DES Waste Management Division 29 Hazen Drive; PO Box 95 Concord, NH 03302-0095

DRAFT 2017 ANNUAL SUMMARY REPORT Coakley Landfill Breakfast Hill Road North Hampton, NH

> NHDES Site #: 198712001 Project Type: CERCLA Project Number: 431 EPA ID# NHD064424153

Prepared For: Coakley Landfill Group 1 Junkins Avenue Portsmouth, NH 03801 Phone Number: (603) 610-7215 RP Contact Name: Mr. Peter Britz plbritz@cityofportsmouth.com

Prepared By: CES, Inc. 640 Main Street Lewiston, ME 04240 Phone Number: (207) 795-6009 Contact Names: Michael A. Deyling, PG and Suzanne L. Yerina, PG Contact Email: mdeyling@ces-maine.com



Date of Report: January 29, 2018

# **Groundwater Monitoring Report Cover Sheet**

Site Name: Coakley Landfill

Town: North Hampton

Permit #: GWP-198712001-N-002

Type of Submittal (Check all that apply)

- Periodic Summary Report (year): 2017 Annual Report
- Data Submittal (month and year per Condition #7 of Permit):

Check each box where the answer to any of the following questions is "YES"

### Sampling Results

During the most recent monitoring event, were any <u>new</u> compounds detected at any sampling point?

Well/Compound:

- Are there any detections of contamination in drinking water that is untreated prior to use?
  - Well/Compound: <u>R-3/339BHR/178ALR (1,4-dioxane) and 339BHR/346BHR/4ROD</u> (manganese) – concentrations are below Ambient Groundwater Quality Standards and consistent with historical results.
  - Do compounds detected exceed AGQS? <u>5BFL (manganese) concentration</u> <u>above Ambient Groundwater Quality Standard of 0.84 mg/L (2.3 mg/L, September</u> <u>2017)</u>

Was free product detected for the <u>first time</u> in any monitoring point?

- Surface Water (visible sheen)
- Groundwater (1/8" or greater thickness) Location/Thickness:

### **Contaminant Trends**

- Do sampling results show an increasing concentration trend in any source area monitoring well? Well/Compound:
- Do sampling results indicate an AGQS violation in any of the GMZ boundary wells? Well/Compound: FPC-6A - PFOA (Spring and Fall), PFOA/PFOS (Spring and Fall), Manganese (Spring and Fall), and 1,4-dioxane (Spring and Fall); FPC-6B - PFOA (Spring and Fall), PFOA/PFOS (Spring and Fall), and 1,4-dioxane (Spring and Fall); FPC-9A - PFOA (Spring and Fall), PFOA/PFOS (Spring and Fall), Arsenic (Spring and Fall), and 1,4-dioxane (Spring and Fall); FPC-11A – arsenic (Spring); FPC-3C – arsenic (Spring and Fall 2017); AE-1A – arsenic (Spring and Fall).

### **Recommendations**

Does the report include any recommendations requiring DES action? (*Do not check this box if the only recommendation is to continue with existing permit conditions.*)

This form is to be completed for groundwater monitoring data submittals and periodic summary reports submitted to the New Hampshire Department of Environmental Services Waste Management Division.

# SOLUTIONS 2 2 2 2



## **Corporate Office** 465 South Main Street PO Box 639 Brewer, Maine 04412 207.989.4824

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# DRAFT 2017 ANNUAL SUMMARY REPORT GROUNDWATER MANAGEMENT PERMIT

Coakley Landfill North Hampton, New Hampshire NHDES Site #198712001

FOR

Coakley Landfill Group 1 Junkins Avenue Portsmouth, NH 03801

> January 29, 2018 JN: 10424.014

Report Prepared By: CES, Inc. 640 Main Street Lewiston, Maine 04240 207.795-6009

Engineers 

Environmental Scientists
Surveyors



January 29, 2018

Groundwater Management Permits Coordinator New Hampshire Department of Environmental Services 29 Hazen Drive Concord, NH 03302-0095

### Re: DRAFT 2017 Annual Summary Report Coakley Landfill – Breakfast Hill Road, North Hampton, New Hampshire

On behalf of the Coakley Landfill Group (CLG), CES, Inc. (CES) is hereby submitting the DRAFT 2017 Annual Summary Report describing long-term environmental monitoring activities completed at the closed Coakley Landfill (the Site) in 2017. [Note that at the request of the US EPA and/or NHDES, the following changes were made to the monitoring program for 2017:

- Two rounds of monitoring for groundwater, surface water, sediment, and the L-1 seep were completed in 2017 with the first round of sampling being completed in April/May 2017 (Spring) and the second round being completed in September 2017 (Fall).
- Two rounds of residential sampling were completed in 2017. The first round of residential sampling was completed in January and incorporated an additional 15 residences (5, 9, and 15 Berry Farm Lane (BFL); 340 and 463 Breakfast Hill Road (BHR); 25 Falls Way (FW); 67 Ridgecrest Drive (RCD); 4 and 10 Red Oak Drive (ROD); and 4, 9, 10, 16, 19, and 21 Stone Meadow Way (SMW)). The second round of residential sampling was completed in September 2017 and included all of the residences sampled in January 2017 as well as four additional residences (7 and 8 Woodknoll Drive (WKD); 27 Birch Road (BR); and 178A Lafayette Road (LR)).
- Monitoring wells FPC-3A, FPC-3B, and FPC-3C were added to the monitoring program during the Spring 2017 sampling event to assess the southerly extent of impacts from the landfill. Monitoring wells GZ-109, GZ-117, and FPC-9B were added to the monitoring program during the Fall 2017 sampling event to better assess eastern extent of impacts from the landfill. Wells added to the sampling program that had been previously inactive were redeveloped prior to sampling.
- Five surface water/sediment sampling locations (SW-110/SED-110, SW-111/SED-111, SW-BB1/SED-BB1, SW-BB2/SED-BB2, and SW-LR/SED-LR) were added to the monitoring program during the Spring and Fall 2017 sampling events.
- Samples from groundwater monitoring wells were analyzed for hexavalent chromium during the Spring and Fall 2017 sampling events.
- All samples (groundwater, drinking water, surface water, sediment, and the L-1 seep) were analyzed for six per- & poly-fluorinated alkyl substances (PFAS) (EPA Method 537 Modified including PFBS, PFHpA, PFHxS, PFOA, PFNA, and PFOS) in 2017, as recommended by the agencies.

This report has been prepared to meet the requirements of the September 2017 Sampling and Analysis Plan prepared by CES, which incorporated requirements contained in the New Hampshire Department of Environmental Services (NHDES) Groundwater Management Permit (GMP, GWP-198712001-N-002) and revised Cleanup Levels established in the Fifth Explanation





of Significant Differences dated August 4, 2015. It should be noted that at the time of the Spring sampling, the SAP had been revised and the event was conducted according to the revisions but was awaiting comments from the agencies.

Environmental monitoring results for the 2017 sampling events and trends in groundwater quality parameters are consistent with the conceptual site model, overall trends in groundwater quality noted in previous annual reports, and overall findings discussed in the October 2013 Groundwater Management Permit Renewal Application prepared by Summit Environmental Consultants (now part of CES). Compounds and locations that exceeded regulatory thresholds during the 2017 long-term monitoring events are similar to historical monitoring events. Compounds reported at concentrations equal to or exceeding regulatory thresholds or federal health advisories in one or more wells were limited to arsenic, manganese, tert-butyl alcohol, tetrahydrofuran, 1,4-dioxane, and PFAS.

Groundwater quality is stable or improving at most locations including site monitoring wells and at off site water supply wells. Notably, 1,4-dioxane concentrations reported in off-site water supply wells R-3 (0.33 ug/L and 0.34 ug/L (duplicate), January 2017 and 0.28 ug/L and 0.32 ug/L (duplicate), September 2017) and 339BHR (0.35 ug/L, January 2017 and 0.54 ug/L, September 2017) continue to be stable at concentrations below the EPA Cleanup Level (CL) and NHDES Ambient Groundwater Quality Standard (AGQS). 1,4-dioxane was also detected in off-site well 178A LR at a concentration of 0.29 ug/L, which was sampled for the first time in September 2017, well below the CL and AGQS.

Consistent with previous sampling events and historical data, 1,4-dioxane was not detected in water supply wells 415BHR and 346BHR, as well as 18 of the 19 additional water supply wells sampled in 2017.

Manganese exceeded the CL of 0.3 mg/L at 339 BHR during the January 2017 (0.42 mg/L) and September 2017 (0.34 mg/L) sampling events but was well below the AGQS (0.84 mg/L). Manganese also exceeded the EPA CL of 0.3 mg/L at 346 BHR during September 2017 (0.45 mg/L), at 4 ROD during January 2017 (0.38 mg/L) and September 2017 (0.42 mg/L), and at 5 BFL during January 2017 (0.82 mg/L) and September 2017 (2.3 mg/L). The only exceedance of the AGQS for manganese (0.84 mg/L) was at 5 BFL during September 2017 (2.3 mg/L).

