	72.2	33-100
Nitrobenzene-d5	4.00		4.76	84.0	42-126
2-Fluorobiphenyl	3.47		4.76	73.0	50-104
2,4,6-Tribromophenol	5.81		7.14	81.5	59-142
Terphenyl-d14	5.33		4.76	112	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Naphthalene	0.4		0.1	0.476	0.02	76.9	65-115
2-Methylnaphthalene	0.4		0.1	0.476		81.2	64-117
1-Methylnaphthalene	0.4		0.1	0.476		88.8	70-130
1,1'-Biphenyl	0.3		0.1	0.476		70.6	60-129
Acenaphthylene	0.4		0.1	0.476		89.0	70-121
Acenaphthene	3.4		0.1	4.76		70.6	41-131
Fluorene	0.4		0.1	0.476	0.03	75.3	65-129
Pentachlorophenol	6.3		0.2	6.90		91.1	55-146
Phenanthrene	0.4		0.1	0.476		83.4	69-121
Anthracene	0.3		0.1	0.476		58.4 #	68-122
Fluoranthene	0.4		0.1	0.476		90.8	74-123
Pyrene	3.8		0.1	4.76		79.6	54-133
Benzo (a) anthracene	0.5		0.1	0.476		95.6	76-125
Chrysene	0.4		0.1	0.476		85.0	76-125
Benzo (b) fluoranthene	0.4		0.1	0.476		91.0	70-130
Benzo (k) fluoranthene	0.4		0.1	0.476		83.8	68-136
Benzo (a) pyrene	0.4		0.1	0.476		93.6	75-125
Indeno (1,2,3-cd) pyrene	0.3		0.1	0.476		72.2	65-143
Dibenz (a,h) anthracene	0.4		0.1	0.476		75.4	61-145
Benzo (g,h,i) perylene	0.3		0.1	0.476		70.8	67-142

Environmental Protection Agency

Region 6 Laboratory

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2408 **Sample Type: Liquid**

Matrix Spike Dup (B7J2408-MSD1)

Source: 1710018-09 Prepared: 10/24/2017 Analyzed: 10/24/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	4.09		7.16	57.2	42-109
Phenol-d5	4.02		7.16	56.1	46-110
2-Chlorophenol-d4	4.56		7.16	63.7	47-103
1,2-Dichlorobenzene-d4	2.74		4.77	57.4	33-100
Nitrobenzene-d5	3.25		4.77	68.2	42-126
2-Fluorobiphenyl	2.81		4.77	59.0	50-104
2,4,6-Tribromophenol	4.65		7.16	64.9	59-142
Terphenyl-d14	4.88		4.77	102	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	0.3		0.1	0.477	0.02	63.1 #	65-115	18.1	30
2-Methylnaphthalene	0.3		0.1	0.477		67.4	64-117	18.3	30
1-Methylnaphthalene	0.4		0.1	0.477		73.4	70-130	18.7	30
1,1'-Biphenyl	0.3		0.1	0.477		60.2	60-129	15.6	30
Acenaphthylene	0.3		0.1	0.477		72.0	70-121	20.8	30
Acenaphthene	2.8		0.1	4.77		58.4	41-131	18.7	33
Fluorene	0.3		0.1	0.477	0.03	61.7 #	65-129	17.8	30
Pentachlorophenol	5.1		0.2	6.92		73.1	55-146	21.6 #	21
Phenanthrene	0.3		0.1	0.477		73.2	69-121	12.7	30
Anthracene	0.3		0.1	0.477		58.6 #	68-122	0.63	30
Fluoranthene	0.4		0.1	0.477		86.0	74-123	5.14	30
Pyrene	3.6		0.1	4.77		75.3	54-133	5.29	21
Benzo (a) anthracene	0.5		0.1	0.477		96.2	76-125	0.91	30
Chrysene	0.4		0.1	0.477		85.6	76-125	0.99	30
Benzo (b) fluoranthene	0.4		0.1	0.477		91.0	70-130	0.29	30
Benzo (k) fluoranthene	0.4		0.1	0.477		87.4	68-136	4.49	30
Benzo (a) pyrene	0.5		0.1	0.477		96.2	75-125	3.03	30
Indeno (1,2,3-cd) pyrene	0.4		0.1	0.477		83.8	65-143	15.2	30
Dibenz (a,h) anthracene	0.4		0.1	0.477		88.0	61-145	15.7	30
Benzo (g,h,i) perylene	0.4		0.1	0.477		81.8	67-142	14.7	30

Environmental Protection Agency

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

Blank (B7J2515-BLK1)

Prepared: 10/25/2017 Analyzed: 10/26/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	5.08		7.50	67.7	42-109
Phenol-d5	5.46		7.50	72.8	46-110
2-Chlorophenol-d4	5.60		7.50	74.7	47-103
1,2-Dichlorobenzene-d4	3.14		5.00	62.8	33-100
Nitrobenzene-d5	3.74		5.00	74.8	42-126
2-Fluorobiphenyl	3.51		5.00	70.2	50-104
2,4,6-Tribromophenol	6.90		7.50	92.0	59-142
Terphenyl-d14	5.20		5.00	104	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Naphthalene	U		0.1
2-Methylnaphthalene	U		0.1
1-Methylnaphthalene	U		0.1
1,1'-Biphenyl	U		0.1
Acenaphthylene	U		0.1
Acenaphthene	U		0.1
Fluorene	U		0.1
Pentachlorophenol	U		0.2
Phenanthrene	U		0.1
Anthracene	U		0.1
Fluoranthene	U		0.1
Pyrene	U		0.1
Benzo (a) anthracene	U		0.1
Chrysene	U		0.1
Benzo (b) fluoranthene	U		0.1
Benzo (k) fluoranthene	U		0.1
Benzo (a) pyrene	U		0.1
Indeno (1,2,3-cd) pyrene	U		0.1
Dibenz (a,h) anthracene	U		0.1
Benzo (g,h,i) perylene	U		0.1

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Semivolatiles by EPA Method 8270D - GC/MS (SIM) - Quality Control

Batch: B7J2515 **Sample Type: Liquid**

LCS (B7J2515-BS1)

Prepared: 10/25/2017 Analyzed: 10/26/2017

Surrogates

ANALYTE	Result µg/L	Analyte Qualifier	Spike Level	%REC	%REC Limits
2-Fluorophenol	6.80		7.50	90.7	42-109
Phenol-d5	7.20		7.50	96.0	46-110
2-Chlorophenol-d4	7.43		7.50	99.1	47-103
1,2-Dichlorobenzene-d4	4.06		5.00	81.2	33-100
Nitrobenzene-d5	4.99		5.00	99.8	42-126
2-Fluorobiphenyl	4.42		5.00	88.4	50-104
2,4,6-Tribromophenol	7.81		7.50	104	59-142
Terphenyl-d14	5.27		5.00	105	61-125

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Naphthalene	0.5		0.1	0.500	101	70-106
2-Methylnaphthalene	0.5		0.1	0.500	103	67-110
1-Methylnaphthalene	0.6		0.1	0.500	112	70-130
1,1'-Biphenyl	0.5		0.1	0.500	97.4	63-118
Acenaphthylene	0.5		0.1	0.500	101	73-115
Acenaphthene	4.7		0.1	5.00	94.2	63-112
Fluorene	0.5		0.1	0.500	105	74-114
Pentachlorophenol	7.1		0.2	7.25	98.1	46-133
Phenanthrene	0.5		0.1	0.500	101	76-115
Anthracene	0.5		0.1	0.500	99.4	77-117
Fluoranthene	0.6		0.1	0.500	113	75-122
Pyrene	4.0		0.1	5.00	79.0	59-131
Benzo (a) anthracene	0.6		0.1	0.500	111	83-117
Chrysene	0.5		0.1	0.500	100	80-115
Benzo (b) fluoranthene	0.5		0.1	0.500	108	73-127
Benzo (k) fluoranthene	0.6		0.1	0.500	113	73-128
Benzo (a) pyrene	0.6		0.1	0.500	112	75-127
Indeno (1,2,3-cd) pyrene	0.5		0.1	0.500	92.4	66-147
Dibenz (a,h) anthracene	0.5		0.1	0.500	99.2	68-144
Benzo (g,h,i) perylene	0.4		0.1	0.500	89.0	63-148

Environmental Protection Agency

Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Environmental Protection Agency

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Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Blank (B7J2001-BLK1)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit
1,2-Dibromo-3-chloropropane	U		0.020
1,2-Dibromoethane	U		0.020

Environmental Protection Agency

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Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Blank (B7J2001-BLK2)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit
1,2-Dibromo-3-chloropropane	U		0.020
1,2-Dibromoethane	U		0.020

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

LCS (B7J2001-BS1)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dibromo-3-chloropropane	0.285		0.020	0.286	99.7	60-140
1,2-Dibromoethane	0.294		0.020	0.286	103	60-140

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

LCS (B7J2001-BS2)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dibromo-3-chloropropane	0.284		0.020	0.286	99.3	60-140
1,2-Dibromoethane	0.306		0.020	0.286	107	60-140

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

LCS Dup (B7J2001-BSD1)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	0.285		0.020	0.286	99.7	60-140	0.00	30
1,2-Dibromoethane	0.298		0.020	0.286	104	60-140	1.39	30

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

LCS Dup (B7J2001-BSD2)

Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	0.268		0.020	0.286	93.8	60-140	5.66	30
1,2-Dibromoethane	0.292		0.020	0.286	102	60-140	4.53	30

Environmental Protection Agency

Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Matrix Spike (B7J2001-MS1)

Source: 1710008-06 Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,2-Dibromo-3-chloropropane	0.244		0.019	0.277		88.1	60-140
1,2-Dibromoethane	0.270		0.019	0.277		97.6	60-140

Environmental Protection Agency

Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Matrix Spike Dup (B7J2001-MSD1)

Source: 1710008-06 Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	0.259		0.019	0.277		93.2	60-140	5.84	30
1,2-Dibromoethane	0.275		0.019	0.277		99.3	60-140	1.96	30

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Matrix Spike (B7J2001-MS2)

Source: 1710013-18 Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
1,2-Dibromo-3-chloropropane	0.259		0.020	0.280		92.3	60-140
1,2-Dibromoethane	0.294		0.020	0.280		105	60-140

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2001 **Sample Type: Liquid**

Matrix Spike Dup (B7J2001-MSD2)

Source: 1710013-18 Prepared: 10/20/2017 Analyzed: 10/20/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	0.262		0.019	0.279		94.1	60-140	1.25	30
1,2-Dibromoethane	0.285		0.019	0.279		102	60-140	3.12	30

Environmental Protection Agency

Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2307 **Sample Type: Liquid**

Blank (B7J2307-BLK1)

Prepared: 10/23/2017 Analyzed: 10/23/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit
1,2-Dibromo-3-chloropropane	U		0.020
1,2-Dibromoethane	U		0.020

Environmental Protection Agency

Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2307 **Sample Type: Liquid**

LCS (B7J2307-BS1)

Prepared: 10/23/2017 Analyzed: 10/23/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
1,2-Dibromo-3-chloropropane	0.289		0.020	0.286	101	60-140
1,2-Dibromoethane	0.287		0.020	0.286	101	60-140

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Region 6 Laboratory

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EDB/DBCP by Method 8011 - GC/ECD - Quality Control

Batch: B7J2307 **Sample Type: Liquid**

LCS Dup (B7J2307-BSD1)

Prepared: 10/23/2017 Analyzed: 10/23/2017

Targets

ANALYTE	Result ug/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromo-3-chloropropane	0.287		0.020	0.286	100	60-140	0.52	30
1,2-Dibromoethane	0.293		0.020	0.286	102	60-140	1.75	30

Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC - Quality Control

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0303 **Sample Type: Liquid**

Blank (B7K0303-BLK1)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Hexavalent Chromium	U		0.050

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0303 **Sample Type: Liquid**

LCS (B7K0303-BS1)

Prepared: 10/26/2017 Analyzed: 10/27/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexavalent Chromium	0.957		0.050	1.00	95.7	85-115

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0303 **Sample Type: Liquid**

Matrix Spike (B7K0303-MS1)

Source: 1710008-03 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hexavalent Chromium	0.951		0.050	1.00		95.1	85-115

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Hexavalent Chromium (Dissolved) by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0303 **Sample Type: Liquid**

Matrix Spike Dup (B7K0303-MSD1)

Source: 1710008-03 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexavalent Chromium	0.936		0.050	1.00		93.6	85-115	1.59	15

Hexavalent Chromium by Modified EPA Method 218.6 - IC - Quality Control

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Hexavalent Chromium by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0302 **Sample Type: Liquid**

Blank (B7K0302-BLK1)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Hexavalent Chromium	U		0.050

Environmental Protection Agency

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Hexavalent Chromium by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0302 **Sample Type: Liquid**

LCS (B7K0302-BS1)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Hexavalent Chromium	0.946		0.050	1.00	94.6	85-115

Environmental Protection Agency

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Hexavalent Chromium by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0302 **Sample Type: Liquid**

Matrix Spike (B7K0302-MS1)

Source: 1710008-02 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hexavalent Chromium	0.945		0.050	1.00		94.5	85-115

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Hexavalent Chromium by Modified EPA Method 218.6 - IC - Quality Control

Batch: B7K0302 **Sample Type: Liquid**

Matrix Spike Dup (B7K0302-MSD1)

Source: 1710008-02 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexavalent Chromium	0.929		0.050	1.00		92.9	85-115	1.71	15

Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Blank (B7J2521-BLK1)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Cyanide(total)	U		0.0100

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Blank (B7J2521-BLK2)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Cyanide(total)	U		0.0100

Environmental Protection Agency

Region 6 Laboratory

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

LCS (B7J2521-BS1)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyanide(total)	0.244		0.0100	0.250	97.6	70-130

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

LCS (B7J2521-BS2)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Cyanide(total)	0.253		0.0100	0.250	101	70-130

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike (B7J2521-MS1)

Source: 1710008-06 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyanide(total)	0.238		0.0100	0.250		95.2	70-130

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike Dup (B7J2521-MSD1)

Source: 1710008-06 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyanide(total)	0.231		0.0100	0.250		92.5	70-130	2.84	20

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike (B7J2521-MS2)

Source: 1710013-18 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyanide(total)	0.239		0.0100	0.250		95.8	70-130

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike Dup (B7J2521-MSD2)

Source: 1710013-18 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyanide(total)	0.238		0.0100	0.250		95.2	70-130	0.58	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike (B7J2521-MS3)

Source: 1710018-09 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Cyanide(total)	0.238		0.0100	0.250	8.40E-5	95.2	70-130

Environmental Protection Agency

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Total Cyanide by EPA Method 335.4 - Colorimetric - Quality Control

Batch: B7J2521 **Sample Type: Liquid**

Matrix Spike Dup (B7J2521-MSD3)

Source: 1710018-09 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Cyanide(total)	0.242		0.0100	0.250	8.40E-5	96.7	70-130	1.55	20

Metals by CLP ILMO5.3 - ICP - Quality Control

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Blank (B7J2308-BLK1)

Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Blank (B7J2308-BLK2)

Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

LCS (B7J2308-BS1)

Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	950		100	1,000	95.0	75-125
Barium	1,890		10.0	2,000	94.3	75-125
Beryllium	47.8		5.0	50.1	95.5	75-125
Cadmium	44.2		5.0	50.0	88.3	75-125
Calcium	95,600		150	100,000	95.6	75-125
Chromium	376		10.0	400	93.8	75-125
Cobalt	179		20.0	200	89.6	75-125
Copper	375		20.0	400	93.6	75-125
Iron	949		25.0	1,000	94.9	75-125
Magnesium	97,100		150	100,000	97.1	75-125
Manganese	376		5.0	400	94.1	75-125
Nickel	353		20.0	400	88.2	75-125
Potassium	98,200		1,000	100,000	98.2	75-125
Silver	45.6		10.0	50.0	91.3	75-125
Sodium	98,100		500	100,000	98.1	75-125
Vanadium	396		20.0	400	99.1	75-125
Zinc	912		20.0	1,000	91.2	75-125