Arsenic, PFOA, PFOS, and PFOA/PFOS combined were not reported above applicable EPA CL, NHDES AGQS, or federal health advisories in any residential wells sampled during 2017.

Please contact either of the undersigned with any questions or comments regarding this report. Sincerely,

CES. Inc.

Suzanne Yerina, P.G. **Project Geologist** 

SLY/MAD/jna Attachments

Michael A. Devli

Senior Project Geologist

Peter Britz, Coakley Landfill Group cc: Gerardo Millan-Ramos, EPA Andrew Hoffman via NHDES - One Stop

Groundwater Management Permits Coordinator | 01.29.2018 | 10424.014-01 | Page 2





### 2017 DRAFT ANNUAL SUMMARY REPORT GROUNDWATER MANAGEMENT PERMIT COAKLEY LANDFILL – NORTH HAMPTON, NEW HAMPSHIRE NHDES SITE #198712001

### TABLE OF CONTENTS

SECTION 1   INTRODUCTION					
1.1	Background	. 2			
SECTIO	N 2   SAMPLE COLLECTION	. 4			
2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8	Groundwater Level Monitoring	. 4 . 4 . 4 . 4 . 6 . 8 . 9			
SECTION 3   QUALITY ASSURANCE/QUALITY CONTROL RESULTS					
SECTION 4   SUMMARY OF RESULTS11					
4.1 4.2 4.3 4.4 4.5	Groundwater Elevations Groundwater Analytical Results Surface Water Analytical Results L-1 Seep Analytical Results Sediment Analytical Results	11 11 12 12 12			
SECTION 5   ANNUAL DATA SUMMARY AND DISCUSSION					
5.1 5.2 5.2. 5.2. 5.3 5.4 5.5	Groundwater Potentiometric Surfaces Groundwater Quality Regulatory Threshold Exceedances	13 14 14 18 20 21 24			
5.6 5.7 5.8	Surface Water Quality Regulatory Threshold Exceedances	26 27 27			
SECTION 6   CONCLUSIONS AND RECOMMENDATIONS					
6.1 6.2	Conclusions	28 31			
SECTION 7   REFERENCES					



### **LIST OF FIGURES**

Figure 1:	Site Location Map
Figure 2:	Site Plan
Figure 3:	Groundwater Contours – September 2017 – Bedrock Wells
Figure 4:	Groundwater Contours – September 2017 - Overburden Wells
Figure 5:	Lateral Distribution of Dissolved Arsenic in Overburden Wells – September 2017
Figure 6:	Lateral Distribution of Dissolved Manganese in Overburden Wells – September 2017
Figure 7:	Lateral Distribution of 1,4-Dioxane in Overburden Wells – September 2017
Figure 8:	Lateral Distribution of PFOA in Overburden Wells – September 2017
Figure 9:	Lateral Distribution of PFOS in Overburden Wells – September 2017
Figure 10:	Lateral Distribution of PFOA + PFOS in Overburden Wells – September 2017
Figure 11:	Lateral Distribution of Total Arsenic in Bedrock Wells – September 2017
Figure 12:	Lateral Distribution of Total Manganese in Bedrock Wells – September 2017
Figure 13:	Lateral Distribution of 1,4-Dioxane in Bedrock Wells – September 2017
Figure 14:	Lateral Distribution of PFOA in Bedrock Wells – September 2017
Figure 15:	Lateral Distribution of PFOS in Bedrock Wells – September 2017
Figure 16:	Lateral Distribution of PFOA + PFOS in Bedrock Wells – September 2017
Figure 17:	Vertical Distribution of Arsenic in Groundwater Cross Section A-A' – September 2017
Figure 18:	Vertical Distribution of Arsenic in Groundwater Cross Section B-B' – September 2017
Figure 19:	Vertical Distribution of Manganese in Groundwater Cross Section A-A' – September 2017
Figure 20:	Vertical Distribution of Manganese in Groundwater Cross Section B-B' – September 2017
Figure 21:	Vertical Distribution of 1,4-Dioxane in Groundwater Cross Section A-A' – September 2017
Figure 22:	Vertical Distribution of 1,4-Dioxane in Groundwater Cross Section B-B' – September 2017
Figure 23:	Vertical Distribution of PFOA in Groundwater Cross Section A-A' – September 2017
Figure 24:	Vertical Distribution of PFOA in Groundwater Cross Section B-B' – September 2017
Figure 25:	Vertical Distribution of PFOS in Groundwater Cross Section A-A' – September 2017
Figure 26:	Vertical Distribution of PFOS in Groundwater Cross Section B-B' – September 2017
Figure 27:	Vertical Distribution of PFOA + PFOS in Groundwater Cross Section A-A' – September 2017
Figure 28:	Vertical Distribution of PFOA + PFOS in Groundwater Cross Section B-B' – September 2017

### LIST OF TABLES

- Table 1:Groundwater Elevation Data
- Table 2:
   Summary of OU-1 and OU-2 Groundwater Analytical Results
- Table 3: Summary of Off-Site Water Supply Well Monitoring Results
- Table 4:
   Summary of Surface Water Analytical Results
- Table 5:
   Summary of Sediment Analytical Results
- Table 6: Summary of L-1 Seep Analytical Results
- Table 7:
   Duplicate Sample Comparisons
- Table 8:
   Statistical and Visual Trend Analysis Results
- Table 9:
   Contaminants of Concern Analytical Data (November 2000 September 2017)



### TIME SERIES PLOTS

Arsenic Summary Plots Manganese Summary Plots Benzene Summary Plots 1,4-Dioxane Summary Plots Tertiary-butyl Alcohol Summary Plot Arsenic, Manganese and Benzene Plots at Select Wells

### LIST OF APPENDICES

- Appendix A: January 2017 Water Supply Well Data Transmittal Report
- Appendix B: Results of the Spring 2017 Groundwater Sampling at the Coakley Landfill
- Appendix C: Environmental Monitoring Plan Sampling Requirements Tables
- Appendix D: Field Sampling/Monitoring and Equipment Calibration Forms, and Depth to Groundwater and Elevation Summary Table for Spring and Fall 2017
- Appendix E: Quality Assurance/Quality Control Results
- Appendix F: Laboratory Analytical Reports (Spring and Fall 2017)
- Appendix G: Data Validation Reports (Spring and Fall 2017)



### 2017 DRAFT ANNUAL SUMMARY REPORT GROUNDWATER MANAGEMENT PERMIT COAKLEY LANDFILL – NORTH HAMPTON, NEW HAMPSHIRE NHDES SITE #198712001

### **SECTION 1 | INTRODUCTION**

On behalf of the Coakley Landfill Group (CLG), CES, Inc. (CES) is hereby submitting the DRAFT 2017 Annual Summary Report describing long-term environmental monitoring activities completed at the closed Coakley Landfill (the Site) in 2017. [Note that at the request of the US EPA and/or NHDES, the following changes were made to the monitoring program for 2017:

- Two rounds of monitoring for groundwater, surface water, sediment, and the L-1 seep were completed in 2017, with the first round of sampling being completed in April/May 2017 (Spring) and the second round being completed in September 2017 (Fall).
- Two rounds of residential sampling were completed in 2017. The first round of residential sampling was completed in January and incorporated an additional 15 residences (5, 9, and 15 Berry Farm Lane (BFL); 340 and 463 Breakfast Hill Road (BHR); 25 Falls Way (FW); 67 Ridgecrest Drive (RCD); 4 and 10 Red Oak Drive (ROD); and 4, 9, 10, 16, 19, and 21 Stone Meadow Way (SMW)). The second round of residential sampling was completed in September 2017 and included all of the residences sampled in January 2017 as well as four additional residences (7 and 8 Woodknoll Drive (WKD); 27 Birch Road (BR); and 178A Lafayette Road (LR)).
- Monitoring wells FPC-3A, FPC-3B, and FPC-3C were added to the monitoring program during the Spring 2017 sampling event to assess the southerly extent of impacts from the landfill. Monitoring wells GZ-109, GZ-117, and FPC-9B were added to the monitoring program during the Fall 2017 sampling event to better assess eastern extent of impacts from the landfill. Wells added to the sampling program that had been previously inactive were redeveloped prior to sampling.
- Five surface water/sediment sampling locations (SW-110/SED-110, SW-111/SED-111, SW-BB1/SED-BB1, SW-BB2/SED-BB2, and SW-LR/SED-LR) were added to the monitoring program during the Spring and Fall 2017 sampling events.
- Samples from groundwater monitoring wells were analyzed for hexavalent chromium during the Spring and Fall 2017 sampling events.
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This report has been prepared to meet the requirements of the September 2017 Sampling and Analysis Plan prepared by CES, which incorporated requirements contained in the New Hampshire Department of Environmental Services (NHDES) Groundwater Management Permit (GMP, GWP-198712001-N-002) and revised Cleanup Levels established in the Fifth Explanation of Significant Differences dated August 4, 2015. It should be noted that at the time of the Spring sampling, the SAP had been revised and the event was conducted according to the revisions but was awaiting comments from the agencies. All changes made for the Spring event were incorporated into the Final SAP dated September 2017. Therefore, any reference to the SAP in this report should be considered the September 2017 SAP.



CES performed the field sampling work and reporting, Eastern Analytical, Inc. (EAI) of Concord, New Hampshire and Vista Analytical Laboratory of El Dorado Hills, California performed the laboratory analyses, and Data Check, Inc. (Data Check) of New Durham, New Hampshire completed the Tier 1 Plus Data Validation.

### 1.1 Background

The closed Coakley Landfill Site consists of approximately 107 acres of land located within the Towns of Greenland and North Hampton, New Hampshire. The actual landfill area is located in the southern portion of the Site and covers approximately 27 acres of land located in North Hampton, as shown on the Site Location Map (**Figure 1**) and Site Plan (**Figure 2**). The landfill area is located approximately 700 feet to the west of Lafayette Road (US Route 1), 2,500 feet to the south of Breakfast Hill Road, and 3,800 feet to the north of North Road. The Boston and Maine Railroad rail corridor is situated along the western boundary of the Site. The landfill borders undeveloped forests and wetlands to the north and west, and commercial and residential properties to the east and south.

Environmental monitoring at the Coakley Landfill is separated into two areas, or Operable Units. Operable Unit 1 (OU-1) includes the area in the immediate vicinity of the landfill where source control actions were completed to reduce impacts to surface water and groundwater quality and to eliminate threats possibly posed by direct contact with or ingestion of contaminated media at the Site. Operable Unit 2 (OU-2) includes the area beyond the landfill where the objective is to monitor the natural attenuation of water quality impacts and minimize exposure to potential receptors caused by groundwater and surface water migrating away from the Site.

Long-term monitoring at the Coakley Landfill has been ongoing since the landfill capping was completed in 1998. The long-term monitoring of groundwater, surface water, and sediment quality following landfill capping and site closure was initially conducted in accordance with the 1999 Environmental Monitoring Plan (Aries, 1999). Over time, the scope of environmental monitoring activities has been modified, and sediment and water quality monitoring are currently performed in accordance with the agency-approved September 2017 SAP (CES, 2017)

The New Hampshire Department of Environmental Services (NHDES) issued Groundwater Management Permit (GMP) GWP-198712001-N-001 for the Coakley Landfill site for a five-year term on June 19, 2008. The GMP includes a provision for the long-term monitoring of groundwater and created a Groundwater Management Zone (GMZ) that restricts property owners from extracting groundwater for potable use. NHDES issued a GMP renewal for a five-year term on January 7, 2014. The renewed GMP ("the 2014 GMP") requires that groundwater in the GMZ be monitored at specific locations, and that the results be compared to NHDES Ambient Groundwater Quality Standards (AGQSs), some of which are different than EPA's site-specific standards (Cleanup Levels [CLs], and Primary Drinking Water Standard Maximum Contaminant Levels [MCLs]). This report considers both EPA-established CLs/MCLs and NHDES AGQSs.

Interim Cleanup Levels (ICLs) for contaminants of concern were established in the Record of Decision (ROD) for groundwater and subsequently modified in several Explanation of Significant Differences (ESDs). The Fifth ESD issued in August 2015 formally changed the ICLs to Cleanup Levels (CLs) and established a CL for 1,4-dioxane.



Drinking water Federal Health Advisories (HAs) were established on May 19, 2016 for perfluorooctanoic acid (PFOA), perfluorooctanesulfonate (PFOS), and the combination of PFOA and PFOS. NHDES filed an emergency rule to establish the HAs as AGQSs on May 31, 2016 and the rule became permanent on October 22, 2016. These analytes have not been specified as constituents of concern (COCs) for the Coakley Site but are used in this report as a means of comparison for informational purposes.

This report provides an overview of the sample collection and analyses conducted for the Spring and Fall 2017 biannual monitoring events. The information presented in this report includes: sampling locations, sample collection protocols, quality assurance/quality control (QA/QC) procedures and results, summary of the analytical results, summary of CL/AGQS/HA exceedances, discussion of historical trends, and conclusions and recommendations.

The COCs and associated NHDES-established AGQS and EPA-established CLs are summarized in the table below; status updates for the COCs are provided in **Section 5.5**. The table also includes the Federal Health Advisories for PFAS although PFAS have not been formally designated as COCs for the Site.

Parameter	Chemical Abstract Service Registry Number	NHDES Ambient Groundwater Quality Standard (AGQSs)*	USEPA Record of Decision Cleanup Levels <sup>(2)</sup> (CLs)*
Benzene	71-43-2	5	5
Chlorobenzene (Monochlorobenzene)	108-90-7	100	100
Tetrachloroethene (PCE, Tetrachloroethylene)	127-18-4	5	3.5
Tetrahydrofuran (THF)	109-99-9	600	154
1,2-Dichloropropane	78-87-5	5	5
2-Butanone (MEK, Methyl Ethyl Ketone)	78-93-3	4,000	200
Diethyl phthalate (3)	84-66-2		2,800
Trans-1,2-dichloroethene (trans-DCE)	156-60-5	100	100
Phenol <sup>(3)</sup>	108-95-2	4,000	280
1,4-dioxane <sup>(2)</sup>	123-91-1	3	3
Tertiary butyl alcohol (TBA, tert-butyl alcohol)	75-65-0	40	
Antimony	7440-36-0	6	6
Arsenic	7440-38-2	10	10
Beryllium	7440-41-7	4	4
Chromium	7440-47-3	100	50
Lead	7439-92-1	15	15
Manganese	7439-96-5	840	300
Nickel	7440-02-0	100	100
Vanadium	7440-62-2		260
Perfluorooctanoic acid (PFOA)	335-67-1	70**	(1)
Perfluorooctane sulfonate (PFOS)	1763-23-1	70**	(1)
PFOA and PFOS Combined		70**	<b></b> <sup>(1)</sup>

### **Constituents of Concern and Groundwater Cleanup Levels**

\* units in micrograms per liter (ug/L, parts per billion) \*\* units in nanograms per liter (ng/L, parts per trillion)

(1) On May 31, 2016 EPA established a lifetime Health Advisory for PFOA, PFOS and combined PFOA/PFOS of 70 ng/L. On October 22, 2016 NHDES established these as permanent AGQSs.

(2) Interim Cleanup Levels (ICLs) for contaminants of concern were established in the ROD for groundwater and subsequently modified in several ESDs. The Fifth ESD issued in August 2015 formally changed the ICLs to Cleanup Levels (CLs) and established a CL for 1,4-dioxane.

<sup>(3)</sup> In May 1998 and April 1999, groundwater samples were submitted for analysis of SVOCs and no exceedances of applicable standards were reported; therefore, SVOCs (the requirement to analyze for diethyl phthalate and phenol) were removed from the long-term monitoring plan.



### **SECTION 2 | SAMPLE COLLECTION**

The SAP requires sampling and analysis at 38 groundwater monitoring wells, 24 off-site water supply wells, eight surface water sampling locations, eight sediment sampling locations, and one seep sampling location. In addition, depth to groundwater level measurements are required at seven additional monitoring wells during the sampling events.

Tables summarizing the sample collection locations, sampling methods, and laboratory analyses are included in **Appendix C** (SAP **Tables 3-3 through 3-9**). Sampling locations are identified on **Figure 2**.

### 2.1 Groundwater Level Monitoring

Prior to the collection of groundwater samples in the Spring and Fall of 2017, CES measured depth to groundwater with an electronic water level meter capable of measuring in 0.01-foot increments. Depth to groundwater measurement field sheets and a table summarizing depth to water level measurements and corresponding water level elevation data for the monitoring event are presented in **Appendix D**. Historical groundwater elevation measurements are summarized in **Table 1**.

### 2.2 Well Depth Monitoring

The SAP requires measurement of well depths during the sampling event <u>prior</u> to EPA 5-Year Reviews. Well depths were measured and reported in the 2015 Annual Report and will be measured again in 2020.

### 2.3 Well Integrity Inspection

CES completed a well integrity inspection during the Spring and Fall 2017 sampling events and copies of the well integrity field sheets are included in **Appendix D**. CES did not identify any new issues during the well integrity inspection that require corrective actions. FPC-5A was previously identified as having well integrity issues and is scheduled to be replaced in 2018.

### 2.4 Field Parameter Monitoring

Field parameter water quality meters were calibrated in accordance with SOP-8 (*Calibration of YSI and Hach Field Instruments*) included in the SAP. CES measured field parameters including pH, Oxidation Reduction Potential (ORP), Temperature, Specific Conductance, and Dissolved Oxygen using a YSI-600XL water quality meter with a 250-milliliter flow-through cell and turbidity using a Hach 2100Q turbidity meter. Meters were calibrated in the office prior to using at the Site, every day prior to sampling, and a post-sampling check was completed at the end of every sampling day.