Environmental Protection Agency

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

LCS (B7J2308-BS2)

Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	953		100	1,000	95.3	75-125
Barium	1,880		10.0	2,000	93.8	75-125
Beryllium	47.6		5.0	50.1	95.0	75-125
Cadmium	44.1		5.0	50.0	88.2	75-125
Calcium	95,400		150	100,000	95.4	75-125
Chromium	376		10.0	400	93.9	75-125
Cobalt	179		20.0	200	89.3	75-125
Copper	373		20.0	400	93.2	75-125
Iron	946		25.0	1,000	94.6	75-125
Magnesium	96,800		150	100,000	96.8	75-125
Manganese	375		5.0	400	93.7	75-125
Nickel	354		20.0	400	88.3	75-125
Potassium	97,500		1,000	100,000	97.5	75-125
Silver	46.7		10.0	50.0	93.5	75-125
Sodium	97,100		500	100,000	97.1	75-125
Vanadium	394		20.0	400	98.5	75-125
Zinc	910		20.0	1,000	91.0	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike (B7J2308-MS1)

Source: 1710008-06 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	2,650		100	1,000	417	223 #	75-125
Barium	1,950		10.0	2,000	63.7	94.1	75-125
Beryllium	48.2		5.0	50.1		96.3	75-125
Cadmium	44.5		5.0	50.0	0.4	88.3	75-125
Calcium	119,000		150	100,000	23,500	95.2	75-125
Chromium	380		10.0	400		94.9	75-125
Cobalt	180		20.0	200		90.2	75-125
Copper	380		20.0	400		94.8	75-125
Iron	2,720		25.0	1,000	1,410	131 #	75-125
Magnesium	106,000		150	100,000	8,100	98.3	75-125
Manganese	505		5.0	400	169	83.9	75-125
Nickel	353		20.0	400		88.3	75-125
Potassium	104,000		1,000	100,000	4,450	100	75-125
Silver	46.5		10.0	50.0	0.8	91.4	75-125
Sodium	121,000		500	100,000	21,900	99.4	75-125
Vanadium	399		20.0	400	0.3	99.8	75-125
Zinc	918		20.0	1,000	1.7	91.6	75-125

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike Dup (B7J2308-MSD1)

Source: 1710008-06 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	2,560		100	1,000	417	214 #	75-125	3.49	20
Barium	1,940		10.0	2,000	63.7	93.8	75-125	0.33	20
Beryllium	47.9		5.0	50.1		95.6	75-125	0.74	20
Cadmium	45.3		5.0	50.0	0.4	89.9	75-125	1.71	20
Calcium	117,000		150	100,000	23,500	93.6	75-125	1.36	20
Chromium	375		10.0	400		93.6	75-125	1.37	20
Cobalt	179		20.0	200		89.3	75-125	0.96	20
Copper	377		20.0	400		94.2	75-125	0.66	20
Iron	2,660		25.0	1,000	1,410	125	75-125	2.14	20
Magnesium	105,000		150	100,000	8,100	96.8	75-125	1.38	20
Manganese	503		5.0	400	169	83.5	75-125	0.40	20
Nickel	353		20.0	400		88.1	75-125	0.13	20
Potassium	103,000		1,000	100,000	4,450	98.6	75-125	1.32	20
Silver	46.4		10.0	50.0	0.8	91.2	75-125	0.23	20
Sodium	119,000		500	100,000	21,900	97.6	75-125	1.46	20
Vanadium	398		20.0	400	0.3	99.3	75-125	0.46	20
Zinc	912		20.0	1,000	1.7	91.1	75-125	0.61	20

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike (B7J2308-MS2)

Source: 1710013-18 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,120		100	1,000	59.5	106	75-125
Barium	1,920		10.0	2,000	52.2	93.6	75-125
Beryllium	47.7		5.0	50.1	0.04	95.1	75-125
Cadmium	44.7		5.0	50.0	0.6	88.3	75-125
Calcium	114,000		150	100,000	20,100	93.9	75-125
Chromium	376		10.0	400		94.0	75-125
Cobalt	180		20.0	200		90.0	75-125
Copper	375		20.0	400		93.7	75-125
Iron	2,020		25.0	1,000	1,140	87.5	75-125
Magnesium	104,000		150	100,000	7,480	97.0	75-125
Manganese	584		5.0	400	231	88.2	75-125
Nickel	355		20.0	400		88.7	75-125
Potassium	103,000		1,000	100,000	4,860	98.2	75-125
Silver	45.8		10.0	50.0	1.2	89.2	75-125
Sodium	108,000		500	100,000	11,200	97.2	75-125
Vanadium	394		20.0	400		98.5	75-125
Zinc	911		20.0	1,000		91.1	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike Dup (B7J2308-MSD2)

Source: 1710013-18 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,160		100	1,000	59.5	110	75-125	3.20	20
Barium	1,940		10.0	2,000	52.2	94.2	75-125	0.55	20
Beryllium	47.9		5.0	50.1	0.04	95.4	75-125	0.32	20
Cadmium	44.7		5.0	50.0	0.6	88.3	75-125	0.02	20
Calcium	115,000		150	100,000	20,100	95.0	75-125	0.92	20
Chromium	376		10.0	400		94.0	75-125	0.01	20
Cobalt	180		20.0	200		90.1	75-125	0.08	20
Copper	376		20.0	400		94.0	75-125	0.31	20
Iron	2,070		25.0	1,000	1,140	92.6	75-125	2.50	20
Magnesium	105,000		150	100,000	7,480	97.8	75-125	0.83	20
Manganese	591		5.0	400	231	89.9	75-125	1.20	20
Nickel	356		20.0	400		88.8	75-125	0.15	20
Potassium	104,000		1,000	100,000	4,860	98.9	75-125	0.66	20
Silver	45.8		10.0	50.0	1.2	89.2	75-125	0.05	20
Sodium	109,000		500	100,000	11,200	97.9	75-125	0.65	20
Vanadium	395		20.0	400		98.8	75-125	0.33	20
Zinc	912		20.0	1,000		91.2	75-125	0.15	20

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike (B7J2308-MS3)

Source: 1710018-09 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,290		100	1,000	118	117	75-125
Barium	1,890		10.0	2,000	48.0	92.3	75-125
Beryllium	47.1		5.0	50.1		94.0	75-125
Cadmium	44.2		5.0	50.0	0.06	88.2	75-125
Calcium	113,000		150	100,000	18,900	93.7	75-125
Chromium	367		10.0	400		91.8	75-125
Cobalt	176		20.0	200		88.2	75-125
Copper	370		20.0	400		92.4	75-125
Iron	1,990		25.0	1,000	1,040	95.5	75-125
Magnesium	103,000		150	100,000	7,080	96.2	75-125
Manganese	539		5.0	400	177	90.5	75-125
Nickel	348		20.0	400		86.9	75-125
Potassium	102,000		1,000	100,000	4,580	97.5	75-125
Silver	45.0		10.0	50.0		90.1	75-125
Sodium	107,000		500	100,000	10,700	96.6	75-125
Vanadium	389		20.0	400		97.3	75-125
Zinc	895		20.0	1,000		89.5	75-125

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2308 **Sample Type: Liquid**

Matrix Spike Dup (B7J2308-MSD3)

Source: 1710018-09 Prepared: 10/23/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,330		100	1,000	118	121	75-125	3.11	20
Barium	1,950		10.0	2,000	48.0	95.3	75-125	3.06	20
Beryllium	48.3		5.0	50.1		96.4	75-125	2.52	20
Cadmium	45.7		5.0	50.0	0.06	91.3	75-125	3.38	20
Calcium	117,000		150	100,000	18,900	98.1	75-125	3.89	20
Chromium	384		10.0	400		95.8	75-125	4.37	20
Cobalt	182		20.0	200		91.0	75-125	3.15	20
Copper	380		20.0	400		94.8	75-125	2.55	20
Iron	2,090		25.0	1,000	1,040	105	75-125	4.52	20
Magnesium	107,000		150	100,000	7,080	99.9	75-125	3.61	20
Manganese	560		5.0	400	177	95.8	75-125	3.85	20
Nickel	359		20.0	400		89.6	75-125	3.15	20
Potassium	106,000		1,000	100,000	4,580	101	75-125	3.61	20
Silver	45.7		10.0	50.0		91.5	75-125	1.56	20
Sodium	111,000		500	100,000	10,700	101	75-125	3.68	20
Vanadium	401		20.0	400		100	75-125	2.94	20
Zinc	923		20.0	1,000		92.3	75-125	3.13	20

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

Blank (B7K0204-BLK1)

Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

LCS (B7K0204-BS1)

Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	1,050		100	1,000	105	75-125
Barium	2,110		10.0	2,000	106	75-125
Beryllium	48.0		5.0	50.1	95.8	75-125
Cadmium	55.9		5.0	50.0	112	75-125
Calcium	104,000		150	100,000	104	75-125
Chromium	385		10.0	400	96.2	75-125
Cobalt	199		20.0	200	99.4	75-125
Copper	429		20.0	400	107	75-125
Iron	1,010		25.0	1,000	101	75-125
Magnesium	106,000		150	100,000	106	75-125
Manganese	403		5.0	400	101	75-125
Nickel	382		20.0	400	95.5	75-125
Potassium	112,000		1,000	100,000	112	75-125
Silver	50.1		10.0	50.0	100	75-125
Sodium	110,000		500	100,000	110	75-125
Vanadium	395		20.0	400	98.8	75-125
Zinc	969		20.0	1,000	96.9	75-125

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

Matrix Spike (B7K0204-MS1)

Source: 1710024-26 Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,390		100	1,000	106	129 #	75-125
Barium	2,150		10.0	2,000	62.1	104	75-125
Beryllium	47.3		5.0	50.1		94.5	75-125
Cadmium	53.3		5.0	50.0		107	75-125
Calcium	145,000		150	100,000	41,000	104	75-125
Chromium	376		10.0	400	1.2	93.6	75-125
Cobalt	195		20.0	200		97.5	75-125
Copper	431		20.0	400		108	75-125
Iron	1,440		25.0	1,000	358	108	75-125
Magnesium	119,000		150	100,000	12,800	106	75-125
Manganese	432		5.0	400	34.6	99.3	75-125
Nickel	373		20.0	400	0.2	93.2	75-125
Potassium	118,000		1,000	100,000	5,010	113	75-125
Silver	48.6		10.0	50.0	0.6	96.1	75-125
Sodium	118,000		500	100,000	7,190	111	75-125
Vanadium	390		20.0	400	0.4	97.4	75-125
Zinc	985		20.0	1,000	49.4	93.6	75-125

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

Matrix Spike Dup (B7K0204-MSD1)

Source: 1710024-26 Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,580		100	1,000	106	147 #	75-125	12.3	20
Barium	2,210		10.0	2,000	62.1	108	75-125	2.87	20
Beryllium	48.8		5.0	50.1		97.5	75-125	3.09	20
Cadmium	53.6		5.0	50.0		107	75-125	0.67	20
Calcium	149,000		150	100,000	41,000	108	75-125	2.70	20
Chromium	386		10.0	400	1.2	96.2	75-125	2.77	20
Cobalt	200		20.0	200		100	75-125	2.52	20
Copper	447		20.0	400		112	75-125	3.72	20
Iron	1,540		25.0	1,000	358	118	75-125	6.76	20
Magnesium	121,000		150	100,000	12,800	109	75-125	2.44	20
Manganese	447		5.0	400	34.6	103	75-125	3.41	20
Nickel	382		20.0	400	0.2	95.3	75-125	2.22	20
Potassium	122,000		1,000	100,000	5,010	117	75-125	2.71	20
Silver	50.0		10.0	50.0	0.6	98.9	75-125	2.85	20
Sodium	121,000		500	100,000	7,190	114	75-125	2.56	20
Vanadium	402		20.0	400	0.4	100	75-125	3.01	20
Zinc	1,010		20.0	1,000	49.4	96.1	75-125	2.55	20

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

Matrix Spike (B7K0204-MS2)

Source: 1710025-14 Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,090		100	1,000	4.3	108	75-125
Barium	2,150		10.0	2,000	23.4	106	75-125
Beryllium	48.3		5.0	50.1		96.3	75-125
Cadmium	52.0		5.0	50.0	25.0	54.1 #	75-125
Calcium	115,000		150	100,000	9,540	105	75-125
Chromium	391		10.0	400		97.7	75-125
Cobalt	198		20.0	200		99.0	75-125
Copper	444		20.0	400	9.2	109	75-125
Iron	2,190		25.0	1,000	1,130	106	75-125
Magnesium	110,000		150	100,000	3,240	107	75-125
Manganese	547		5.0	400	130	104	75-125
Nickel	383		20.0	400		95.7	75-125
Potassium	122,000		1,000	100,000	6,540	116	75-125
Silver	49.9		10.0	50.0	1.4	96.8	75-125
Sodium	116,000		500	100,000	3,880	113	75-125
Vanadium	398		20.0	400		99.5	75-125
Zinc	974		20.0	1,000	18.8	95.5	75-125

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Metals by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0204 **Sample Type: Liquid**

Matrix Spike Dup (B7K0204-MSD2)

Source: 1710025-14 Prepared: 11/2/2017 Analyzed: 12/6/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,100		100	1,000	4.3	110	75-125	1.37	20
Barium	2,150		10.0	2,000	23.4	106	75-125	0.20	20
Beryllium	48.3		5.0	50.1		96.3	75-125	0.00	20
Cadmium	51.9		5.0	50.0	25.0	53.9 #	75-125	0.18	20
Calcium	114,000		150	100,000	9,540	105	75-125	0.40	20
Chromium	386		10.0	400		96.5	75-125	1.27	20
Cobalt	197		20.0	200		98.6	75-125	0.45	20
Copper	445		20.0	400	9.2	109	75-125	0.22	20
Iron	2,220		25.0	1,000	1,130	109	75-125	1.20	20
Magnesium	110,000		150	100,000	3,240	107	75-125	0.22	20
Manganese	548		5.0	400	130	105	75-125	0.24	20
Nickel	380		20.0	400		94.8	75-125	1.03	20
Potassium	122,000		1,000	100,000	6,540	116	75-125	0.16	20
Silver	48.7		10.0	50.0	1.4	94.4	75-125	2.43	20
Sodium	116,000		500	100,000	3,880	113	75-125	0.00	20
Vanadium	398		20.0	400		99.4	75-125	0.10	20
Zinc	968		20.0	1,000	18.8	94.9	75-125	0.63	20

Metals by CLP ILMO5.3 - ICP/MS - Quality Control

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Blank (B7J2309-BLK1)

Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	**1.4**		0.5
Selenium	U		1.0
Thallium	U		0.5

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Blank (B7J2309-BLK2)

Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	**0.5**		0.5
Selenium	U		1.0
Thallium	U		0.5

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

LCS (B7J2309-BS1)

Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	203		0.5	200	101	85-115
Arsenic	188		0.5	200	94.2	85-115
Lead	208		0.5	200	104	85-115
Selenium	183		1.0	200	91.7	85-115
Thallium	204		0.5	200	102	85-115

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

LCS (B7J2309-BS2)

Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	197		0.5	200	98.5	85-115
Arsenic	184		0.5	200	91.8	85-115
Lead	205		0.5	200	102	85-115
Selenium	178		1.0	200	89.2	85-115
Thallium	202		0.5	200	101	85-115

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike (B7J2309-MS1)