Equipment calibration logs are included in **Appendix D** for the Spring and Fall 2017 sampling events. Field parameter measurements were recorded on field sheets and final readings were incorporated into **Table 2** (OU-1 and OU-2 Groundwater Monitoring Wells), **Table 3** (Off-Site Water Supply Wells), **Table 4** (Surface Water), and **Table 6** (L-1 Seep).

### 2.5 Groundwater Sample Collection

CES collected 19 off-site water supply wells in January 2017, groundwater samples from 11 monitoring wells located in OU-1 and 23 monitoring wells in OU-2 during the Spring 2017 event, and 11 monitoring wells located in OU-1, 26 monitoring wells in OU-2, and 23 off-site water supply wells during the Fall 2017 event. The following deviations from the SAP groundwater sampling plan occurred during the 2017 sampling events:



- Consistent with previous monitoring events, off-site water supply well R-5 was not sampled in the spring or fall because the home is not occupied, and the water system is out of service.
- Well FPC-5A was not sampled in the spring or fall due to well integrity issues. CLG plans to replace FPC-5A in 2018.
- Monitoring wells GZ-109, GZ-117, and FPC-9B were added to the sampling program in September 2017. These wells were therefore not sampled during the spring event.
- Four residential wells (27 Birch Road, 7 and 8 Woodknoll Drive, and 178A Lafayette Road) were added to the sampling program in September 2017. These wells were therefore not sampled during the spring event.

Groundwater samples were collected in accordance with the site-specific Standard Operating Procedures (SOPs) listed in the SAP. The sampling methodology used at each sampling location is listed in **Appendix C** (SAP **Tables 3-5 through 3-7**). Methodologies used for collection of groundwater samples are summarized below:

- Thirty-one monitoring wells were sampled in the spring and 34 were sampled in the fall with a peristaltic pump using a low-flow sampling methodology (SOP-4 Low Flow Sampling Using a Peristaltic Pump);
- Three monitoring wells (AE-1A, AE-1B, and MW-4) were sampled in the spring and fall with a bailer (SOP-3 Sampling with a Bailer). Note that this was done because the depth to water level at these wells exceeds the suction lift limit of a peristaltic pump; and
- Nineteen off-site water supply wells were sampled in the spring and an additional 4 off-site water supply wells were sampled in the fall in accordance with SOP-6 Drinking Water Supply Well Sampling Procedures.

Groundwater samples were collected in accordance with site-specific SOPs, placed into laboratory-supplied sampling containers in the order specified in the SOPs, and packed in loose ice for transport under chain-of-custody protocol to EAI. EAI analyzed the samples for the list of parameters identified in **Appendix C** (SAP **Tables 3-5 through 3-7**), with the exception of PFAS, which were analyzed by Vista. Samples were sent to Vista from EAI under chain-of-custody protocol. Copies of groundwater sample collection logs are included in **Appendix D**.

In the past, overburden and bedrock groundwater samples were submitted for total metals analysis, and samples from select locations were filtered at the time of sample collection and submitted for analysis of dissolved manganese and dissolved iron. As discussed in the SAP, this practice was modified beginning in 2014 to analyze for and report dissolved (i.e., filtered) metal results for overburden groundwater to remove potential high bias in the results due to high turbidity resulting from entrained sediment in the samples and total (non-filtered) metals results for bedrock groundwater that represent conditions similar to bedrock water supply wells (open borehole non-filtered supplies). Samples collected for analysis of VOCs/1,4-dioxane/PFAS were not filtered at the time of sample collection.

Analytical laboratory results are presented in **Table 2** (OU-1 and OU-2 Groundwater Monitoring Wells) and **Table 3** (Off-Site Water Supply Wells).



### 2.6 Surface Water and Sediment Sample Collection

Surface water and sediment samples are collected at locations west (broad wetland complex), southwest (Little River headwaters) and northeast (Berry's Brook) of the Site. Surface water is the result of overland flow of stormwater and baseflow from discharge of groundwater to the wetlands and Brooks. Stormwater runoff (including snowmelt) on the landfill surface is routed via perimeter ditches around the landfill to two stormwater retention ponds that subsequently convey that water to areas north and northwest of the landfill via outfall pipes from the ponds. Surface water does not come into direct contact with landfill refuse. Surface water and sediment sampling locations are shown on **Figure 2**.

From April 25 through May 2, 2017 and September 13 through 19, 2017, surface water samples were collected at SW-4, SW-5, SW-103, SW-110, SW-111, SW-LR, SW-BB1, and SW-BB2 and sediment samples were collected at SED-4, SED-5, SED-110, SED-LR, and SED-BB2. Sediment samples were not collected at SED-111 and SED-LR during the spring sampling event due to insufficient sediment being available at the sample location. During the fall sampling event, sample locations for SED-111 and SED-LR were adjusted in the field so that a sample could be collected. Duplicate samples were collected at SW-5 and SED-5 for quality control purposes. Samples were collected in accordance with *SOP-5 Surface Water, Seep and Sediment Sampling Procedures*.

A Sampling Worksheet summarizing field parameter measurements, along with photographic documentation of the conditions at SW-4/SED-4, SW-5/SED-5, SW-103, SW-110/SED-110, SW-111/SED-111, SW-LR/SED-LR, SW-BB1/SED-BB1, and SW-BB2/SED-BB2 is provided in **Appendix C**.

Sediment and surface water samples were collected in accordance with site-specific SOPs, placed into laboratory-supplied containers in the order specified in the SOPs, and packed in loose ice for transport under chain-of-custody protocol to EAI. EAI analyzed the samples for the list of parameters contained in **Appendix C** (SAP, **Tables 3-8 and 3-9**), with the exception of PFAS, which were analyzed by Vista. Samples were sent to Vista from EAI under chain-of-custody protocol.

The surface water and sediment monitoring program is undertaken in part to assess the effectiveness of the cover system in eliminating erosion and transport of impacted sediments, as well as to evaluate potential toxicity to ecological receptors. A description of the conditions at the surface water and sediment sampling locations is provided below (also refer to photographs in **Appendix D**):

### SW-4/SED-4

SW-4/SED-4 is located in a broad and flat pit-and-mound forested wetland approximately 500 feet west of the railroad and approximately 600 feet from the southwestern boundary of the landfill. The soils at this location are composed predominately of leaf litter and twigs over poorly decomposed organic soil/sediment. No evidence of channelization or the deposition of mineral sediment was observed in the vicinity of SW-4/SED-4. The leaf litter was removed, and the underlying organic soils were sampled. Samples are collected from an area of ponded water.

Surface water at this location is a combination of precipitation (including snowmelt) originating from topographically high areas to the west and contribution from easterly portion of the wetland complex east of this location during wet and high-water periods.



### SW-5/SED-5

SW-5/SED-5 is located approximately 250 feet from the northwestern boundary of the landfill, roughly between seep L-1 and the railroad. The area between the landfill and railroad is wetland with very thick phragmites and grasses, more indicative of a wetlands environment. The ground in the area of SW-5/SED is covered by a thick layer of partially decomposed phragmites.

An area of ponded water along the margins of the phragmites stand is the location of SED-5/SW-5 as shown on **Figure 2**. The leaf litter was removed from the edge of the ponded water area where three to five-inches of organic material were observed above gray clay. There was no visually apparent evidence of mineral sediment deposition at this location. The samples were composed predominantly of organic materials. However, some of the underlying clay was incorporated into the samples. Samples SW-5 and SED-5 were collected from this location.

Surface water at this location is a combination of precipitation (including snowmelt) originating from topographically high areas to the southwest and contribution from areas north-northeast of this location during wet and high-water periods.

### <u>SW-103</u>

SW-103 is located approximately 450 from the northwestern boundary of the landfill and approximately 200 feet downstream of SW-5/SED-5 in a dense phragmites stand where no evidence of channelization or the deposition of mineral sediment was observed. An area of ponded water was observed in the vicinity of SW-103 and sampled.

Surface water at this location is a combination of precipitation (including snowmelt) originating from topographically high areas to the southwest and contribution from areas north-northeast of this location during wet and high-water periods.

### SW-110/SED-110

SW-110/SED-110 is located at the culvert where Berry's Brook runs under Breakfast Hill Road, approximately 3,200 feet from the northwestern boundary of the landfill and approximately 400 feet downstream from SW-BB1/SED-BB1. The soils at this location are composed predominately of leaf litter and twigs over gray clay. The surface water sample was collected from a ponded area immediately to the south of the culvert. The leaf litter was removed, and the sediment sample was collected from the underlying clay/organic material.

Surface water at this location is from the Berry's Brook watershed. This location was added to the sampling program in 2017 at the request of the agencies.

### SW-111/SED-111

SW-111/SED-111 is located over a mile from the northeastern landfill boundary at the culvert where Berry's Brook crosses Lafayette Road. Surface water in this area is approximately four feet deep and a sample was collected from this area. The soils at this location consist of decomposed organic sediments. The sediment sample was collected using a stainless-steel hand auger due to the depth of water.

Surface water at this location is from the Berry's Brook watershed. This location was added to the sampling program in 2017 at the request of the agencies.



### SW-LR/SED-LR

SW-LR/SED-LR is located at the culvert where the Little River crosses North Road approximately 3,600 feet from the southwestern boundary of the landfill. The area upstream of the sampling point is channelized. However, water ponds in front of the culvert. The surface water sample was collected from the ponded water in front of the culvert. The soils in this location consist of decomposed organic sediments over gray clay. The sediment sample was collected from the organic material with some clay.

Surface water at this location is from the Little River watershed. This location was added to the sampling program in 2017 at the request of the agencies.

### SW-BB1/SED-BB1

SW-BB1/SED-BB1 is located in a channel to the east of the railroad easement approximately 2,700 feet from the northwestern boundary of the landfill, approximately 400 feet upstream from SW-110/SED-110, and approximately 1,000 feet downstream from SW-BB2/SED-BB2. The stream is channelized with underlying sediments consisting of leaf litter and cobbles (railroad ballast) over sandy organic sediments. The surface water sample was collected from the channel. The leaf litter and ballast were removed, and the sediment sample was collected from the underlying sand/organic sediments.

Surface water at this location is from the Berry's Brook watershed. This location was added to the sampling program in 2017 at the request of the agencies.

### SW-BB2/SED-BB2

SW-BB2/SED-BB2 is located approximately 1,800 feet from the northwestern boundary of the landfill, approximately 1,200 feet downstream from SW-103, and approximately 1,000 feet upstream from SW-BB1/SED-BB1 in a broad and flat wetland approximately 20 feet east of the railroad. The soils at this location are composed predominately of leaf litter and twigs over poorly decomposed organic sediments. No evidence of channelization or the deposition of mineral sediment was observed in the vicinity of SW-BB2/SED-BB2. The surface water sample was collected from ponded water in this area. The leaf litter was removed, and the sediment sample was collected from the underlying organic soils.

Surface water at this location is from the Berry's Brook watershed. This location was added to the sampling program in 2017 at the request of the agencies.

Analytical laboratory results are presented in **Table 4** (Surface Water) and **Table 5** (Sediment).

### 2.7 L-1 Seep Sample Collection

On April 28, 2017 and September 21, 2017, CES collected a sample at seep sampling point L-1. This sampling point has been referred to as a "leachate seep" point in the past. It is important to note that the landfill does not have a leachate collection system, and field observations in 2017 indicate samples collected at L-1 are representative of shallow overburden groundwater discharging via seepage from an embankment to an impounded wetland area near the northwest margin of the landfill. An outfall pipe from the northwestern stormwater retention pond also discharges along the same embankment where seepage is present. Therefore, the L-1 location is referred to hereafter as a "seep". Samples were collected in accordance with SOP-5 Surface Water, Seep and Sediment Sampling Procedures.



A Sampling Worksheet summarizing field parameter measurements, along with photographic documentation of the conditions at L-1 is provided in **Appendix D**.

The L-1 seep sample was collected in accordance with site-specific SOPs, placed into laboratory-supplied containers in the order specified in the SOPs, and packed in loose ice for transport under chain-of-custody protocol to EAI. EAI analyzed the samples for the list of parameters contained in **Appendix C** (SAP, **Table 3-8**), with the exception of PFAS, which were analyzed by Vista. Samples were sent to Vista from EAI under chain-of-custody protocol.

Analytical laboratory results are presented in **Table 6** (L-1 Seep).

The L-1 seep sample collected on April 28, 2017 was collected during a wet period (rainfall had occurred prior to and during the sampling event). As a result, significant intermingling of running water below the stormwater outfall pipe and seepage from the embankment was occurring. The fall sample collected on September 21, 2017 was collected from a depression in the ponded water area downslope of the outfall pipe and seepage embankment, which was the only area where sufficient water for a sample was present. Water was not discharging from the stormwater pond outfall pipe during the September sampling event.

### 2.8 Quality Assurance / Quality Control (QA/QC) Samples

The Quality Assurance / Quality Control (QA/QC) sampling requirements are summarized in **Appendix C** (SAP **Table 4-4**). QA/QC samples collected during the 2017 sampling events are summarized below.

- Field Duplicate samples were collected during the spring and fall sampling events at three monitoring wells (MW-4, AE-3A, and GZ-105), surface water sampling location SW-5, sediment sampling location SED-5, and seep sampling location L-1. Field duplicate samples were collected at water supply well R-3 during January and September 2017, at water supply well 25 FW during the January 2017 sampling event, and 21 SMW during September 2017.
- Additional aliquots for Matrix Spike and Matrix Spike Duplicate analyses were collected at two groundwater monitoring wells (MW-8 and AE-3A), at two water supply wells (21 SMW (January 2017 only) and R-3 (Fall 2017 only)), at surface water sampling location SW-5, and seep sampling location L-1 during the spring and fall sampling events.
- Trip Blanks for volatile organic compounds (VOCs) and/or low-level 1,4-dioxane were included in each of the coolers submitted to EAI during the three 2017 sampling events.
- A Field Blank (water used for final decontamination rinse) was submitted for analysis of VOCs (8260B and/or 524.2), target analyte list (TAL) total metals, 1,4dioxane (8260B SIM), and PFAS (Modified 537) during the January residential sampling and Spring and Fall 2017 sampling events.
- Equipment (Rinsate) Blanks were collected during the 2017 sampling events:
  - An electronic water level meter Equipment Blank was collected after well MW-8 was sampled and the water level meter was decontaminated during the spring and fall events.
  - The brass water supply well sampling apparatus Equipment Blank was collected prior to sampling water supply wells during the January and September sampling events.



- The sediment Equipment Blank was collected after all sediment samples were collected and the sediment sampling equipment (stainless steel bowl and spoon) was decontaminated during the spring and fall events.
- An Equipment Blank was collected for the single-use in-line 0.45-micron filter used to collect samples for analysis of dissolved metals at overburden monitoring wells sampled with a peristaltic pump during the spring and fall events.
- An Equipment Blank was collected for the single-use 0.45-micron filter/syringe setup used to collect samples for analysis of dissolved metals at surface water sampling locations and at overburden monitoring wells sampled using a bailer during the spring and fall events.

Results of QA/QC samples are discussed in **Section 3** and **Appendix E** of this report.

### SECTION 3 | QUALITY ASSURANCE/QUALITY CONTROL RESULTS

A component of the SAP is the implementation of a QA/QC program, including both field and office elements. Field QA/QC activities were conducted to verify that sample collection, handling, and storage methods are adequate to ensure sample integrity. Office QA/QC activities focus on the data evaluation to assess whether the laboratory data are complete and representative of site conditions.

The data quality objectives and associated validation requirements are specified in the SAP and include:

- Review of field equipment calibration data and beginning and end of the day checks;
- Review of raw data and field notes for outliers or inconsistencies that may indicate a problem with the equipment or sampling procedure;
- Review of the chain of custody forms for correctness and completeness;
- Review of the chain of custody forms to ensure that each cooler contains temperature blanks and the proper trip blanks for both VOCs and 1,4-Dioxane and to ensure that the correct sample handling protocols are followed;
- Review of field sampling worksheets to ensure that all field data and parameters were collected and documented correctly and accurately according to proper protocols;
- Review of relative percent difference (RPD) for duplicate samples to assess whether the sampling methods produce reproducible results; and
- Completion of a US EPA Region I Tier 1 Plus Data Validation to evaluate the laboratory reports for completeness, assess the results of QA/QC samples analyzed with field samples, confirm that all sample tests were performed within method holding times, and the qualification of laboratory data based on EPA guidelines for data validation listed in the SAP.

Results of the QA/QC activities are presented in **Appendix E**. Analytical laboratory reports are provided in **Appendix F**.



### **SECTION 4 | SUMMARY OF RESULTS**

### 4.1 Groundwater Elevations

Groundwater potentiometric surface contour maps were developed for bedrock groundwater (**Figure 3**) and overburden groundwater (**Figure 4**) using data collected on September 11, 2017. Consistent with data generated during previous monitoring events, the following observations are made from the overburden and bedrock groundwater potentiometric surface maps:

- Bedrock and overburden groundwater elevations in proximity to the landfill area support predominantly westward flow away from the landfill area toward a prominent north-northeast/south-southwest trending valley at the headwaters of Little River (to the south) and Berry's Brook (to the north).
- Water level elevations in overburden wells along the eastern boundary of the landfill (MW-4, OP-5, FPC-9A, FPC-11A, AE-1A, and GZ-117) in conjunction with a watershed boundary (topographic high) suggest an east/west shallow overburden flow divide is likely present proximal to the eastern boundary of the landfill. A similar divide is interpreted to exist in bedrock, although bedrock groundwater elevation data changes are subtle and support a primarily westward flow.

### 4.2 Groundwater Analytical Results

Analytical results for groundwater monitoring wells sampled during the Spring and Fall 2017 sampling events are provided in **Table 2** (OU-1 and OU-2 Groundwater Monitoring Wells). Analytical results for off-site water supply wells sampled in January 2017 and Fall 2017 are provided in **Table 3** (Off-site Water Supply Wells).