Source: 1710008-06 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	196		2.5	200	0.1	98.1	70-130
Arsenic	197		2.5	200	1.1	98.0	70-130
Lead	216		2.5	200	2.4	107	70-130
Selenium	192		5.0	200	0.8	95.4	70-130
Thallium	216		2.5	200	0.4	108	70-130

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike Dup (B7J2309-MSD1)

Source: 1710008-06 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	192		2.5	200	0.1	96.1	70-130	2.06	20
Arsenic	194		2.5	200	1.1	96.7	70-130	1.29	20
Lead	211		2.5	200	2.4	104	70-130	2.34	20
Selenium	186		5.0	200	0.8	92.4	70-130	3.17	20
Thallium	211		2.5	200	0.4	105	70-130	2.43	20

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Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike (B7J2309-MS2)

Source: 1710013-18 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	204		2.5	200	0.01	102	70-130
Arsenic	196		2.5	200	1.4	97.5	70-130
Lead	213		2.5	200	0.3	107	70-130
Selenium	193		5.0	200	0.3	96.2	70-130
Thallium	213		2.5	200	0.1	106	70-130

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike Dup (B7J2309-MSD2)

Source: 1710013-18 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	206		2.5	200	0.01	103	70-130	0.74	20
Arsenic	197		2.5	200	1.4	97.9	70-130	0.42	20
Lead	211		2.5	200	0.3	105	70-130	1.03	20
Selenium	193		5.0	200	0.3	96.2	70-130	0.05	20
Thallium	214		2.5	200	0.1	107	70-130	0.49	20

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike (B7J2309-MS3)

Source: 1710018-09 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	204		2.5	200	0.07	102	70-130
Arsenic	198		2.5	200	1.4	98.1	70-130
Lead	211		2.5	200	0.4	106	70-130
Selenium	192		5.0	200	0.3	95.6	70-130
Thallium	213		2.5	200	0.1	106	70-130

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2309 **Sample Type: Liquid**

Matrix Spike Dup (B7J2309-MSD3)

Source: 1710018-09 Prepared: 10/23/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	203		2.5	200	0.07	101	70-130	0.45	20
Arsenic	196		2.5	200	1.4	97.2	70-130	0.95	20
Lead	210		2.5	200	0.4	105	70-130	0.86	20
Selenium	186		5.0	200	0.3	92.9	70-130	2.94	20
Thallium	209		2.5	200	0.1	104	70-130	1.70	20

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

Blank (B7K0205-BLK1)

Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	U		0.5
Selenium	U		1.0
Thallium	U		0.5

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

LCS (B7K0205-BS1)

Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	199		0.5	200	99.7	85-115
Arsenic	204		0.5	200	102	85-115
Lead	213		0.5	200	107	85-115
Selenium	199		1.0	200	99.3	85-115
Thallium	209		0.5	200	104	85-115

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

Matrix Spike (B7K0205-MS1)

Source: 1710024-26 Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	216		2.5	200	0.3	108	70-130
Arsenic	226		2.5	200		113	70-130
Lead	236		2.5	200	10.5	113	70-130
Selenium	225		5.0	200	0.5	112	70-130
Thallium	225		2.5	200		113	70-130

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

Matrix Spike Dup (B7K0205-MSD1)

Source: 1710024-26 Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	230		2.5	200	0.3	115	70-130	6.28	20
Arsenic	238		2.5	200		119	70-130	5.45	20
Lead	252		2.5	200	10.5	121	70-130	6.61	20
Selenium	236		5.0	200	0.5	118	70-130	4.86	20
Thallium	241		2.5	200		120	70-130	6.68	20

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Region 6 Laboratory

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Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

Matrix Spike (B7K0205-MS2)

Source: 1710025-14 Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	228		2.5	200	0.06	114	70-130
Arsenic	234		2.5	200	0.6	117	70-130
Lead	236		2.5	200	0.2	118	70-130
Selenium	227		5.0	200	0.3	113	70-130
Thallium	233		2.5	200		116	70-130

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0205 **Sample Type: Liquid**

Matrix Spike Dup (B7K0205-MSD2)

Source: 1710025-14 Prepared: 11/2/2017 Analyzed: 11/29/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	219		2.5	200	0.06	109	70-130	4.22	20
Arsenic	227		2.5	200	0.6	113	70-130	3.29	20
Lead	221		2.5	200	0.2	110	70-130	6.50	20
Selenium	221		5.0	200	0.3	110	70-130	2.75	20
Thallium	220		2.5	200		110	70-130	5.79	20

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Blank (B7J3012-BLK1)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Blank (B7J3012-BLK2)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Blank (B7J3012-BLK3)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Blank (B7J3012-BLK4)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Blank (B7J3012-BLK5)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

LCS (B7J3012-BS1)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.908		0.200	1.00	90.8	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

LCS (B7J3012-BS2)

Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.994		0.200	1.00	99.4	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike (B7J3012-MS1)

Source: 1710008-06 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.09		0.200	1.00	0.005	108	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike Dup (B7J3012-MSD1)

Source: 1710008-06 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.08		0.200	1.00	0.005	108	75-125	0.92	20

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike (B7J3012-MS2)

Source: 1710013-18 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.10		0.200	1.00	0.007	109	75-125

Environmental Protection Agency

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike Dup (B7J3012-MSD2)

Source: 1710013-18 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.12		0.200	1.00	0.007	111	75-125	1.80	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike (B7J3012-MS3)

Source: 1710018-09 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.08		0.200	1.00	0.015	106	75-125

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7J3012 **Sample Type: Liquid**

Matrix Spike Dup (B7J3012-MSD3)

Source: 1710018-09 Prepared: 10/31/2017 Analyzed: 11/1/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.03		0.200	1.00	0.015	102	75-125	4.74	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Blank (B7K0807-BLK1)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Blank (B7K0807-BLK2)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Blank (B7K0807-BLK3)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Blank (B7K0807-BLK4)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Blank (B7K0807-BLK5)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

LCS (B7K0807-BS1)

Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	1.03		0.200	1.00	103	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Matrix Spike (B7K0807-MS1)

Source: 1710024-26 Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.08		0.200	1.00	0.024	106	75-125

Environmental Protection Agency

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Matrix Spike Dup (B7K0807-MSD1)

Source: 1710024-26 Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.12		0.200	1.00	0.024	110	75-125	3.64	20

Environmental Protection Agency

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Matrix Spike (B7K0807-MS2)

Source: 1710025-14 Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.09		0.200	1.00	0.028	106	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0807 **Sample Type: Liquid**

Matrix Spike Dup (B7K0807-MSD2)

Source: 1710025-14 Prepared: 11/8/2017 Analyzed: 11/9/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.17		0.200	1.00	0.028	114	75-125	7.08	20

Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Blank (B7J2411-BLK1)

Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Blank (B7J2411-BLK2)

Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

LCS (B7J2411-BS1)

Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	918		100	1,000	91.8	75-125
Barium	1,820		10.0	2,000	91.0	75-125
Beryllium	46.3		5.0	50.1	92.3	75-125
Cadmium	43.4		5.0	50.0	86.8	75-125
Calcium	93,000		150	100,000	93.0	75-125
Chromium	367		10.0	400	91.6	75-125
Cobalt	174		20.0	200	86.9	75-125
Copper	359		20.0	400	89.7	75-125
Iron	907		25.0	1,000	90.7	75-125
Magnesium	93,700		150	100,000	93.7	75-125
Manganese	361		5.0	400	90.4	75-125
Nickel	342		20.0	400	85.3	75-125
Potassium	94,900		1,000	100,000	94.9	75-125
Silver	45.0		10.0	50.0	90.1	75-125
Sodium	94,500		500	100,000	94.5	75-125
Vanadium	380		20.0	400	95.1	75-125
Zinc	887		20.0	1,000	88.7	75-125

Environmental Protection Agency

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10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

LCS (B7J2411-BS2)

Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	914		100	1,000	91.4	75-125
Barium	1,800		10.0	2,000	90.2	75-125
Beryllium	46.0		5.0	50.1	91.8	75-125
Cadmium	43.6		5.0	50.0	87.2	75-125
Calcium	92,000		150	100,000	92.0	75-125
Chromium	361		10.0	400	90.1	75-125
Cobalt	171		20.0	200	85.3	75-125
Copper	357		20.0	400	89.1	75-125
Iron	902		25.0	1,000	90.2	75-125
Magnesium	92,800		150	100,000	92.8	75-125
Manganese	359		5.0	400	89.7	75-125
Nickel	337		20.0	400	84.1	75-125
Potassium	93,800		1,000	100,000	93.8	75-125
Silver	44.1		10.0	50.0	88.2	75-125
Sodium	93,100		500	100,000	93.1	75-125
Vanadium	376		20.0	400	94.1	75-125
Zinc	874		20.0	1,000	87.4	75-125

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike (B7J2411-MS1)

Source: 1710008-03 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,210		100	1,000	100	111	75-125
Barium	1,900		10.0	2,000	63.9	91.7	75-125
Beryllium	47.0		5.0	50.1		93.8	75-125
Cadmium	43.6		5.0	50.0		87.2	75-125
Calcium	120,000		150	100,000	27,400	92.3	75-125
Chromium	373		10.0	400		93.2	75-125
Cobalt	176		20.0	200		87.8	75-125
Copper	368		20.0	400	0.5	91.8	75-125
Iron	1,410		25.0	1,000	486	92.6	75-125
Magnesium	104,000		150	100,000	9,120	94.8	75-125
Manganese	473		5.0	400	117	89.1	75-125
Nickel	345		20.0	400		86.0	75-125
Potassium	101,000		1,000	100,000	4,150	96.5	75-125
Silver	44.6		10.0	50.0	1.5	86.1	75-125
Sodium	123,000		500	100,000	28,400	94.7	75-125
Vanadium	386		20.0	400	0.9	96.2	75-125
Zinc	893		20.0	1,000		89.3	75-125

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike Dup (B7J2411-MSD1)

Source: 1710008-03 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,210		100	1,000	100	111	75-125	0.30	20
Barium	1,890		10.0	2,000	63.9	91.4	75-125	0.33	20
Beryllium	46.9		5.0	50.1		93.6	75-125	0.17	20
Cadmium	43.9		5.0	50.0		87.7	75-125	0.56	20
Calcium	119,000		150	100,000	27,400	91.7	75-125	0.54	20
Chromium	368		10.0	400		91.8	75-125	1.41	20
Cobalt	174		20.0	200		87.2	75-125	0.62	20
Copper	368		20.0	400	0.5	91.7	75-125	0.04	20
Iron	1,410		25.0	1,000	486	92.6	75-125	0.03	20
Magnesium	103,000		150	100,000	9,120	94.3	75-125	0.41	20
Manganese	472		5.0	400	117	88.8	75-125	0.27	20
Nickel	343		20.0	400		85.5	75-125	0.60	20
Potassium	100,000		1,000	100,000	4,150	96.2	75-125	0.26	20
Silver	45.1		10.0	50.0	1.5	87.3	75-125	1.32	20
Sodium	123,000		500	100,000	28,400	94.1	75-125	0.49	20
Vanadium	385		20.0	400	0.9	96.0	75-125	0.23	20
Zinc	886		20.0	1,000		88.6	75-125	0.80	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike (B7J2411-MS2)

Source: 1710008-07 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	1,020		100	1,000	78.1	94.0	75-125
Barium	1,870		10.0	2,000	59.3	90.8	75-125
Beryllium	46.5		5.0	50.1		92.7	75-125
Cadmium	43.6		5.0	50.0		87.1	75-125
Calcium	115,000		150	100,000	23,600	91.0	75-125
Chromium	367		10.0	400		91.6	75-125
Cobalt	173		20.0	200		86.5	75-125
Copper	365		20.0	400		91.1	75-125
Iron	1,130		25.0	1,000	544	58.4 #	75-125
Magnesium	101,000		150	100,000	7,920	93.5	75-125
Manganese	473		5.0	400	163	77.5	75-125
Nickel	339		20.0	400	0.07	84.7	75-125
Potassium	99,400		1,000	100,000	4,050	95.4	75-125
Silver	45.0		10.0	50.0	1.1	87.9	75-125
Sodium	115,000		500	100,000	21,400	93.8	75-125
Vanadium	382		20.0	400	0.9	95.3	75-125
Zinc	883		20.0	1,000		88.3	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike Dup (B7J2411-MSD2)

Source: 1710008-07 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,040		100	1,000	78.1	96.1	75-125	2.02	20
Barium	1,910		10.0	2,000	59.3	92.5	75-125	1.78	20
Beryllium	47.4		5.0	50.1		94.5	75-125	1.94	20
Cadmium	44.6		5.0	50.0		89.2	75-125	2.29	20
Calcium	117,000		150	100,000	23,600	93.0	75-125	1.76	20
Chromium	375		10.0	400		93.7	75-125	2.23	20
Cobalt	177		20.0	200		88.3	75-125	2.04	20
Copper	372		20.0	400		92.8	75-125	1.83	20
Iron	1,140		25.0	1,000	544	59.9 #	75-125	1.34	20
Magnesium	103,000		150	100,000	7,920	95.5	75-125	1.95	20
Manganese	480		5.0	400	163	79.3	75-125	1.53	20
Nickel	347		20.0	400	0.07	86.7	75-125	2.39	20
Potassium	102,000		1,000	100,000	4,050	97.7	75-125	2.29	20
Silver	45.0		10.0	50.0	1.1	87.9	75-125	0.02	20
Sodium	118,000		500	100,000	21,400	96.2	75-125	2.04	20
Vanadium	389		20.0	400	0.9	97.0	75-125	1.72	20
Zinc	903		20.0	1,000		90.3	75-125	2.30	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike (B7J2411-MS3)

Source: 1710013-19 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	978		100	1,000		97.8	75-125
Barium	1,910		10.0	2,000	45.2	93.5	75-125
Beryllium	47.8		5.0	50.1		95.4	75-125
Cadmium	44.6		5.0	50.0		89.2	75-125
Calcium	114,000		150	100,000	19,300	95.1	75-125
Chromium	376		10.0	400		93.9	75-125
Cobalt	179		20.0	200		89.4	75-125
Copper	374		20.0	400		93.5	75-125
Iron	1,580		25.0	1,000	680	89.7	75-125
Magnesium	104,000		150	100,000	7,160	96.9	75-125
Manganese	530		5.0	400	163	92.0	75-125
Nickel	351		20.0	400	0.1	87.7	75-125
Potassium	103,000		1,000	100,000	4,570	98.4	75-125
Silver	45.6		10.0	50.0	1.3	88.7	75-125
Sodium	108,000		500	100,000	10,700	97.1	75-125
Vanadium	392		20.0	400	1.0	97.8	75-125
Zinc	906		20.0	1,000		90.6	75-125

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7J2411 **Sample Type: Liquid**

Matrix Spike Dup (B7J2411-MSD3)

Source: 1710013-19 Prepared: 10/24/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	992		100	1,000		99.2	75-125	1.39	20
Barium	1,940		10.0	2,000	45.2	94.7	75-125	1.30	20
Beryllium	48.5		5.0	50.1		96.7	75-125	1.40	20
Cadmium	45.0		5.0	50.0		90.1	75-125	1.03	20
Calcium	116,000		150	100,000	19,300	96.7	75-125	1.44	20
Chromium	379		10.0	400		94.6	75-125	0.71	20
Cobalt	181		20.0	200		90.4	75-125	1.05	20
Copper	378		20.0	400		94.5	75-125	1.12	20
Iron	1,600		25.0	1,000	680	92.0	75-125	1.46	20
Magnesium	106,000		150	100,000	7,160	98.4	75-125	1.40	20
Manganese	538		5.0	400	163	93.9	75-125	1.47	20
Nickel	355		20.0	400	0.1	88.6	75-125	0.99	20
Potassium	104,000		1,000	100,000	4,570	99.8	75-125	1.40	20
Silver	45.4		10.0	50.0	1.3	88.3	75-125	0.45	20
Sodium	109,000		500	100,000	10,700	98.7	75-125	1.46	20
Vanadium	398		20.0	400	1.0	99.2	75-125	1.38	20
Zinc	916		20.0	1,000		91.6	75-125	1.04	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