A historical summary of analytical results for contaminants of concern at groundwater monitoring points (monitoring wells and water supply wells) is provided in **Table 9**.

In general, parameter concentrations reported for samples collected during the Spring and Fall 2017 sampling event are similar to previous results.

The residential samples collected in January 2017 used the standard laboratory reporting limit of 8 nanograms per liter (ng/L) for PFAS while all other samples collected in 2017 utilized lower reporting limits specified by the regulatory agencies as presented in the SAP. As a result of the lower reporting limits for PFAS, several detections were reported at locations that were reported as Not Detected (ND) at the previous reporting limit of 8 ng/L. It is likely that PFAS would have been detected in previous sampling events at these locations if the laboratory had run modified methods with lower reporting limits. Note that none of the detections exceeded 8 ng/L where they were previously reported as ND. No other new parameters were detected in Site groundwater. Refer to **Section 5.2** for a discussion of groundwater regulatory threshold exceedances.

Groundwater samples were analyzed for hexavalent chromium during the Spring and Fall 2017 sampling events and was not detected in any sample during either event. It should be noted that hexavalent chromium results for five wells (FPC-6A, FPC-6B, AE-3A, FPC-8A, and FPC-8B) was rejected during that fall event due to low MS/MSD recoveries. Hexavalent chromium was not reported at FPC-6A, FPC-6B, AE-3A, FPC-8B above the reporting limit during the Spring 2017 sampling event. Hexavalent chromium does not have an EPA CL or NHDES AGQS.



### 4.3 Surface Water Analytical Results

Surface water samples were collected at SW-4, SW-5, SW-103, SW-110, SW-111, SW-LR, SW-BB1, and SW-BB2 during the Spring and Fall 2017 sampling events. Analytical results for the eight surface water samples are summarized in **Table 4**.

Results for surface water in 2017 reported no exceedances of the NHDES Surface Water Standards for acute exposure scenarios while chronic standard exceedances were limited to selenium (SW-5 and SW-5 dup, fall only), copper (SW-103, spring only; SW-BB2, fall only), iron (SW-111 and SW-BB1, fall only), and zinc (SW-BB-2, fall only). Surface water sampling locations SW-4 and SW-LR did not report any exceedances of the surface water standards for acute or chronic exposures in 2017.

PFOS at SW-5 (Fall 2017), SW-5 Dup (Spring and Fall 2017), and SW-103 (Fall 2017) slightly exceeded the EPA Site-specific surface water Screening Level for Child Recreator (exposure factor equal to 120 days) of 760 ng/L. SW-5 and SW-103 are located along the northwestern edge of the landfill to the east of the former railroad.

Refer to **Section 5.6** for a discussion of surface water regulatory threshold exceedances.

### 4.4 L-1 Seep Analytical Results

A seep sample was collected at location L-1 on April 28, 2017 and September 21, 2017. Analytical results for the L-1 seep are summarized in **Table 6**. Results for the sample indicate that water quality meets NHDES Surface Water Standards for acute and chronic exposure scenarios, with the exception of iron, which exceeded the chronic standard of 1 mg/L during the spring and fall sampling events. Iron has historically exceeded the chronic standards at L-1. However, concentrations were below both standards for the spring and fall sampling events. Results from the spring sampling event detected PFOS at concentrations above the EPA Site-specific surface water Screening Level for Child Recreator (exposure factor equal to 120 days) of 760 ng/L (1,930D ng/L, original sample; 1,560J ng/L, duplicate sample).

The L-1 seep sample collected on April 28, 2017 was collected during a wet period (rainfall had occurred prior to and during the sampling event). As a result, significant intermingling of running water below the stormwater outfall pipe and seepage from the embankment was occurring. The fall sample collected on September 21, 2017 was collected from a depression in the ponded water area downslope of the outfall pipe and seepage embankment, which was the only area where sufficient water for a sample was present. Water was not discharging from the stormwater pond outfall pipe during the September sampling event.

Refer to **Section 5.7** for a discussion of L-1 seep regulatory threshold exceedances.

### 4.5 Sediment Analytical Results

Sediment samples were collected at SED-4, SED-5, SED-110, SED-LR, and SED-BB2 during the Spring and Fall 2017 sampling events. Two additional sediment samples (SED-111 and SED-BB1) were collected during the Fall 2017 sampling event. A duplicate sample was also collected at SED-5 during both sampling events. Analytical results for sediment samples and the National Oceanic and Atmospheric Administration Screening Quick Reference Tables (NOAA SQuiRT Tables) Threshold Effect Concentrations (TEC) for freshwater sediment applicable to this Site are summarized in **Table 5**. Results for samples collected 2017, indicate the following TEC exceedances:



- SED-4 exceeded the TEC for cadmium and zinc (Fall 2017) and lead and mercury (Spring and Fall 2017);
- SED-5/SED-5 dup exceeded the TEC for mercury (Spring 2017); chromium and nickel (Fall 2017); and arsenic, copper, and lead (Spring and Fall 2017);
- SED-110 exceeded the TEC for mercury (Spring 2017) and lead (Fall 2017);
- SED-111 exceeded the TEC for lead (Fall 2017);
- SED-LR exceeded the TEC for arsenic and nickel (fall 2017);
- SED-BB1 exceeded the TEC for nickel (Fall 2017); and
- SED-BB2 exceeded the TEC for arsenic (Fall 2017).

Refer to **Section 5.8** for a discussion of sediment regulatory threshold exceedances.

### SECTION 5 | ANNUAL DATA SUMMARY AND DISCUSSION

The SAP requires water quality sampling data be evaluated to identify spatial and temporal trends and the status of remedial objectives. The following evaluations were completed to assess these objectives.

- Preparation of groundwater potentiometric surface contour maps for overburden and bedrock groundwater.
- Preparation of time series plots for constituents of concern at wells where concentrations are currently or have recently exceeded CLs or AGQSs.
- Trend analysis for constituents of concern at wells where concentrations are currently or have recently exceeded CLs or AGQSs.
- Preparation of figures showing the vertical and lateral distributions of constituents of concern present at the Site that exceed CLs, AGQSs, or HAs.

### 5.1 Groundwater Potentiometric Surfaces

As noted earlier in this report, groundwater flow in overburden and bedrock is primarily westward from the landfill based on groundwater elevation data. Interpretation of groundwater flow patterns in the Remedial Investigation (RI) identified a groundwater flow divide that is coincident with a topographic high (and watershed boundary) located just east of the landfill and oriented in a north – south direction. Prior to regrading of landfill refuse and installation of the cover system, landfill refuse was located proximal to the eastern property boundary on or near the topographic high point. During this time, it is likely that a component of infiltrating water and/or stormwater runoff resulted in groundwater impacts that migrated eastward away from the groundwater divide. Water quality data in monitoring wells east of the landfill indicated landfill related impacts were present, albeit at relatively minor concentrations compared to water quality data from monitoring wells located west of the landfill.

During construction of the cover system, landfill refuse was consolidated into the current landfill footprint. Refuse located near the topographic high was pulled westward into the current landfill footprint and perimeter ditches were installed to convey stormwater runoff to stormwater basins (ponds) located west of the topographic high. As a result of these construction activities and based on groundwater elevation data collected since that time, groundwater under the landfill is interpreted now to flow in a westerly direction.



Nonetheless, the CLG was requested by EPA and NHDES in May 2017 to investigate whether monitoring wells installed during the RI and located east of the landfill were still present and able to be sampled. A review of RI Site plans and a visual reconnaissance of the area identified two wells, GZ-109 and GZ-117, to the east of the landfill and Route 1 that could be utilized to assess conditions east of the landfill. Depth to water and subsequent elevation data from the overburden well, GZ-117, shows that an easterly component of flow is present to the east of Route 1. Data from the bedrock well GZ-109 is less distinct (groundwater elevations similar to wells west of Lafayette Road) and suggests that easterly flow in bedrock is subtle at best. A discussion of water quality in wells GZ-109 and GZ-117 is included in **Section 5.2**.

Overburden and bedrock groundwater flowing beyond the western margin of the landfill is affected by a flow divide located in a broad topographic saddle to the west of the landfill, which results in the bifurcation of groundwater flow into two distinct flow pathways along a prominent north-northeast/south-southwest trending valley. The north-northeastern flow pathway is situated within the watershed of Berry's Brook, which drains to the northeast across Breakfast Hill Road. The south-southwestern flow pathway is situated within the watershed of the Little River, which drains to the south-southwest across North Road.

In general, groundwater elevations, flow direction, and hydraulic gradients determined using water level data from September 11, 2017, are consistent with those measured in previous annual sampling events.

### 5.2 Groundwater Quality Regulatory Threshold Exceedances

### 5.2.1 Monitoring Wells

Analytical results from overburden and bedrock monitoring wells were tabulated and compared to EPA-established Cleanup Levels (CLs), NHDES-established Ambient Groundwater Quality Standards (AGQSs) and Federal Health Advisories (HAs). CL and AGQS exceedances reported in groundwater samples collected during the 2017 sampling events are similar to previous results. The number of CL/AGQS exceedances in OU-1 and OU-2 are summarized in the right most columns on **Table 2** and discussed herein.

Parameters reported at concentrations exceeding CLs or AGQSs during the 2017 events are summarized below.

### Total/Dissolved Arsenic

Groundwater samples from 37 monitoring wells were submitted for analysis of total or dissolved arsenic.

The CL and AGQS for arsenic is 0.01 milligrams per liter (mg/L). CL/AGQS exceedances occurred at the following eighteen (18) wells:

<u>OU-1:</u> MW-4, MW-5S, MW-11, OP-2, OP-5, and BP-4 (Spring and Fall 2017); MW-5D, MW-9, and MW-10 (Fall 2017),

<u>OU-2:</u> AE-1A, AE-2A, AE-3A, AE-3B, FPC-3C, FPC-9A, and GZ-105 (Spring and Fall 2017); FPC-11A (Spring 2017 only); and AE-2B (Fall 2017 only).



Of the 37 groundwater wells sampled in 2017, 19 did not report arsenic above the CL/AQGS. Well FPC-11A exceeded the CL/AGQS for the first time during the spring of 2017. However, concentrations of arsenic at FPC-11A fell below the CL/AGQS during the fall 2017 sampling event. There were no other first-time exceedances for arsenic in 2017. The highest concentrations of arsenic were reported in overburden wells located along the northern and western edges of the landfill. Concentrations of arsenic were generally lower in bedrock wells paired with an overburden well and decreased with distance away from the landfill. This is consistent with historical data.

### Total/Dissolved Manganese

Groundwater samples from 37 monitoring wells were submitted for analysis of total or dissolved manganese.

The CL for manganese is 0.3 mg/L. CL exceedances occurred at the following 23 wells:

- <u>OU-1:</u> MW-4, MW-5D, MW-5S, MW-6, MW-8, MW-11, OP-2, OP-5, and BP-4 (Spring and Fall 2017); MW-9 and MW-10 (Fall 2017 only),
- <u>OU-2:</u> AE-1A, AE-1B, AE-2A, AE-2B, AE-3A, AE-3B, FPC-6A, FPC-6B, FPC-11A, and GZ-105 (Spring and Fall 2017); AE-4B and FPC-11B (Fall 2017 only),

The AGQS for manganese is 0.84 mg/L. AGQS exceedances occurred at the following 15 wells:

<u>OU-1:</u> MW-4, MW-5S, MW-8, OP-2, OP-5, and BP-4 (Spring and Fall 2017); MW-5D, MW-6, MW-9, and MW-10 (Fall 2017 only).

<u>OU-2:</u> AE-2A (Spring 2017 only), AE-2B, AE-3A, AE-3B, and FPC-6A (Spring and Fall 2017).

Of the 37 groundwater wells sampled in 2017, 14 did not report manganese above the CL while 22 of the 37 wells sampled did not report manganese above the AGQS. Well AE-2A was reported above the AGQS for manganese during Spring 2017 sampling event for the first time since August 2002. However, concentrations of manganese at AE-2A fell below the AGQS during the Fall 2017 sampling event. Concentrations of manganese at AE-2A fell below the AGQS during the Fall 2017 sampling events in 2017. There were no first-time exceedances of the CL or AGQS for manganese in 2017. The highest concentrations of manganese were reported in overburden wells located along the northwestern edge of the landfill and in bedrock wells located to the south and north of the landfill. Concentrations of manganese were generally lower in deep bedrock wells as compared to shallow bedrock and overburden wells. This is consistent with historical data.

### 1,4-Dioxane

Groundwater samples from a subset of monitoring wells in OU-1 and OU-2 were submitted for analysis of 1,4-dioxane using a low-level detection limit methodology, including nine monitoring wells in OU-1 and 13 monitoring wells in OU-2. The NHDES AGQS and EPA CL for 1,4-dioxane is 3 ug/L.



AGQS exceedances occurred at the following 17 wells:

<u>OU-1:</u> MW-4, MW-5D, MW-5S, MW-8, MW-11, and BP-4 (Spring and Fall 2017); MW-9 and MW-10 (Fall 2017 only),

<u>OU-2:</u> AE-2B, AE-3A, AE-3B, FPC-5B, FPC-6A, FPC-6B, FPC-9A, and GZ-105 (Spring and Fall 2017); AE-2A (Spring only).

Of the 37 groundwater wells sampled in 2017, 20 did not report 1,4-dioxane above the CL/AGQS. Monitoring wells MW-10 and FPC-9A were sampled for 1,4-dioxane for the first time in 2017 and both reported concentrations above the CL/AGQS during one or both sampling events. There were no other first-time exceedances of the CL/AGQS for 1,4-dioxane in 2017. The highest concentrations of 1,4-dioxane were reported in bedrock wells located along the western and southern edge of the landfill. Concentrations of 1,4-dioxane were generally higher in bedrock wells as compared to overburden wells in the vicinity of the landfill. Concentrations were generally lower in bedrock wells as compared to overburden wells as distance away from the landfill increased. This is consistent with historical data.

### Tertiary-butyl alcohol (TBA)

Groundwater samples from a subset of monitoring wells in OU-1 and OU-2 were submitted for analysis VOCs (EPA Method 8260B NHDES Full List), including five monitoring wells in OU-1 and 18 monitoring wells in OU-2. The EPA has not established an CL for TBA. The NHDES AGQS for TBA is 40 ug/L.

The AGQS for TBA was exceeded at two bedrock wells in OU-1 (MW-5D, Fall 2017, and MW-8, Spring 2017), which is consistent with historical data. TBA was reported at the AGQS at MW-5D in the Spring of 2017 and at MW-8 in the Fall of 2017. TBA was reported as Not Detected (ND) above laboratory detection limits at the remaining monitoring wells sampled in OU-1 and OU-2.

### <u>Tetrahydrofuran</u>

Groundwater samples from a subset of monitoring wells in OU-1 and OU-2 were submitted for analysis VOCs (EPA Method 8260B NHDES Full List), including 5 monitoring wells in OU-1 and 18 monitoring wells in OU-2. The NHDES AGQS for tetrahydrofuran is 600 ug/L and the EPA CL is 154 ug/L.

The EPA CL and AGQS were not exceeded in OU-1 and OU-2 wells during 2017. Historically, the EPA CL has been exceeded at MW-8. However, concentrations for tetrahydrofuran at MW-8 were reported at 110 ug/L (Spring 2017) and 120 ug/L (Fall 2017).

Reported concentrations are generally consistent with past events.

### <u>PFAS</u>

PFAS has not been established as a COC for the Coakley Site. The EPA and NHDES identified PFAS as an emerging environmental contaminant in 2016 and requested the CLG investigate the presence (or absence) and concentrations of PFCs in groundwater. In 2016, sampling for PFAS was initially undertaken at a select group of monitoring wells within OU-1. Based on the results of the initial investigation, sampling was expanded to include monitoring wells in OU-2.



With only three sets of results, there is insufficient data to identify clear trends. However, for comparative purposes, data from 2016 is included with the discussion of 2017 data. Parameters reported at concentrations exceeding HAs during the 2017 events are summarized below.

### <u>PFOA</u>

Groundwater samples from 37 monitoring wells were submitted for analysis of PFOA.

The HA for PFOA is 70 nanograms per liter (ng/L). HA exceedances occurred at the following seventeen (17) wells:

<u>OU-1:</u> MW-4, MW-5D, MW-5S, MW-8, MW-9, MW-10, and MW-11 (Spring and Fall 2017); OP-2 (Spring 2017 only),

<u>OU-2:</u> AE-2A, AE-2B, AE-3A, AE-3B, FPC-5B, FPC-6A, FPC-6B, FPC-9A, and GZ-105 (Spring and Fall 2017).

The number of HA exceedances for PFOA in 2017 are consistent with 2016 results, with the exception of MW-5D, which had not detected a concentration above the HA in 2016. Concentrations of PFOA in MW-5D during the fall event are only slightly higher than those reported in 2016 (82 vs 62 ng/l) while the concentration of PFOA during the spring event was 119 ng/L. Two wells sampled for the first time for PFAS in 2017 reported exceedances of the HA for PFOA (MW-10, Spring and Fall 2017 and OP-2, Spring 2017). There were no other first-time exceedances of PFOA in 2017.

Of the 37 groundwater wells sampled in 2017, 20 did not report PFOA above the HA. The highest concentrations of PFOA were reported in shallow bedrock wells located along the southwestern edge of the landfill and in overburden wells located along the northwestern and southeastern corners of the landfill. There is no clear distinction between concentrations of PFOA in bedrock and overburden wells. However, concentrations were generally lower in wells as distance away from the landfill increased.

### PFOS

Groundwater samples from 37 monitoring wells were submitted for analysis of PFOS.

The HA for PFOS is 70 ng/L. HA exceedances occurred at the following 10 wells:

OU-1: MW-5S, MW-8, MW-9, MW-10, and MW-11 (Spring and Fall 2017),

<u>OU-2:</u> AE-2A, AE-2B, AE-3A, and GZ-105 (Spring and Fall 2017); AE-3B (Spring 2017 only).