Blank (B7K0206-BLK1)

Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Aluminum	U		100
Barium	U		10.0
Beryllium	U		5.0
Cadmium	U		5.0
Calcium	U		150
Chromium	U		10.0
Cobalt	U		20.0
Copper	U		20.0
Iron	U		25.0
Magnesium	U		150
Manganese	U		5.0
Nickel	U		20.0
Potassium	U		1,000
Silver	U		10.0
Sodium	U		500
Vanadium	U		20.0
Zinc	U		20.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

LCS (B7K0206-BS1)

Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Aluminum	994		100	1,000	99.4	75-125
Barium	2,040		10.0	2,000	102	75-125
Beryllium	46.8		5.0	50.1	93.3	75-125
Cadmium	49.5		5.0	50.0	99.0	75-125
Calcium	101,000		150	100,000	101	75-125
Chromium	377		10.0	400	94.2	75-125
Cobalt	192		20.0	200	96.2	75-125
Copper	409		20.0	400	102	75-125
Iron	967		25.0	1,000	96.7	75-125
Magnesium	102,000		150	100,000	102	75-125
Manganese	389		5.0	400	97.3	75-125
Nickel	369		20.0	400	92.2	75-125
Potassium	107,000		1,000	100,000	107	75-125
Silver	48.9		10.0	50.0	97.7	75-125
Sodium	106,000		500	100,000	106	75-125
Vanadium	382		20.0	400	95.5	75-125
Zinc	936		20.0	1,000	93.6	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

Matrix Spike (B7K0206-MS1)

Source: 1710024-27 Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	978		100	1,000		97.8	75-125
Barium	2,030		10.0	2,000	60.7	98.5	75-125
Beryllium	45.8		5.0	50.1		91.3	75-125
Cadmium	49.0		5.0	50.0	1.1	95.7	75-125
Calcium	139,000		150	100,000	40,100	98.9	75-125
Chromium	366		10.0	400		91.3	75-125
Cobalt	186		20.0	200		93.1	75-125
Copper	410		20.0	400	1.8	102	75-125
Iron	1,040		25.0	1,000	108	93.2	75-125
Magnesium	113,000		150	100,000	13,000	99.9	75-125
Manganese	401		5.0	400	21.3	94.8	75-125
Nickel	359		20.0	400		89.7	75-125
Potassium	111,000		1,000	100,000	5,030	106	75-125
Silver	47.7		10.0	50.0	0.3	94.9	75-125
Sodium	113,000		500	100,000	7,450	106	75-125
Vanadium	373		20.0	400	0.4	93.2	75-125
Zinc	938		20.0	1,000	32.6	90.5	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

Matrix Spike Dup (B7K0206-MSD1)

Source: 1710024-27 Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	994		100	1,000		99.4	75-125	1.62	20
Barium	2,060		10.0	2,000	60.7	100	75-125	1.59	20
Beryllium	46.2		5.0	50.1		92.3	75-125	1.08	20
Cadmium	48.5		5.0	50.0	1.1	94.7	75-125	1.01	20
Calcium	141,000		150	100,000	40,100	101	75-125	1.21	20
Chromium	370		10.0	400		92.3	75-125	1.07	20
Cobalt	190		20.0	200		94.9	75-125	1.90	20
Copper	417		20.0	400	1.8	104	75-125	1.69	20
Iron	1,050		25.0	1,000	108	94.6	75-125	1.29	20
Magnesium	115,000		150	100,000	13,000	102	75-125	1.73	20
Manganese	407		5.0	400	21.3	96.5	75-125	1.61	20
Nickel	362		20.0	400		90.4	75-125	0.86	20
Potassium	115,000		1,000	100,000	5,030	110	75-125	2.89	20
Silver	49.6		10.0	50.0	0.3	98.6	75-125	3.81	20
Sodium	116,000		500	100,000	7,450	109	75-125	2.83	20
Vanadium	377		20.0	400	0.4	94.2	75-125	1.07	20
Zinc	951		20.0	1,000	32.6	91.9	75-125	1.41	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

Matrix Spike (B7K0206-MS2)

Source: 1710025-15 Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Aluminum	975		100	1,000		97.5	75-125
Barium	2,010		10.0	2,000	25.3	99.2	75-125
Beryllium	45.8		5.0	50.1	0.2	91.0	75-125
Cadmium	48.9		5.0	50.0	4.4	89.1	75-125
Calcium	108,000		150	100,000	10,300	97.9	75-125
Chromium	369		10.0	400		92.1	75-125
Cobalt	189		20.0	200		94.4	75-125
Copper	413		20.0	400	2.3	103	75-125
Iron	1,540		25.0	1,000	646	89.6	75-125
Magnesium	103,000		150	100,000	3,450	99.6	75-125
Manganese	485		5.0	400	111	93.3	75-125
Nickel	360		20.0	400		89.9	75-125
Potassium	113,000		1,000	100,000	6,920	106	75-125
Silver	47.8		10.0	50.0	0.5	94.6	75-125
Sodium	110,000		500	100,000	4,120	106	75-125
Vanadium	374		20.0	400	0.3	93.4	75-125
Zinc	920		20.0	1,000	10.2	91.0	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP - Quality Control

Batch: B7K0206 **Sample Type: Liquid**

Matrix Spike Dup (B7K0206-MSD2)

Source: 1710025-15 Prepared: 11/2/2017 Analyzed: 12/7/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Aluminum	1,000		100	1,000		100	75-125	2.61	20
Barium	2,040		10.0	2,000	25.3	101	75-125	1.47	20
Beryllium	46.7		5.0	50.1	0.2	92.9	75-125	2.08	20
Cadmium	53.3		5.0	50.0	4.4	97.9	75-125	8.57	20
Calcium	110,000		150	100,000	10,300	99.8	75-125	1.71	20
Chromium	373		10.0	400		93.3	75-125	1.28	20
Cobalt	193		20.0	200		96.3	75-125	1.98	20
Copper	420		20.0	400	2.3	104	75-125	1.60	20
Iron	1,580		25.0	1,000	646	93.0	75-125	2.17	20
Magnesium	105,000		150	100,000	3,450	101	75-125	1.68	20
Manganese	491		5.0	400	111	95.0	75-125	1.35	20
Nickel	368		20.0	400		91.8	75-125	2.09	20
Potassium	114,000		1,000	100,000	6,920	107	75-125	0.99	20
Silver	50.0		10.0	50.0	0.5	98.9	75-125	4.41	20
Sodium	111,000		500	100,000	4,120	107	75-125	0.96	20
Vanadium	379		20.0	400	0.3	94.7	75-125	1.41	20
Zinc	948		20.0	1,000	10.2	93.8	75-125	2.93	20

Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Blank (B7J2412-BLK1)

Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	U		0.5
Selenium	U		1.0
Thallium	U		0.5

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Blank (B7J2412-BLK2)

Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	U		0.5
Selenium	U		1.0
Thallium	U		0.5

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

LCS (B7J2412-BS1)

Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	197		0.5	200	98.7	85-115
Arsenic	189		0.5	200	94.6	85-115
Lead	201		0.5	200	100	85-115
Selenium	181		1.0	200	90.3	85-115
Thallium	197		0.5	200	98.6	85-115

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

LCS (B7J2412-BS2)

Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	198		0.5	200	98.9	85-115
Arsenic	188		0.5	200	93.9	85-115
Lead	205		0.5	200	102	85-115
Selenium	181		1.0	200	90.4	85-115
Thallium	198		0.5	200	99.1	85-115

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike (B7J2412-MS1)

Source: 1710008-03 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	205		2.5	200	0.4	102	70-130
Arsenic	199		2.5	200	0.8	98.9	70-130
Lead	206		2.5	200	0.6	103	70-130
Selenium	190		5.0	200	0.8	94.5	70-130
Thallium	206		2.5	200	0.2	103	70-130

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike Dup (B7J2412-MSD1)

Source: 1710008-03 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	203		2.5	200	0.4	101	70-130	0.99	20
Arsenic	199		2.5	200	0.8	99.2	70-130	0.25	20
Lead	207		2.5	200	0.6	103	70-130	0.22	20
Selenium	191		5.0	200	0.8	95.3	70-130	0.77	20
Thallium	202		2.5	200	0.2	101	70-130	1.91	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike (B7J2412-MS2)

Source: 1710008-07 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	204		2.5	200	1.8	101	70-130
Arsenic	200		2.5	200	1.1	99.2	70-130
Lead	205		2.5	200	0.9	102	70-130
Selenium	190		5.0	200	1.2	94.4	70-130
Thallium	205		2.5	200	0.2	102	70-130

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike Dup (B7J2412-MSD2)

Source: 1710008-07 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	207		2.5	200	1.8	102	70-130	1.21	20
Arsenic	201		2.5	200	1.1	100	70-130	0.96	20
Lead	210		2.5	200	0.9	105	70-130	2.48	20
Selenium	194		5.0	200	1.2	96.6	70-130	2.24	20
Thallium	209		2.5	200	0.2	105	70-130	2.05	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike (B7J2412-MS3)

Source: 1710013-19 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	202		2.5	200	0.1	101	70-130
Arsenic	198		2.5	200	1.2	98.6	70-130
Lead	203		2.5	200	0.2	101	70-130
Selenium	193		5.0	200	1.2	95.7	70-130
Thallium	202		2.5	200	0.07	101	70-130

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7J2412 **Sample Type: Liquid**

Matrix Spike Dup (B7J2412-MSD3)

Source: 1710013-19 Prepared: 10/24/2017 Analyzed: 11/3/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	199		2.5	200	0.1	99.4	70-130	1.82	20
Arsenic	194		2.5	200	1.2	96.4	70-130	2.26	20
Lead	200		2.5	200	0.2	100	70-130	1.17	20
Selenium	186		5.0	200	1.2	92.4	70-130	3.42	20
Thallium	198		2.5	200	0.07	98.8	70-130	2.04	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

Blank (B7K0207-BLK1)

Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Antimony	U		0.5
Arsenic	U		0.5
Lead	U		0.5
Selenium	U		1.0
Thallium	U		0.5

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

LCS (B7K0207-BS1)

Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Antimony	186		0.5	200	92.9	85-115
Arsenic	197		0.5	200	98.6	85-115
Lead	202		0.5	200	101	85-115
Selenium	195		1.0	200	97.6	85-115
Thallium	196		0.5	200	97.9	85-115

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

Matrix Spike (B7K0207-MS1)

Source: 1710024-27 Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	194		2.5	200	0.3	96.8	70-130
Arsenic	204		2.5	200		102	70-130
Lead	205		2.5	200	1.6	102	70-130
Selenium	204		5.0	200	0.04	102	70-130
Thallium	203		2.5	200		102	70-130

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

Matrix Spike Dup (B7K0207-MSD1)

Source: 1710024-27 Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	195		2.5	200	0.3	97.2	70-130	0.33	20
Arsenic	205		2.5	200		102	70-130	0.30	20
Lead	202		2.5	200	1.6	100	70-130	1.40	20
Selenium	203		5.0	200	0.04	101	70-130	0.68	20
Thallium	201		2.5	200		100	70-130	1.25	20

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

Matrix Spike (B7K0207-MS2)

Source: 1710025-15 Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Antimony	202		2.5	200	0.2	101	70-130
Arsenic	211		2.5	200	0.1	105	70-130
Lead	210		2.5	200	0.09	105	70-130
Selenium	208		5.0	200		104	70-130
Thallium	207		2.5	200		104	70-130

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - ICP/MS - Quality Control

Batch: B7K0207 **Sample Type: Liquid**

Matrix Spike Dup (B7K0207-MSD2)

Source: 1710025-15 Prepared: 11/2/2017 Analyzed: 11/30/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Antimony	197		2.5	200	0.2	98.4	70-130	2.52	20
Arsenic	207		2.5	200	0.1	103	70-130	1.91	20
Lead	203		2.5	200	0.09	101	70-130	3.27	20
Selenium	204		5.0	200		102	70-130	1.90	20
Thallium	200		2.5	200		100	70-130	3.47	20

Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Blank (B7K0111-BLK1)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Blank (B7K0111-BLK2)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Blank (B7K0111-BLK3)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Blank (B7K0111-BLK4)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Blank (B7K0111-BLK5)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

LCS (B7K0111-BS1)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.873		0.200	1.00	87.3	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

LCS (B7K0111-BS2)

Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.949		0.200	1.00	94.9	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike (B7K0111-MS1)

Source: 1710008-03 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.00		0.200	1.00		100	75-125

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike Dup (B7K0111-MSD1)

Source: 1710008-03 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.02		0.200	1.00		102	75-125	1.98	20

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike (B7K0111-MS2)

Source: 1710008-07 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	0.985		0.200	1.00		98.5	75-125

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike Dup (B7K0111-MSD2)

Source: 1710008-07 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	0.972		0.200	1.00		97.2	75-125	1.33	20

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike (B7K0111-MS3)

Source: 1710013-19 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	0.899		0.200	1.00		89.9	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K0111 **Sample Type: Liquid**

Matrix Spike Dup (B7K0111-MSD3)

Source: 1710013-19 Prepared: 11/1/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	0.883		0.200	1.00		88.3	75-125	1.80	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Blank (B7K1305-BLK1)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Blank (B7K1305-BLK2)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Blank (B7K1305-BLK3)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

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Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Blank (B7K1305-BLK4)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Blank (B7K1305-BLK5)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit
Mercury	U		0.200

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

LCS (B7K1305-BS1)

Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Mercury	0.826		0.200	1.00	82.6	80-120

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Matrix Spike (B7K1305-MS1)

Source: 1710024-27 Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.11		0.200	1.00		111	75-125

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Matrix Spike Dup (B7K1305-MSD1)

Source: 1710024-27 Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.02		0.200	1.00		102	75-125	8.45	20

Environmental Protection Agency

Region 6 Laboratory

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Matrix Spike (B7K1305-MS2)

Source: 1710025-15 Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Mercury	1.08		0.200	1.00		108	75-125

Environmental Protection Agency

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Metals (Dissolved) by CLP ILMO5.3 - CVAAS - Quality Control

Batch: B7K1305 **Sample Type: Liquid**

Matrix Spike Dup (B7K1305-MSD2)

Source: 1710025-15 Prepared: 11/13/2017 Analyzed: 11/14/2017

Targets

ANALYTE	Result µg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Mercury	1.01		0.200	1.00		101	75-125	6.70	20

Wet Chemistry - Quality Control

Environmental Protection Agency

Region 6 Laboratory

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Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Blank (B7K1406-BLK1)

Prepared: 10/25/2017 Analyzed: 10/25/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Total Alkalinity	**<2**		10.0

Environmental Protection Agency

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Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Blank (B7K1406-BLK2)

Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Total Alkalinity	**<2**		10.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Blank (B7K1406-BLK3)

Prepared: 10/27/2017 Analyzed: 10/27/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Total Alkalinity	**<2**		10.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike (B7K1406-MS1)

Source: 1710012-06 Prepared: 10/25/2017 Analyzed: 10/25/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Total Alkalinity	297			263	58.2	90.9	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike Dup (B7K1406-MSD1)

Source: 1710012-06 Prepared: 10/25/2017 Analyzed: 10/25/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Total Alkalinity	293			263	58.2	89.2	80-120	1.49	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike (B7K1406-MS2)

Source: 1710013-21 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Total Alkalinity	281			263	53.8	86.5	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike Dup (B7K1406-MSD2)

Source: 1710013-21 Prepared: 10/26/2017 Analyzed: 10/26/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Total Alkalinity	275			263	53.8	84.3	80-120	2.08	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike (B7K1406-MS3)

Source: 1710020-03 Prepared: 10/27/2017 Analyzed: 10/27/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Total Alkalinity	305			263	63.0	91.9	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Wet Chemistry - Quality Control

Batch: B7K1406 **Sample Type: Liquid**

Matrix Spike Dup (B7K1406-MSD3)

Source: 1710020-03 Prepared: 10/27/2017 Analyzed: 10/27/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Total Alkalinity	299			263	63.0	89.9	80-120	1.72	20

Hardness by EPA Method 130.2 - Quality Control

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Blank (B7K1509-BLK1)

Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Hardness	**<0.1**		10.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
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Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Blank (B7K1509-BLK2)

Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Hardness	**<0.1**		10.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Blank (B7K1509-BLK3)

Prepared: 11/8/2017 Analyzed: 11/8/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit
Hardness	**<0.1**		10.0

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike (B7K1509-MS1)

Source: 1710012-13 Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hardness	113		10.0	50.0	61.2	103	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike Dup (B7K1509-MSD1)

Source: 1710012-13 Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hardness	111		10.0	50.0	61.2	99.2	80-120	1.79	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike (B7K1509-MS2)

Source: 1710013-21 Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hardness	110		10.0	50.0	60.4	99.2	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike Dup (B7K1509-MSD2)

Source: 1710013-21 Prepared: 11/2/2017 Analyzed: 11/2/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hardness	112		10.0	50.0	60.4	103	80-120	1.80	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike (B7K1509-MS3)

Source: 1710020-03 Prepared: 11/8/2017 Analyzed: 11/8/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Hardness	112		10.0	50.0	62.0	99.2	80-120

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Hardness by EPA Method 130.2 - Quality Control

Batch: B7K1509 **Sample Type: Liquid**

Matrix Spike Dup (B7K1509-MSD3)

Source: 1710020-03 Prepared: 11/8/2017 Analyzed: 11/8/2017

Targets

ANALYTE	Result mg/L	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hardness	116		10.0	50.0	62.0	108	80-120	3.87	20

pH by EPA Method 9045D - Quality Control

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D - Quality Control

Batch: B7K0603 **Sample Type: Solid**

Duplicate (B7K0603-DUP1)

Source: 1710008-01 Prepared: 11/7/2017 Analyzed: 11/7/2017

Targets

ANALYTE	Result pH Units	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD	RPD Limit
pH	7.0				6.6	6.46	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D - Quality Control

Batch: B7K0603 **Sample Type: Solid**

Duplicate (B7K0603-DUP2)

Source: 1710013-02 Prepared: 11/7/2017 Analyzed: 11/7/2017

Targets

ANALYTE	Result pH Units	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD	RPD Limit
pH	7.0				7.0	0.29	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

pH by EPA Method 9045D - Quality Control

Batch: B7K0603 **Sample Type: Solid**

Duplicate (B7K0603-DUP3)

Source: 1710018-16 Prepared: 11/7/2017 Analyzed: 11/7/2017

Targets

ANALYTE	Result pH Units	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	RPD	RPD Limit
pH	7.4				7.4	0.14	20

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

VOA CLP Low Level

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
1710008-02	103	99.4	97.4
1710008-04	101	97.2	99.5
1710008-06	96.5	96.0	97.8
1710008-09	99.3	96.2	97.1
1710008-11	100	96.2	97.4
1710012-01	99.5	95.8	96.3
1710012-04	100	97.5	95.1
1710012-06	100	96.4	96.3
1710012-11	101	97.9	97.5
1710012-13	107	94.2	94.2
1710012-15	102	96.3	95.7
1710012-18	102	97.7	95.2
1710012-20	98.1	96.6	95.8
1710013-03	110	94.1	89.9
1710013-05	108	93.1	87.9
1710013-07	113	97.4	91.6
1710013-08	109	93.0	91.8
1710013-10	110	96.6	91.5
1710013-12	115	95.0	90.3
1710013-14	110	92.1	89.5
1710013-15	108	94.1	89.6
1710013-18	108	94.5	89.6
1710013-21	111	94.6	91.9
1710013-23	106	92.6	87.7
1710018-05	100	94.4	86.6
1710018-06	103	94.4	86.8
1710018-07	98.3	93.7	87.2
1710018-09	99.8	95.2	89.8
1710018-11	101	94.4	89.8
1710018-18	100	94.9	88.2
B7J1722-BLK1	97.4	96.0	95.5
B7J1722-BLK2	105	94.2	92.9
B7J1722-BLK3	102	93.2	87.6
B7J1722-BS1	99.6	100	101
B7J1722-BS2	108	96.7	97.9

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

VOA CLP Low Level

Liquid

LAB NUMBER	1,2-DCE-d4	TOL-d8	4-BFB
B7J1722-BS3	98.7	102	99.1
B7J1722-MS1	97.1	98.5	99.7
B7J1722-MS2	111	98.7	99.0
B7J1722-MSD1	101	98.7	101
B7J1722-MSD2	108	99.1	97.6

			QC LIMITS
1,2-DCE-d4	=	1,2-Dichloroethane-d4	86 - 117
TOL-d8	=	Toluene-d8	85 - 113
4-BFB	=	4-Bromofluorobenzene	73 - 115

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

ABN 8270D SIM

Liquid

LAB NUMBER	2-FP	PH-d5	2-CP-d4	1,2-DCB-d4	NB-d5	2-FBP	2,4,6-TBP	TP-d14
1710008-02	65.2	66.9	71.7	58.8	77.2	62.0	85.5	86.0
1710008-06	68.0	70.8	74.1	65.0	78.2	67.2	92.8	80.8
1710008-09	66.9	68.5	73.2	63.2	79.6	65.2	91.1	83.0
1710012-04	65.7	66.8	71.9	60.0	77.2	64.0	88.0	91.8
1710012-06	64.8	68.3	71.6	61.4	77.4	65.4	91.7	82.0
1710012-11	61.9	63.2	67.9	58.6	74.0	60.8	85.9	89.4
1710012-13	62.8	67.1	70.0	57.4	76.8	64.2	88.5	75.2
1710012-15	66.1	70.5	73.1	58.0	80.4	65.6	91.6	79.2
1710012-18	68.0	73.6	75.2	58.8	81.6	68.2	95.9	81.2
1710013-03	68.7	70.0	74.8	69.0	76.8	68.8	90.5	91.0
1710013-05	80.1	83.1	87.5	76.2	88.0	78.4	106	104
1710013-08	68.4	69.7	74.5	68.2	77.4	69.6	89.7	109
1710013-10	63.6	66.0	69.9	61.4	72.6	64.8	82.9	90.8
1710013-12	70.5	73.9	77.5	69.0	80.6	72.8	91.6	108
1710013-14	71.6	75.2	77.9	67.8	79.4	72.6	96.0	120
1710013-15	68.1	70.1	74.1	68.2	76.6	69.8	90.0	112
1710013-18	75.2	79.5	82.3	74.2	84.8	77.4	95.1	107
1710013-21	82.0	85.7	90.0	79.8	93.2	82.8	97.6	87.2
1710018-05	70.0	74.4	76.8	67.2	79.2	72.4	92.1	103
1710018-06	74.1	77.6	80.9	71.8	82.6	76.2	102	114
1710018-07	69.1	71.7	75.5	68.4	79.0	73.4	94.7	126 #
1710018-09	69.5	71.6	75.7	69.0	78.0	72.0	92.5	118
1710020-01	62.5	65.3	68.9	61.6	71.4	65.4	87.2	98.6
1710020-11	63.5	66.8	70.4	61.8	72.4	68.0	93.6	107
1710020-12	65.3	69.1	72.3	65.0	74.2	71.4	97.2	108
B7J1903-BLK1	81.6	84.5	88.5	72.4	94.0	74.6	99.3	84.4
B7J1903-BS1	94.5	101	104 #	83.2	107	89.6	106	88.0
B7J1903-MS1	77.6	79.7	86.0	66.6	91.2	77.2	90.1	85.6
B7J1903-MSD1	81.6	83.5	89.6	74.4	93.6	77.4	92.9	81.8
B7J1906-BLK1	82.0	85.3	88.1	73.0	88.0	78.0	102	90.8
B7J1906-BS1	92.0	96.3	99.7	79.0	99.8	87.8	103	93.0
B7J2408-BLK1	81.1	83.5	87.7	73.6	88.2	79.6	102	114
B7J2408-BS1	92.1	97.2	100	79.4	101	90.0	105	101
B7J2408-MS1	72.1	72.5	79.2	72.2	84.0	73.0	81.5	112
B7J2408-MSD1	57.2	56.1	63.7	57.4	68.2	59.0	64.9	102

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

ABN 8270D SIM

Liquid

LAB NUMBER	2-FP	PH-d5	2-CP-d4	1,2-DCB-d4	NB-d5	2-FBP	2,4,6-TBP	TP-d14
B7J2515-BLK1	67.7	72.8	74.7	62.8	74.8	70.2	92.0	104
B7J2515-BS1	90.7	96.0	99.1	81.2	99.8	88.4	104	105

			QC LIMITS
2-FP	=	2-Fluorophenol	42 - 109
PH-d5	=	Phenol-d5	46 - 110
2-CP-d4	=	2-Chlorophenol-d4	47 - 103
1,2-DCB-d4	=	1,2-Dichlorobenzene-d4	33 - 100
NB-d5	=	Nitrobenzene-d5	42 - 126
2-FBP	=	2-Fluorobiphenyl	50 - 104
2,4,6-TBP	=	2,4,6-Tribromophenol	59 - 142
TP-d14	=	Terphenyl-d14	61 - 125

ABN CLP Low Level

Liquid

LAB NUMBER	2-FP	PH-d5	2-CP-d4	1,2-DCB-d4	NB-d5	2-FBP	2,4,6-TBP	TP-d14
1710008-02	69.2	67.1	70.1	59.0	74.4	64.2	88.9	96.6
1710008-06	74.1	72.4	76.1	67.0	72.8	70.2	100	86.2
1710008-09	70.1	68.4	72.5	64.6	76.8	68.0	92.1	97.2
1710012-04	69.1	66.5	70.3	60.2	75.6	66.6	90.0	99.4
1710012-06	68.7	67.5	70.1	61.6	73.8	67.4	95.2	98.4
1710012-11	67.3	63.9	68.4	59.6	71.0	63.6	88.0	102
1710012-13	65.9	67.6	68.4	57.8	72.4	68.2	92.5	92.8
1710012-15	70.4	70.4	72.4	59.0	78.4	68.6	95.7	101
1710012-18	71.7	73.3	74.3	59.4	78.0	70.8	98.3	99.8
1710013-03	72.9	70.4	74.5	70.6	76.2	69.0	89.2	91.4
1710013-05	84.8	83.1	87.2	78.2	89.0	80.2	106	102
1710013-08	73.7	71.1	74.5	70.4	78.6	71.2	91.6	116
1710013-10	69.2	67.5	70.8	63.2	73.0	65.6	82.7	90.4
1710013-12	73.5	75.7	78.5	72.0	83.8	73.2	91.9	104
1710013-14	74.9	72.8	76.4	67.8	83.0	74.4	95.5	111
1710013-15	71.1	68.8	71.7	68.2	77.8	70.0	90.3	97.0
1710013-18	79.7	79.3	81.6	75.0	88.2	79.8	98.9	112
1710013-21	88.8	87.6	91.7	82.0	95.8	86.4	101	90.8
1710018-05	75.7	76.5	77.7	68.6	79.2	74.8	94.0	107
1710018-06	80.0	79.9	81.2	73.6	87.0	76.6	102	125
1710018-07	74.1	72.0	74.7	69.2	79.6	75.2	93.9	115
1710018-09	75.5	73.3	76.1	70.8	81.0	73.4	90.4	101

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

SURROGATE SUMMARY REPORT

ABN CLP Low Level

Liquid

LAB NUMBER	2-FP	PH-d5	2-CP-d4	1,2-DCB-d4	NB-d5	2-FBP	2,4,6-TBP	TP-d14
1710020-01	66.8	65.2	68.3	62.4	72.8	65.0	87.6	91.4
1710020-11	68.4	69.5	70.5	63.0	69.0	67.8	87.5	85.8
1710020-12	72.7	72.1	73.9	67.0	70.6	71.8	92.7	103
B7J1903-BLK1	85.6	85.1	86.3	73.6	85.0	80.6	97.1	101
B7J1903-BS1	101	101	103	85.2	98.6	94.8	109	103
B7J1903-MS1	84.1	81.2	86.5	69.4	86.4	81.4	97.6	82.8
B7J1903-MSD1	87.2	83.6	86.9	75.0	91.4	80.8	104	100
B7J1906-BLK1	86.4	84.8	88.1	73.8	88.0	81.0	98.9	109
B7J1906-BS1	87.5	93.6	94.0	81.2	102	91.4	81.9	105
B7J2408-BLK1	86.5	85.5	88.7	74.2	91.2	80.4	103	107
B7J2408-BS1	99.7	99.1	102	81.8	104	92.2	106	109
B7J2408-MS1	77.9	74.9	80.1	73.6	87.6	75.6	80.8	104
B7J2408-MSD1	61.2	56.7	63.5	58.0	71.0	59.2	63.6	86.2
B7J2515-BLK1	72.5	74.3	74.9	65.6	76.6	69.2	89.1	104
B7J2515-BS1	96.5	96.5	97.2	81.2	105	90.2	101	109

			QC LIMITS
2-FP	=	2-Fluorophenol	42 - 109
PH-d5	=	Phenol-d5	46 - 110
2-CP-d4	=	2-Chlorophenol-d4	47 - 103
1,2-DCB-d4	=	1,2-Dichlorobenzene-d4	33 - 100
NB-d5	=	Nitrobenzene-d5	42 - 126
2-FBP	=	2-Fluorobiphenyl	50 - 104
2,4,6-TBP	=	2,4,6-Tribromophenol	59 - 142
TP-d14	=	Terphenyl-d14	61 - 125

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Results

from

TCEQ Sugar Land Laboratory
12553 W. Airport Blvd
Sugar Land, TX 77478

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Miscellaneous Results
(TCEQ)

Batch: TCEQ Matrix: Liquid

Laboratory ID	Station ID	Total Dissolved Solids mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1710008-02	C1-SW	218	TQ04	SM18 2540C	10/17/17
1710008-06	SCBR-SW-02	150	TQ04	SM18 2540C	10/17/17
1710008-09	SC-SW-02	177	TQ04	SM18 2540C	10/17/17
1710012-04	SCPPE-SW-01	146		SM18 2540C	10/24/17
1710012-06	SCPPE-SW-03	133		SM18 2540C	10/24/17
1710012-11	SC-SW-04	140		SM18 2540C	10/24/17
1710012-13	SC-SW-06	144		SM18 2540C	10/24/17
1710012-15	SC-SW-08	137		SM18 2540C	10/24/17
1710012-18	SCUC1c-SW	124		SM18 2540C	10/24/17
1710013-03	ET-SW-05	294		SM18 2540C	10/24/17
1710013-05	ET-SW-07	688		SM18 2540C	10/24/17
1710013-08	P6-SW-01	130		SM18 2540C	10/24/17
1710013-10	P6-SW-02	117		SM18 2540C	10/24/17
1710013-12	P6-SW-04	117		SM18 2540C	10/24/17
1710013-14	P6-SW-05	124		SM18 2540C	10/24/17
1710013-15	P6-SW-05-D	122		SM18 2540C	10/24/17
1710013-18	P6-SW-07	122		SM18 2540C	10/24/17
1710013-21	SCUC1a-SW	111		SM18 2540C	10/24/17
1710018-05	ET-SW-01	190		SM18 2540C	10/24/17
1710018-06	ET-SW-02	125		SM18 2540C	10/24/17
1710018-07	ET-SW-03	129		SM18 2540C	10/24/17
1710018-09	ET-SW-04	107		SM18 2540C	10/24/17

Batch: TCEQ Matrix: Liquid

Laboratory ID	Station ID	Total Organic Carbon, NPOC mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1710008-02	C1-SW	7		SM21 5310B	11/02/17
1710008-06	SCBR-SW-02	8		SM21 5310B	11/02/17

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Miscellaneous Results
(TCEQ)

Batch: TCEQ Matrix: Liquid

Laboratory ID	Station ID	Total Organic Carbon, NPOC mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1710008-09	SC-SW-02	8		SM21 5310B	11/02/17
1710012-04	SCPPE-SW-01	9		SM21 5310B	11/03/17
1710012-06	SCPPE-SW-03	8		SM21 5310B	11/03/17
1710012-11	SC-SW-04	9		SM21 5310B	11/03/17
1710012-13	SC-SW-06	9		SM21 5310B	11/03/17
1710012-15	SC-SW-08	9		SM21 5310B	11/03/17
1710012-18	SCUC1c-SW	9		SM21 5310B	11/03/17
1710013-03	ET-SW-05	6		SM21 5310B	11/03/17
1710013-05	ET-SW-07	2		SM21 5310B	11/03/17
1710013-08	P6-SW-01	8		SM21 5310B	11/03/17
1710013-10	P6-SW-02	8		SM21 5310B	11/03/17
1710013-12	P6-SW-04	8		SM21 5310B	11/06/17
1710013-14	P6-SW-05	8		SM21 5310B	11/06/17
1710013-15	P6-SW-05-D	8		SM21 5310B	11/06/17
1710013-18	P6-SW-07	8		SM21 5310B	11/06/17
1710013-21	SCUC1a-SW	9		SM21 5310B	11/06/17
1710018-05	ET-SW-01	7		SM21 5310B	11/06/17
1710018-06	ET-SW-02	8		SM21 5310B	11/06/17
1710018-07	ET-SW-03	8		SM21 5310B	11/06/17
1710018-09	ET-SW-04	8		SM21 5310B	11/06/17

Batch: TCEQ Matrix: Liquid

Laboratory ID	Station ID	Total Suspended Solids mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1710008-02	C1-SW	*	TQ05	2540D	10/20/17
1710008-06	SCBR-SW-02	*	TQ05	2540D	10/20/17
1710008-09	SC-SW-02	*	TQ05	2540D	10/20/17
1710012-04	SCPPE-SW-01	*	TQ05	2540D	10/20/17

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Miscellaneous Results
(TCEQ)

Batch: TCEQ Matrix: Liquid

Laboratory ID	Station ID	Total Suspended Solids mg/L	Analyte Qualifier	Specific Method	Date Analyzed
1710012-06	SCPPE-SW-03	*	TQ05	2540D	10/20/17
1710012-11	SC-SW-04	*	TQ05	2540D	10/20/17
1710012-13	SC-SW-06	*	TQ05	2540D	10/20/17
1710012-15	SC-SW-08	*	TQ05	2540D	10/20/17
1710012-18	SCUC1c-SW	*	TQ05	2540D	10/20/17
1710013-03	ET-SW-05	*	TQ05	2540D	10/20/17
1710013-05	ET-SW-07	*	TQ05	2540D	10/20/17
1710013-08	P6-SW-01	*	TQ05	2540D	10/20/17
1710013-10	P6-SW-02	*	TQ05	2540D	10/20/17
1710013-12	P6-SW-04	*	TQ05	2540D	10/20/17
1710013-14	P6-SW-05	*	TQ05	2540D	10/20/17
1710013-15	P6-SW-05-D	*	TQ05	2540D	10/20/17
1710013-18	P6-SW-07	*	TQ05	2540D	10/20/17
1710013-21	SCUC1a-SW	*	TQ05	2540D	10/20/17
1710018-05	ET-SW-01	*	TQ05	2540D	10/20/17
1710018-06	ET-SW-02	*	TQ05	2540D	10/20/17
1710018-07	ET-SW-03	*	TQ05	2540D	10/20/17
1710018-09	ET-SW-04	*	TQ05	2540D	10/20/17

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

The units for surrogates on VOA solid samples are reported in µg/L instead of the expected µg/Kg for a solid sample. The difference is because the surrogate spiking procedure is a post sample preparation addition, and the units are based on the concentration of the surrogate in the diluted extract, not the solid sample.

TQ05	The sample was not analyzed due to analytical error. No further corrective action could be taken since the sample holding time exceeded.
TQ04	The precision (%RPD) for the LCS duplicate is 31.2%, which is outside of the 0-20% acceptance limits. Sample could not be re-analyzed due to exceeded hold time. Data is likely affected.
J	The identification of the analyte is acceptable; the reported value is an estimate.
BioAlk	<2
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
ABN	Acid Base Neutrals (Semivolatile Compounds)
AES	Atomic Emission Spectrometer
BS	Blank Spike
CVAA	Cold Vapor Atomic Absorption
DCB	Decachlorobiphenyl
ECD	Electron Capture Detector
GC	Gas Chromatograph
ICP	Inductively Coupled Plasma
ISTD	Internal Standard
LCS	Laboratory Control Sample
MS	Mass Spectrometer
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

PCB	Polychlorinatedbiphenyl
RL	Reporting Limit
RT	Retention Time
RPD	Relative Percent Difference
TCLP	Toxicity Characteristic Leaching Procedure
TCMX	Tetrachloro-meta-xylene
U	Undetected
VOA	Volatile Organic Analysis
#	Out of QC limits
>LR	The result was greater than the linear range.

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

USEPA CLP COC (LAB COPY)

DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0960 0963

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101617-161938-0011

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
C1-SD-0.5		Sediment/ Brandon Gin	Grab	pH(35)	715 (Ice to 4C) (1)	C1-SD-0.5	10/16/2017 14:40	
C1-SW		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	272 (Ice to 4C) (2)	C1-SW	10/16/2017 13:30	
SCBR-SD-02-0.5		Sediment/ Brandon Gin	Grab	pH(35)	716 (Ice to 4C) (1)	SCBR-SD-02-0.5	10/16/2017 15:30	
SC-SD-02-0.5		Sediment/ Brandon Gin	Grab	pH(35)	717 (Ice to 4C) (1)	SC-SD-02-0.5	10/16/2017 16:30	
SC-SW-02		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	294 (Ice to 4C) (2)	SC-SW-02	10/16/2017 16:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: pH=pH, ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/16/2017 1700	[signature] EA	10/16/2017 1700	
	[signature] EA	10/16/2017 1900	FedEx	10/16/2017 1900	
			A Cross	10/17/17 9:15	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)
DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0944 1773

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101617-155834-0009
Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
C1-SW		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	270 (Ice to 4C & HCl), 271 (Ice to 4C & HCl) (6)	C1-SW	10/16/2017 13:30	
FB-171016		Water/ John Bonner	Grab	VOA(35)	704 (Ice to 4C & HCl) (3)	FB-171016	10/16/2017 14:45	
SCBR-SW-02		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	282 (Ice to 4C & HCl), 283 (Ice to 4C & HCl) (18)	SCBR-SW-02	10/16/2017 15:30	
SC-SW-02		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	292 (Ice to 4C & HCl), 293 (Ice to 4C & HCl) (6)	SC-SW-02	10/16/2017 16:30	
TB-171016		Water/ Maria Briceno	Grab	VOA(35), EDB(35)	696 (Ice to 4C & HCl), 697 (Ice to 4C & HCl) (6)	TB-171016	10/16/2017 08:00	

Sample(s) to be used for Lab QC: SCBR-SW-02 Tag 282, SCBR-SW-02 Tag 283

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA, EDB=EDB

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/16/2017 1700	EA	10/16/2017 1700	
	John T Bo EA	10/16/2017 1700		10/16/2017 1700	
	EA	10/16/2017 1900	FedEx	10/16/2017 1900	
				10/17/17/9:15	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0960 8725

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101617-163038-0013

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
C1-SW-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	274 (Ice to 4C & HNO3) (1)	C1-SW-F	10/16/2017 13:30	
SCBR-SW-02-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	286 (Ice to 4C & HNO3) (2)	SCBR-SW-02-F	10/16/2017 15:30	
SC-SW-02-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	296 (Ice to 4C & HNO3) (1)	SC-SW-02-F	10/16/2017 16:30	
C1-SW		Surface Water/ Brandon Gin	Grab	TM+Hg(35)	273 (Ice to 4C & HNO3) (1)	C1-SW	10/16/2017 13:30	
SCBR-SW-02		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35)	285 (Ice to 4C & HNO3), 287 (Ice to 4C & NaOH) (4)	SCBR-SW-02	10/16/2017 15:30	
SC-SW-02		Surface Water/ Brandon Gin	Grab	TM+Hg(35)	295 (Ice to 4C & HNO3) (1)	SC-SW-02	10/16/2017 16:30	

Sample(s) to be used for Lab QC: SCBR-SW-02-F Tag 286, SCBR-SW-02 Tag 285, SCBR-SW-02 Tag 287

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/16/2017 1700	[signature] EA	10/16/2017 1700	
	[signature] EA	10/16/2017 1900	FedEx [signature]	10/16/2017 1900	
				10/17/17 9:15	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0984 1649

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101617-164259-0014

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
C1-SW-F		Surface Water/ Brandon Gin	Grab	D Hex Cr(35)	281 (Ice to 4C & (M218.7)) (2)	C1-SW-F	10/16/2017 13:30	
SC-SW-02-F		Surface Water/ Brandon Gin	Grab	D Hex Cr(35)	303 (Ice to 4C & (M218.7)) (1)	SC-SW-02-F	10/16/2017 16:30	
C1-SW		Surface Water/ Brandon Gin	Grab	Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	275 (Ice to 4C & NaOH), 276 (Ice to 4C & HNO3), 277 (Ice to 4C), 280 (Ice to 4C & (M218.7)) (5)	C1-SW	10/16/2017 13:30	
SCBR-SW-02		Surface Water/ Brandon Gin	Grab	Hardness(35), Alkalinity(35)	288 (Ice to 4C & HNO3), 289 (Ice to 4C) (2)	SCBR-SW-02	10/16/2017 15:30	
SC-SW-02		Surface Water/ Brandon Gin	Grab	Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	297 (Ice to 4C & NaOH), 298 (Ice to 4C & HNO3), 299 (Ice to 4C), 302 (Ice to 4C & (M218.7)) (4)	SC-SW-02	10/16/2017 16:30	

Sample(s) to be used for Lab QC: C1-SW-F Tag 281, C1-SW Tag 280

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: D Hex Cr=Dissolved Hexavalent Chromium, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, T Hex Cr=Total Hexavalent Chromium

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/16/2017 1700	EA	10/16/2017 1700	
	EA	10/16/2017 1900	FedEx	10/16/2017 1900	
				10/17/17 9:15	

Temp Blank = 0° Not Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0961 6263

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101617-164815-0015

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
C1-SW		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	278 (Ice to 4C & HCl), 279 (Ice to 4C) (2)	C1-SW	10/16/2017 13:30	
SCBR-SW-02		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	290 (Ice to 4C & HCl), 291 (Ice to 4C) (2)	SCBR-SW-02	10/16/2017 15:30	
SC-SW-02		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	300 (Ice to 4C & HCl), 301 (Ice to 4C) (2)	SC-SW-02	10/16/2017 16:30	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/16/2017 1700	[signature] EA	10/16/2017 1700	
	[signature] EA	10/16/2017 1900	FEDEX	10/16/2017 1900	
			[signature]	10/17/17 9:15	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)
DateShipped: 10/16/2017
CarrierName: FedEx
AirbillNo: 7705 0959 2078

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101617-161234-0010
Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCBR-SW-02		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	284 (Ice to 4C) (6)	SCBR-SW-02	10/16/2017 15:30	

Sample(s) to be used for Lab QC: SCBR-SW-02 Tag 284

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/16/2017 17 00	[signature] EA	10/16/2017 17 00	
	[signature] EA	10/16/2017 19 00	FedEx	10/16/2017 19 00	
			[signature]	10/17/17 9:15	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1655 9081

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101717-112856-0017

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
FB-171017		Water/ John Bonner	Grab	VOA(35)	705 (Ice to 4C & HCl) (3)	FB-171017	10/17/2017 13:20	
SCPPE-SW-01		Surface Water/ Maria Briceno	Grab	VOA(35), EDB(35)	314 (Ice to 4C & HCl), 315 (Ice to 4C & HCl) (6)	SCPPE-SW-01	10/17/2017 10:45	
SCPPE-SW-03		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	326 (Ice to 4C & HCl), 327 (Ice to 4C & HCl) (6)	SCPPE-SW-03	10/17/2017 13:30	
SC-SW-04		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	304 (Ice to 4C & HCl), 305 (Ice to 4C & HCl) (6)	SC-SW-04	10/17/2017 09:30	
SC-SW-06		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	336 (Ice to 4C & HCl), 337 (Ice to 4C & HCl) (6)	SC-SW-06	10/17/2017 14:30	
SC-SW-08		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	346 (Ice to 4C & HCl), 347 (Ice to 4C & HCl) (6)	SC-SW-08	10/17/2017 15:30	
SCUC1c-SW		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	356 (Ice to 4C & HCl), 357 (Ice to 4C & HCl) (6)	SCUC1c-SW	10/17/2017 16:15	
TB-171017		Water/ Maria Briceno	Grab	VOA(35), EDB(35)	698 (Ice to 4C & HCl), 699 (Ice to 4C & HCl) (6)	TB-171017	10/17/2017 08:00	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA, EDB=EDB

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 2229 2467

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101717-162013-0028

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCPPE-SD-01-0.5		Sediment/ Brandon Gin	Grab	pH(35)	719 (Ice to 4C) (1)	SCPPE-SD-01-0.5	10/17/2017 10:45	
SCPPE-SD-03-0.5		Sediment/ Brandon Gin	Grab	pH(35)	720 (Ice to 4C) (1)	SCPPE-SD-03-0.5	10/17/2017 13:30	
SC-SD-04-0.5		Sediment/ Maria Briceno	Grab	pH(35)	718 (Ice to 4C) (1)	SC-SD-04-0.5	10/17/2017 09:40	
SC-SD-06-0.5		Sediment/ Brandon Gin	Grab	pH(35)	721 (Ice to 4C) (1)	SC-SD-06-0.5	10/17/2017 14:30	
SC-SD-08-0.5		Sediment/ Brandon Gin	Grab	pH(35)	722 (Ice to 4C) (1)	SC-SD-08-0.5	10/17/2017 15:30	
SC-SW-08		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	354 (Ice to 4C & HCl), 355 (Ice to 4C) (2)	SC-SW-08	10/17/2017 15:30	
SCUC1c-SD-0.5		Sediment/ Brandon Gin	Grab	pH(35)	723 (Ice to 4C) (1)	SCUC1c-SD-0.5	10/17/2017 16:15	
SCUC1c-SW		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	364 (Ice to 4C & HCl), 365 (Ice to 4C) (2)	SCUC1c-SW	10/17/2017 16:15	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: pH=pH, TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = 1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1471 7515

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101717-161427-0027

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SC-SW-08-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	350 (Ice to 4C & HNO3) (1)	SC-SW-08-F	10/17/2017 15:30	
SCUC1c-SW-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	360 (Ice to 4C & HNO3) (1)	SCUC1c-SW-F	10/17/2017 16:15	
SC-SW-08		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	349 (Ice to 4C & HNO3), 351 (Ice to 4C & NaOH), 352 (Ice to 4C & HNO3), 353 (Ice to 4C) (4)	SC-SW-08	10/17/2017 15:30	
SCUC1c-SW		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	359 (Ice to 4C & HNO3), 361 (Ice to 4C & NaOH), 362 (Ice to 4C & HNO3), 363 (Ice to 4C) (4)	SCUC1c-SW	10/17/2017 16:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EAS	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = pc

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1476 2860

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101717-113718-0018

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCPPE-SW-01-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35), D Hex Cr(35)	318 (Ice to 4C & HNO3), 325 (Ice to 4C & (M218.7)) (2)	SCPPE-SW-01-F	10/17/2017 10:45	
SC-SW-04-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	308 (Ice to 4C & HNO3) (1)	SC-SW-04-F	10/17/2017 09:30	
SCPPE-SW-01		Surface Water/ Maria Briceno	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	317 (Ice to 4C & HNO3), 319 (Ice to 4C & NaOH), 320 (Ice to 4C & HNO3), 321 (Ice to 4C), 324 (Ice to 4C & (M218.7)) (5)	SCPPE-SW-01	10/17/2017 10:45	
SC-SW-04		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	307 (Ice to 4C & HNO3), 309 (Ice to 4C & NaOH), 310 (Ice to 4C & HNO3), 311 (Ice to 4C) (4)	SC-SW-04	10/17/2017 09:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, D Hex Cr=Dissolved Hexavalent Chromium, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, T Hex Cr=Total Hexavalent Chromium

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1800	FedEx	10/17/2017 1800	
				10/18/17 9:30	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1474 8710

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101717-115145-0019

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCPPE-SW-01		Surface Water/ Maria Briceno	Grab	ABN-PAHSIM(35)	316 (Ice to 4C) (2)	SCPPE-SW-01	10/17/2017 10:45	
SCPPE-SW-03		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	328 (Ice to 4C) (2)	SCPPE-SW-03	10/17/2017 13:30	
SC-SW-04		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	306 (Ice to 4C) (2)	SC-SW-04	10/17/2017 09:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = 0° Not Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1465 2444

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101717-115846-0020

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCPPE-SW-01		Surface Water/ Maria Briceno	Grab	TOC(35), TSS+TDS(35)	322 (Ice to 4C & HCl), 323 (Ice to 4C) (2)	SCPPE-SW-01	10/17/2017 10:45	
SCPPE-SW-03		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	334 (Ice to 4C & HCl), 335 (Ice to 4C) (2)	SCPPE-SW-03	10/17/2017 13:30	
SC-SW-04		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	312 (Ice to 4C & HCl), 313 (Ice to 4C) (2)	SC-SW-04	10/17/2017 09:30	
SC-SW-06		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	344 (Ice to 4C & HCl), 345 (Ice to 4C) (2)	SC-SW-06	10/17/2017 14:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1466 1107

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101717-142744-0024

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SCPPE-SW-03-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	330 (Ice to 4C & HNO3) (1)	SCPPE-SW-03-F	10/17/2017 13:30	
SC-SW-06-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	340 (Ice to 4C & HNO3) (1)	SC-SW-06-F	10/17/2017 14:30	
SCPPE-SW-03		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	329 (Ice to 4C & HNO3), 331 (Ice to 4C & NaOH), 332 (Ice to 4C & HNO3), 333 (Ice to 4C) (4)	SCPPE-SW-03	10/17/2017 13:30	
SC-SW-06		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	339 (Ice to 4C & HNO3), 341 (Ice to 4C & NaOH), 342 (Ice to 4C & HNO3), 343 (Ice to 4C) (4)	SC-SW-06	10/17/2017 14:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
			S Cross	10/18/17 9:30	

Temp Blank = 1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/17/2017
CarrierName: FedEx
AirbillNo: 7705 1468 1256

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101717-143230-0025

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
SC-SW-06		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	338 (Ice to 4C) (2)	SC-SW-06	10/17/2017 14:30	
SC-SW-08		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	348 (Ice to 4C) (2)	SC-SW-08	10/17/2017 15:30	
SCUC1c-SW		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	358 (Ice to 4C) (2)	SCUC1c-SW	10/17/2017 16:15	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/17/2017 1700	EA	10/17/2017 1700	
	EA	10/17/2017 1900	FedEx	10/17/2017 1900	
				10/18/17 9:30	

Temp Blank = 1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2610 0219

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-110002-0034

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-05-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	254 (Ice to 4C & HNO3) (1)	ET-SW-05-F	10/18/2017 11:30	
P6-SW-04-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	568 (Ice to 4C & HNO3) (1)	P6-SW-04-F	10/18/2017 16:00	
ET-SW-05		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	253 (Ice to 4C & HNO3), 255 (Ice to 4C & NaOH), 256 (Ice to 4C & HNO3), 257 (Ice to 4C) (4)	ET-SW-05	10/18/2017 11:30	
P6-SW-04		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	567 (Ice to 4C & HNO3), 569 (Ice to 4C & NaOH), 570 (Ice to 4C & HNO3), 571 (Ice to 4C) (4)	P6-SW-04	10/18/2017 16:00	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2613 1803

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-160152-0043

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-05-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	578 (Ice to 4C & HNO3) (1)	P6-SW-05-F	10/18/2017 15:30	
P6-SW-05-F-D		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	648 (Ice to 4C & HNO3) (1)	P6-SW-05-F-D	10/18/2017 15:30	
P6-SW-05		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	577 (Ice to 4C & HNO3), 579 (Ice to 4C & NaOH), 580 (Ice to 4C & HNO3), 581 (Ice to 4C) (4)	P6-SW-05	10/18/2017 15:30	
P6-SW-05-D		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	647 (Ice to 4C & HNO3), 649 (Ice to 4C & NaOH), 650 (Ice to 4C & HNO3), 651 (Ice to 4C) (4)	P6-SW-05-D	10/18/2017 15:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	10/18/2017 1700	[signature] EA	10/18/2017 1700	
	[signature] EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2608 8328

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101817-110002-0033

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-05		Surface Water/ Brandon Gin	Grab	VOA(35)	250 (Ice to 4C & HCl) (3)	ET-SW-05	10/18/2017 11:30	
ET-SW-07		Surface Water/ Brandon Gin	Grab	VOA(35)	260 (Ice to 4C & HCl) (3)	ET-SW-07	10/18/2017 10:45	
FB-171018		Water/ Brian Taylor	Grab	VOA(35)	706 (Ice to 4C & HCl) (3)	FB-171018	10/18/2017 14:00	
P6-SW-01		Surface Water/ Brandon Gin	Grab	VOA(35)	544 (Ice to 4C & HCl) (3)	P6-SW-01	10/18/2017 17:00	
P6-SW-02		Surface Water/ Brandon Gin	Grab	VOA(35)	554 (Ice to 4C & HCl) (3)	P6-SW-02	10/18/2017 16:30	
P6-SW-04		Surface Water/ Brandon Gin	Grab	VOA(35)	564 (Ice to 4C & HCl) (3)	P6-SW-04	10/18/2017 16:00	
P6-SW-05		Surface Water/ Brandon Gin	Grab	VOA(35)	574 (Ice to 4C & HCl) (3)	P6-SW-05	10/18/2017 15:30	
P6-SW-05-D		Surface Water/ Brandon Gin	Grab	VOA(35)	644 (Ice to 4C & HCl) (3)	P6-SW-05-D	10/18/2017 15:30	
P6-SW-07		Surface Water/ Brandon Gin	Grab	VOA(35)	584 (Ice to 4C & HCl) (9)	P6-SW-07	10/18/2017 14:00	
SCUC1a-SW		Surface Water/ Brandon Gin	Grab	VOA(35)	366 (Ice to 4C & HCl) (3)	SCUC1a-SW	10/18/2017 09:15	
TB-171018		Water/ Maria Briceno	Grab	VOA(35)	700 (Ice to 4C & HCl) (3)	TB-171018	10/18/2017 08:00	

Sample(s) to be used for Lab QC: P6-SW-07 Tag 584

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOA=VOA

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	10/18/2017 1700	[signature] EA	10/18/2017 1700	
	[signature] EA	10/18/2017 1700	[signature] EA	10/18/2017 1700	
	[signature] EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 0°C "not frozen"		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2611 8714

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101817-140932-0041

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-05		Surface Water/ Brandon Gin	Grab	EDB(35)	251 (Ice to 4C & HCl) (3)	ET-SW-05	10/18/2017 11:30	
ET-SW-07		Surface Water/ Brandon Gin	Grab	EDB(35)	261 (Ice to 4C & HCl) (3)	ET-SW-07	10/18/2017 10:45	
P6-SW-01		Surface Water/ Brandon Gin	Grab	EDB(35)	545 (Ice to 4C & HCl) (3)	P6-SW-01	10/18/2017 17:00	
P6-SW-02		Surface Water/ Brandon Gin	Grab	EDB(35)	555 (Ice to 4C & HCl) (3)	P6-SW-02	10/18/2017 16:30	
P6-SW-04		Surface Water/ Brandon Gin	Grab	EDB(35)	565 (Ice to 4C & HCl) (3)	P6-SW-04	10/18/2017 16:00	
P6-SW-05		Surface Water/ Brandon Gin	Grab	EDB(35)	575 (Ice to 4C & HCl) (3)	P6-SW-05	10/18/2017 15:30	
P6-SW-05-D		Surface Water/ Brandon Gin	Grab	EDB(35)	645 (Ice to 4C & HCl) (3)	P6-SW-05-D	10/18/2017 15:30	
P6-SW-07		Surface Water/ Brandon Gin	Grab	EDB(35)	585 (Ice to 4C & HCl) (9)	P6-SW-07	10/18/2017 14:00	
SCUC1a-SW		Surface Water/ Brandon Gin	Grab	EDB(35)	367 (Ice to 4C & HCl) (3)	SCUC1a-SW	10/18/2017 09:15	
TB-171018		Water/ Maria Briceno	Grab	EDB(35)	701 (Ice to 4C & HCl) (3)	TB-171018	10/18/2017 08:00	

Sample(s) to be used for Lab QC: P6-SW-07 Tag 585

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: EDB=EDB

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	10/18/2017 1700	[signature] EA	10/18/2017 1700	
	[signature] EA	10/18/2017 1700	[signature] EA	10/18/2017 1700	
	[signature] EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA 10/19/17 9:35		
			Temp Blank = 0°C "not frozen"		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2617 2251

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-144537-0042

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-07-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	588 (Ice to 4C & HNO3) (2)	P6-SW-07-F	10/18/2017 14:00	
ET-SD-05-0.5		Sediment/ Brandon Gin	Grab	pH(35)	713 (Ice to 4C) (1)	ET-SD-05-0.5	10/18/2017 11:30	
ET-SD-07-0.5		Sediment/ Brandon Gin	Grab	pH(35)	714 (Ice to 4C) (1)	ET-SD-07-0.5	10/18/2017 10:45	
P6-SW-07		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	587 (Ice to 4C & HNO3), 589 (Ice to 4C & NaOH), 590 (Ice to 4C & HNO3), 591 (Ice to 4C) (6)	P6-SW-07	10/18/2017 14:00	
SCUC1a-SD-0.5		Sediment/ Brandon Gin	Grab	pH(35)	724 (Ice to 4C) (1)	SCUC1a-SD-0.5	10/18/2017 09:15	

Sample(s) to be used for Lab QC: P6-SW-07-F Tag 588, P6-SW-07 Tag 589

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, pH=pH, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2611 1043

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101817-132503-0040

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-05		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	576 (Ice to 4C) (2)	P6-SW-05	10/18/2017 15:30	
P6-SW-05-D		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	646 (Ice to 4C) (2)	P6-SW-05-D	10/18/2017 15:30	
P6-SW-07		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	586 (Ice to 4C) (2)	P6-SW-07	10/18/2017 14:00	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 10C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 3386 6338

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101817-170207-0046

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-01		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	546 (Ice to 4C) (2)	P6-SW-01	10/18/2017 17:00	
P6-SW-02		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	556 (Ice to 4C) (2)	P6-SW-02	10/18/2017 16:30	
P6-SW-04		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	566 (Ice to 4C) (2)	P6-SW-04	10/18/2017 16:00	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017	EA	10/18/2017	
		10/18/2017	FedEx	10/18/2017	
			CWarren EPA 10/19/17 9:35 Temp Blank = 0°C "not frozen"		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2618 3156

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101817-101721-0030

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-05		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	252 (Ice to 4C) (2)	ET-SW-05	10/18/2017 11:30	
ET-SW-07		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	262 (Ice to 4C) (2)	ET-SW-07	10/18/2017 10:45	
SCUC1a-SW		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	368 (Ice to 4C) (2)	SCUC1a-SW	10/18/2017 09:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature]	10/18/2017 1700	[signature]	10/18/2017 1700	
	[signature] EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA 10/19/17 9:35		
			Temp Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 3397 9889

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-165201-0044

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-01		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	552 (Ice to 4C & HCl), 553 (Ice to 4C) (2)	P6-SW-01	10/18/2017 17:00	
P6-SW-02		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	562 (Ice to 4C & HCl), 563 (Ice to 4C) (2)	P6-SW-02	10/18/2017 16:30	
P6-SW-04		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	572 (Ice to 4C & HCl), 573 (Ice to 4C) (2)	P6-SW-04	10/18/2017 16:00	
P6-SW-07		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	592 (Ice to 4C & HCl), 593 (Ice to 4C) (2)	P6-SW-07	10/18/2017 14:00	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2615 6071

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-165818-0045

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SW-01-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	548 (Ice to 4C & HNO3) (1)	P6-SW-01-F	10/18/2017 17:00	
P6-SW-02-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	558 (Ice to 4C & HNO3) (1)	P6-SW-02-F	10/18/2017 16:30	
P6-SW-01		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	547 (Ice to 4C & HNO3), 549 (Ice to 4C & NaOH), 550 (Ice to 4C & HNO3), 551 (Ice to 4C) (4)	P6-SW-01	10/18/2017 17:00	
P6-SW-02		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	557 (Ice to 4C & HNO3), 559 (Ice to 4C & NaOH), 560 (Ice to 4C & HNO3), 561 (Ice to 4C) (4)	P6-SW-02	10/18/2017 16:30	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx E	10/18/2017 1900	
			CWarren EPA 10/19/17 9:35		

Jump Blank = 1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2607 5578

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-102802-0031

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-07-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	264 (Ice to 4C & HNO3) (1)	ET-SW-07-F	10/18/2017 10:45	
SCUC1a-SW-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35), D Hex Cr(35)	370 (Ice to 4C & HNO3), 377 (Ice to 4C & (M218.7)) (2)	SCUC1a-SW-F	10/18/2017 09:15	
ET-SW-07		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	263 (Ice to 4C & HNO3), 265 (Ice to 4C & NaOH), 266 (Ice to 4C & HNO3), 267 (Ice to 4C) (4)	ET-SW-07	10/18/2017 10:45	
SCUC1a-SW		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	369 (Ice to 4C & HNO3), 371 (Ice to 4C & NaOH), 372 (Ice to 4C & HNO3), 373 (Ice to 4C), 376 (Ice to 4C & (M218.7)) (5)	SCUC1a-SW	10/18/2017 09:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, D Hex Cr=Dissolved Hexavalent Chromium, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, T Hex Cr=Total Hexavalent Chromium

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Jump Blank = 1°C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/18/2017
CarrierName: FedEx
AirbillNo: 7705 2603 1866

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101817-105314-0032

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-05		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	258 (Ice to 4C & HCl), 259 (Ice to 4C) (2)	ET-SW-05	10/18/2017 11:30	
ET-SW-07		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	268 (Ice to 4C & HCl), 269 (Ice to 4C) (2)	ET-SW-07	10/18/2017 10:45	
P6-SW-05		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	582 (Ice to 4C & HCl), 583 (Ice to 4C) (2)	P6-SW-05	10/18/2017 15:30	
P6-SW-05-D		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	652 (Ice to 4C & HCl), 653 (Ice to 4C) (2)	P6-SW-05-D	10/18/2017 15:30	
SCUC1a-SW		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	374 (Ice to 4C & HCl), 375 (Ice to 4C) (2)	SCUC1a-SW	10/18/2017 09:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/18/2017 1700	EA	10/18/2017 1700	
	EA	10/18/2017 1900	FedEx	10/18/2017 1900	
			CWarren EPA	10/19/17 9:35	
			Temp Blank = 10C		

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 3885 7883

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101917-122059-0054

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SD-01-0.5		Sediment/ Brandon Gin	Grab	pH(35)	709 (Ice to 4C) (1)	ET-SD-01-0.5	10/19/2017 17:15	
ET-SD-02-0.5		Sediment/ Brandon Gin	Grab	pH(35)	710 (Ice to 4C) (1)	ET-SD-02-0.5	10/19/2017 16:15	
ET-SD-03-0.5		Sediment/ Brandon Gin	Grab	pH(35)	711 (Ice to 4C) (1)	ET-SD-03-0.5	10/19/2017 15:15	
ET-SD-04-0.5		Sediment/ Brandon Gin	Grab	pH(35)	712 (Ice to 4C) (1)	ET-SD-04-0.5	10/19/2017 13:45	
ET-SW-01		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	210 (Ice to 4C & HCl), 211 (Ice to 4C & HCl) (6)	ET-SW-01	10/19/2017 17:15	
ET-SW-02		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	220 (Ice to 4C & HCl), 221 (Ice to 4C & HCl) (6)	ET-SW-02	10/19/2017 16:15	
ET-SW-03		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	230 (Ice to 4C & HCl), 231 (Ice to 4C & HCl) (6)	ET-SW-03	10/19/2017 15:15	
ET-SW-04		Surface Water/ Brandon Gin	Grab	VOA(35), EDB(35)	240 (Ice to 4C & HCl), 241 (Ice to 4C & HCl) (6)	ET-SW-04	10/19/2017 13:45	
FB-171019		Water/ Brian Taylor	Grab	VOA(35)	707 (Ice to 4C & HCl) (3)	FB-171019	10/19/2017 09:10	
P6-SD-01-0.5		Sediment/ Brandon Gin	Grab	pH(35)	741 (Ice to 4C) (1)	P6-SD-01-0.5	10/19/2017 11:45	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: pH=pH, VOA=VOA, EDB=EDB

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/19/2017 1730	[signature] EA	10/19/2017 1730	
	[signature] EA	10/19/2017 1900	FedEx	10/19/2017 1900	
			A Cross	10/20/17 9:10	

Temp Blank = 1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 3885 7883

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101917-122059-0054

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P6-SD-02-0.5		Sediment/ Brandon Gin	Grab	pH(35)	742 (Ice to 4C) (1)	P6-SD-02-0.5	10/19/2017 11:15	
P6-SD-04-0.5		Sediment/ Brandon Gin	Grab	pH(35)	743 (Ice to 4C) (1)	P6-SD-04-0.5	10/19/2017 10:45	
P6-SD-05-0.5		Sediment/ Brandon Gin	Grab	pH(35)	744 (Ice to 4C) (1)	P6-SD-05-0.5	10/19/2017 09:45	
P6-SD-05-0.5-D		Sediment/ Brandon Gin	Grab	pH(35)	751 (Ice to 4C) (1)	P6-SD-05-0.5-D	10/19/2017 09:45	
P6-SD-07-0.5		Sediment/ Brandon Gin	Grab	pH(35)	745 (Ice to 4C) (1)	P6-SD-07-0.5	10/19/2017 09:15	
TB-171019-2		Water/ Maria Briceno	Grab	VOA(35), EDB(35)	702 (Ice to 4C & HCl), 703 (Ice to 4C & HCl) (6)	TB-171019-2	10/19/2017 08:10	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: pH=pH, VOA=VOA, EDB=EDB

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EH	10/19/2017 1730	EA	10/19/2017 1730	
	EA	10/19/2017 1900	FedEx	10/19/2017 1900	
				10/20/17 9:10	

Temp Blank = 10°

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 3969 2441

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101917-151414-0056

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-01		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	212 (Ice to 4C) (2)	ET-SW-01	10/19/2017 17:15	
ET-SW-02		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	222 (Ice to 4C) (2)	ET-SW-02	10/19/2017 16:15	
ET-SW-03		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	232 (Ice to 4C) (2)	ET-SW-03	10/19/2017 15:15	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/19/2017 1730	EA	10/19/2017 1730	
	EA	10/19/2017 1900	FedEx	10/19/2017 1900	
				10/20/17 9:10	

Temp Blank=1°C

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017

CarrierName: FedEx

AirbillNo: ~~7705 3876 9671~~ 7705 3876 9601 MB 10/19/2017

CHAIN OF CUSTODY RECORD

Case #:

No: 6-101917-112900-0049

Lab: US EPA Region 6 Laboratory

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-04		Surface Water/ Brandon Gin	Grab	ABN-PAHSIM(35)	242 (Ice to 4C) (6)	ET-SW-04	10/19/2017 13:45	

Sample(s) to be used for Lab QC: ET-SW-04 Tag 242

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[signature] EA	10/19/2017 1700	[signature] EA	10/19/2017 1700	
	[signature] EA	10/19/2017 1900	FedEx	10/19/2017 1900	
			S Crose	10/20/17 9:10	

Temp Blank = 0°C Not Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 4465 7644

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101917-164619-0059

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-01		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	213 (Ice to 4C & HNO3), 215 (Ice to 4C & NaOH), 216 (Ice to 4C & HNO3), 217 (Ice to 4C) (4)	ET-SW-01	10/19/2017 17:15	
ET-SW-02		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	223 (Ice to 4C & HNO3), 225 (Ice to 4C & NaOH), 226 (Ice to 4C & HNO3), 227 (Ice to 4C) (4)	ET-SW-02	10/19/2017 16:15	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EH	10/19/2017 1730	EA	10/19/2017 1730	
	EA	10/19/2017 1900	FedEx	10/19/2017 1900	
				10/20/17 9:10	

Temp Blank = 0°C Not Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 3875 5513

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101917-114644-0051

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-03		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	233 (Ice to 4C & HNO3), 235 (Ice to 4C & NaOH), 236 (Ice to 4C & HNO3), 237 (Ice to 4C) (4)	ET-SW-03	10/19/2017 15:15	
ET-SW-03-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	234 (Ice to 4C & HNO3) (1)	ET-SW-03-F	10/19/2017 15:15	
ET-SW-04		Surface Water/ Brandon Gin	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	243 (Ice to 4C & HNO3), 245 (Ice to 4C & NaOH), 246 (Ice to 4C & HNO3), 247 (Ice to 4C) (4)	ET-SW-04	10/19/2017 13:45	
ET-SW-04-F		Surface Water/ Brandon Gin	Grab	DM+Hg(35)	244 (Ice to 4C & HNO3) (1)	ET-SW-04-F	10/19/2017 13:45	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, DM+Hg=Dissolved Metals + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EA	10/19/2017 1700	EA	10/19/2017 1700	
	EA	10/19/2017 1900	FedEx	10/19/2017 1900	
			J Cross	10/20/17 9:10	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/19/2017
CarrierName: FedEx
AirbillNo: 7705 3876 2721

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-101917-113952-0050

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ET-SW-01		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	218 (Ice to 4C & HCl), 219 (Ice to 4C) (2)	ET-SW-01	10/19/2017 17:15	
ET-SW-02		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	228 (Ice to 4C & HCl), 229 (Ice to 4C) (2)	ET-SW-02	10/19/2017 16:15	
ET-SW-03		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	238 (Ice to 4C & HCl), 239 (Ice to 4C) (2)	ET-SW-03	10/19/2017 15:15	
ET-SW-04		Surface Water/ Brandon Gin	Grab	TOC(35), TSS+TDS(35)	248 (Ice to 4C & HCl), 249 (Ice to 4C) (2)	ET-SW-04	10/19/2017 13:45	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOC=TOC, TSS+TDS=TSS, TDS

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	EH EA	10/19/2017 1730	EA	10/19/2017 1730	
	EA	10/19/2017 1900	FedEx	10/19/2017 1900	
				10/20/17 9:10	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/23/2017
CarrierName: FedEx
AirbillNo: 7705 6177 0761

CHAIN OF CUSTODY RECORD

Case #:

No: 6-102317-140105-0064

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ETUC-SW		Surface Water/ John Bonner	Grab	ABN-PAHSIM(35)	202 (Ice to 4C) (2)	ETUC-SW	10/23/2017 10:45	
WT-SW-01		Surface Water/ John Bonner	Grab	ABN-PAHSIM(35)	380 (Ice to 4C) (2)	WT-SW-01	10/23/2017 12:45	
WT-SW-01-D		Surface Water/ John Bonner	Grab	ABN-PAHSIM(35)	686 (Ice to 4C) (2)	WT-SW-01-D	10/23/2017 12:45	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: ABN-PAHSIM=ABN - PAH SIM

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John T Bonner EA	10/23/2017 1730	[signature] EA	10/23/2017 1730	
	[signature] EA	10/23/2017 1900	FedEx	10/23/2017 1900	
			J Cross	10/24/17 9:50	

Temp Blank = 8° NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/23/2017
CarrierName: FedEx
AirbillNo: 7705 6180 1867

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-102317-130639-0062

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
ETUC-SW		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	203 (Ice to 4C & HNO3), 205 (Ice to 4C & NaOH), 206 (Ice to 4C & HNO3), 207 (Ice to 4C) (4)	ETUC-SW	10/23/2017 10:45	
ETUC-SW-F		Surface Water/ John Bonner	Grab	DM+Hg(35)	204 (Ice to 4C & HNO3) (1)	ETUC-SW-F	10/23/2017 10:45	
P1-SW-01		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	425 (Ice to 4C & HNO3), 427 (Ice to 4C & NaOH), 428 (Ice to 4C & HNO3), 429 (Ice to 4C), 432 (Ice to 4C & (M218.7)) (5)	P1-SW-01	10/23/2017 15:35	
P1-SW-01-F		Surface Water/ John Bonner	Grab	DM+Hg(35), D Hex Cr(35)	426 (Ice to 4C & HNO3), 433 (Ice to 4C & (M218.7)) (2)	P1-SW-01-F	10/23/2017 15:35	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, DM+Hg=Dissolved Metals + Hg, T Hex Cr=Total Hexavalent Chromium, D Hex Cr=Dissolved Hexavalent Chromium

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John T Bonner EA	10/23/2017 1730	EA	10/23/2017 1730	
	EA	10/23/2017 1900	FedEx	10/23/2017 1900	
			S Cross	10/24/17 9:50	

Temp Blank = 0° NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/23/2017

CarrierName: FedEx

AirbillNo: ~~7705 6745 61~~ 94 MB 10/23/2017
7705 6745 6194

CHAIN OF CUSTODY RECORD

Case #:

Cooler #:

No: 6-102317-164402-0069

Lab: US EPA Region 6 Laboratory

Lab Contact: Christy Warren

Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P1-SW-04		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	447 (Ice to 4C & HNO3), 449 (Ice to 4C & NaOH), 450 (Ice to 4C & HNO3), 451 (Ice to 4C) (4)	P1-SW-04	10/23/2017 14:25	
P1-SW-04-F		Surface Water/ John Bonner	Grab	DM+Hg(35)	448 (Ice to 4C & HNO3) (1)	P1-SW-04-F	10/23/2017 14:25	
WT-SW-03		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	393 (Ice to 4C & HNO3), 395 (Ice to 4C & NaOH), 396 (Ice to 4C & HNO3), 397 (Ice to 4C) (4)	WT-SW-03	10/23/2017 16:30	
WT-SW-03-F		Surface Water/ John Bonner	Grab	DM+Hg(35)	394 (Ice to 4C & HNO3) (1)	WT-SW-03-F	10/23/2017 16:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, DM+Hg=Dissolved Metals + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John T Bonner EA	10/23/2017 1730	EA	10/23/2017 1730	
	EA	10/23/2017 1900	FedEx	10/23/2017 1900	
			S Cross	10/24/17 9:50	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/23/2017
CarrierName: FedEx
AirbillNo: 7705 6178 1449

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-102317-133913-0063

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
WT-SW-01-F-D		Surface Water/ John Bonner	Grab	DM+Hg(35), D Hex Cr(35)	688 (Ice to 4C & HNO3), 695 (Ice to 4C & (M218.7)) (2)	WT-SW-01-F-D	10/23/2017 12:45	
WT-SW-01		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	381 (Ice to 4C & HNO3), 383 (Ice to 4C & NaOH), 384 (Ice to 4C & HNO3), 385 (Ice to 4C), 388 (Ice to 4C & (M218.7)) (5)	WT-SW-01	10/23/2017 12:45	
WT-SW-01-D		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35), T Hex Cr(35)	687 (Ice to 4C & HNO3), 689 (Ice to 4C & NaOH), 690 (Ice to 4C & HNO3), 691 (Ice to 4C), 694 (Ice to 4C & (M218.7)) (5)	WT-SW-01-D	10/23/2017 12:45	
WT-SW-01-F		Surface Water/ John Bonner	Grab	DM+Hg(35), D Hex Cr(35)	382 (Ice to 4C & HNO3), 389 (Ice to 4C & (M218.7)) (2)	WT-SW-01-F	10/23/2017 12:45	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: DM+Hg=Dissolved Metals + Hg, D Hex Cr=Dissolved Hexavalent Chromium, TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, T Hex Cr=Total Hexavalent Chromium

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John T Bonner EA	10/23/2017 1730	EA	10/23/2017 1730	
	EA	10/23/2017 1900	FedEx	10/23/2017 1900	
			S Cross	10/24/17 9:50	

Temp Blank = 0°C NOT Frozen

USEPA CLP COC (LAB COPY)

DateShipped: 10/23/2017
CarrierName: FedEx
AirbillNo: 7705 6126 4821

CHAIN OF CUSTODY RECORD

Case #:
Cooler #:

No: 6-102317-163643-0068

Lab: US EPA Region 6 Laboratory
Lab Contact: Christy Warren
Lab Phone: 281-983-2137

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
P1-SW-02-D		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	437 (Ice to 4C & HNO3), 439 (Ice to 4C & NaOH), 440 (Ice to 4C & HNO3), 441 (Ice to 4C) (4)	P1-SW-02-D	10/23/2017 14:30	
P1-SW-02-F-D		Surface Water/ John Bonner	Grab	DM+Hg(35)	658 (Ice to 4C & HNO3) (1)	P1-SW-02-F-D	10/23/2017 14:30	
P1-SW-02		Surface Water/ John Bonner	Grab	TM+Hg(35), Cyanide(35), Hardness(35), Alkalinity(35)	437 (Ice to 4C & HNO3), 439 (Ice to 4C & NaOH), 440 (Ice to 4C & HNO3), 441 (Ice to 4C) (4)	P1-SW-02	10/23/2017 14:30	
P1-SW-02-F		Surface Water/ John Bonner	Grab	DM+Hg(35)	438 (Ice to 4C & HNO3) (1)	P1-SW-02-F	10/23/2017 14:30	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TM+Hg=Total Metals + Hg, Cyanide=Cyanide, Hardness=Hardness, Alkalinity=Alkalinity, DM+Hg=Dissolved Metals + Hg

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John T B EA	10/23/2017 1730	EA	10/23/2017 1730	
	EA	10/23/2017 1900	FedEx	10/23/2017 1900	
			J Cross	10/24/17 15:50	

Temp Blank = 1°C