The number of HA exceedances for PFOS in 2017 are consistent with 2016, with the exception of AE-3B, which was reported slightly above the HA during the Spring 2017 event (91 ng/l) and had been reported at a concentration of 62.8 ng/L (slightly below the HA) in 2016. PFOS results in the sample from AE-3B during the fall event (64 ng/l) did not exceed the HA and were consistent with the 2016 results. One well, sampled for the first time for PFAS in 2017 reported exceedances of the HA for PFOS (MW-10, Spring and Fall 2017). There were no other first-time exceedances of PFOS during 2017.



Of the 37 groundwater wells sampled in 2017, 27 did not report PFOS above the HA. The highest concentrations of PFOS were reported in shallow bedrock and overburden wells located along the western edge of the landfill. There is no clear distinction between concentrations of PFOS in bedrock and overburden wells. However, concentrations were generally lower in wells as distance away from the landfill increased. Concentrations of PFOS were generally lower than PFOS in bedrock and overburden wells.

### PFOA/PFOS Combined

Groundwater samples from 37 monitoring wells were submitted for analysis of PFOA/PFOS combined.

The HA for PFOA/PFOS combined is 70 nanograms per liter (ng/L). HA exceedances occurred at the following eighteen (18) wells:

<u>OU-1:</u> MW-4, MW-5D, MW-5S, MW-8, MW-9, MW-10, and MW-11 (Spring and Fall 2017); OP-2 and BP-4 (Spring 2017 only),

<u>OU-2:</u> AE-2A, AE-2B, AE-3A, AE-3B, FPC-5B, FPC-6A, FPC-6B, FPC-9A, and GZ-105 (Spring and Fall 2017).

The number of HA exceedances for the combination of PFOA/PFOS in 2017 is consistent with 2016. Two wells sampled for the first time for PFAS in 2017 reported exceedances of the HA for PFOA/PFOS combined (MW-10, Spring and Fall 2017 and OP-2, Spring 2017). There were no other first-time exceedances of PFOA/PFOS during 2017

Of the 37 groundwater wells sampled in 2017, 19 did not report the combination of PFOA/PFOS above the HA. Concentrations of the combination of PFOA/PFOS were consistent with the concentrations of PFOA whereas the highest were reported in shallow bedrock wells located along the southwestern edge of the landfill and in overburden wells located along the northwestern and southeastern corners of the landfill. There is no clear distinction between concentrations of PFOA/PFOS in bedrock and overburden wells. However, concentrations were generally lower in wells as distance away from the landfill increased.

In general, concentrations of COCs and PFAS are highest in OU-1 wells near the landfill boundary and tend to decrease with distance from the landfill. With the exception of manganese in four residential wells, concentrations of COCs and PFAS do not exceed CLs or AGQS outside of the GMZ.

### 5.2.2 Off-Site Water Supply Wells

Analytical results for VOCs (EPA Method 524 NHDES Full List), 1,4-dioxane using a lowlevel detection limit methodology (EPA Method 8260B SIM), arsenic and manganese (EPA Method 200.8), and PFAS (EPA 537 Modified) for the 23 off-site water supply wells sampled were tabulated and compared to EPA-established CLs, NHDES-established AGQSs, and EPA HAs. Results are summarized in **Table 3**.

Arsenic, VOCs, PFOA, PFOS, and PFOA/PFOS combined were not detected above applicable EPA CL, NHDES AGQS, or federal health advisories in any residential wells sampled during 2017.



Consistent with previous sampling events and historical data, 1,4-dioxane was not detected in water supply wells 415BHR and 346BHR as well as 18 of the 19 additional water supply wells sampled in 2017.

1,4-dioxane concentrations reported in off-site water supply well R-3 ranged from 0.28 ug/L (September 2017 original sample) to 0.34 ug/L (January 2017 duplicate sample) and from 0.35 ug/L (January 2017) to 0.54 ug/L (September 2017) in well 339 BHR. 1,4-dioxane concentrations continue to be stable below the EPA Cleanup Level and NHDES AGQS in these wells and are evidence of plume stability in this area. 1,4-dioxane was also reported in off-site well 178A LR at a concentration of 0.29 ug/L (sampled for the first time in September 2017), well below the EPA Cleanup Level and NHDES AGQS.

Manganese exceeded the EPA CL of 0.3 ug/L at 339BHR during the January 2017 (0.42 mg/L) and September 2017 (0.34 mg/L) sampling events but was well below the AGQS (0.84 mg/L). Manganese also exceeded the EPA CL of 0.3 mg/L at 346 BHR during September 2017 (0.45 mg/L), at 4ROD during January 2017 (0.38 mg/L) and September 2017 (0.42 mg/L), and at 5 BFL during January 2017 (0.82 mg/L) and September 2017 (2.3 mg/L). The only exceedance of the NHDES AGQS for manganese (0.84 mg/L) in off-site water supply wells in 2017 was at 5 BFL during September 2017.

The residential samples collected in January 2017 used the standard laboratory reporting limit of 8 ng/L for PFAS, while all other samples collected in 2017 utilized lower reporting limits specified by the regulatory agencies as presented in the SAP. As a result of the lower reporting limits for PFAS, several detections were reported at locations that were reported as Not Detected (ND) at the previous reporting limit of 8 ng/L. It is likely that PFAS would have been detected in previous sampling events at these locations if the laboratory had run modified methods with lower reporting limits. Note that none of the detections exceeded 8 ng/L where they were previously reported as ND. No other new parameters were detected in Site groundwater. Refer to **Section 5.2.2** for a discussion of groundwater regulatory threshold exceedances.

Although very low concentrations of PFOA, PFOS, and/or PFOA/PFOA combined were reported in one or more residences in 2017, there were no exceedances of the HA for PFOA, PFOS, or PFOA/PFOS combined in any of the residential wells sampled in 2017. The highest combined PFOA/PFOA concentration in any residential supply well located in Stone Meadow Way, Red Oak Drive, Berry Farm Lane, and Falls Way was less than 8 ng/l, with the exception of 339 BHR (Golf Course) at 17.8 and 13.5 ng/l in January 2017 and September 2017, respectively, which is well below the applicable HA. Although there are a significant number of individual PFAS, only PFOA, PFOS, and PFOA/PFOS combined have HAs/AQGSs. For 2017, samples were analyzed for a list of PFAS recommended by the agencies which included six different individual compounds. Of the four-remaining individual PFAS compounds analyzed in 2017, most were reported as not detected above the reporting limit. However, if a concentration was detected it was generally at low or "estimated" concentration and are reported on applicable summary tables in this report.

Note that combined PFOA/PFOS concentrations at four residential wells added to the sampling program in September 2017 were less than 10 ng/l. Three of these wells are located south of North Road and are not considered to be in a groundwater flow path from the landfill.



### 5.3 Parameter Isoconcentration Maps and Cross Sections

Isoconcentration maps were prepared to show the lateral and vertical distributions of arsenic, manganese, 1,4-dioxane, PFOA, PFOS, and the combination of PFOA/PFOS concentrations in overburden and bedrock groundwater. Isoconcentration maps for benzene and tetrahydrofuran were not prepared because no CL/AGQSs exceedances were reported in 2017. Isoconcentration maps for TBA were not prepared because TBA was only detected in two wells located in close proximity to one another in OU-1.

The interpreted lateral distributions of arsenic, manganese, 1,4-dioxane, PFOA, PFOS, and combination of PFOA/PFOS in overburden and bedrock groundwater are shown on **Figures 5 to 16**. The interpreted vertical distributions of arsenic, manganese, 1,4-dioxane, PFOA, PFOS, and combination of PFOA/PFOS in groundwater are shown on **Figures 17 to 28**. General conclusions based on a review of **Figures 5 through 28** are discussed below.

- The addition of monitoring wells GZ-109 and GZ-117 to the east and the FPC-3 series monitoring wells to the southwest have provided a better understanding of the extent of impacts south and east of the landfill. Data from these sampling locations demonstrate that water quality impacts above applicable regulatory standards are contained within the GMZ.
- In general, arsenic, manganese, 1,4-dioxane, PFOA, PFOS, and the combination of PFOA/PFOS concentrations in bedrock and overburden groundwater decrease with distance from the landfill area and appear to migrate toward Berry's Brook and Little River consistent with the Site conceptual model.
- The horizontal and vertical distributions of 1,4-dioxane, arsenic, manganese, PFOA, PFOS, and the combination of PFOA/PFOS concentrations in bedrock and overburden groundwater are consistent with groundwater flow directions established using groundwater potentiometric surface elevations at wells and well couplets.
- Arsenic was not detected at concentrations above regulatory standards in residential wells north of the GMZ during 2017, suggesting that arsenic concentrations above the regulatory standard are contained within the GMZ.
- Results for arsenic, manganese, and 1,4-dioxane for 2017 are consistent with historical data, although a moderate decline/stabilization in arsenic concentrations is noted at wells FPC-6A and B, the most northerly monitoring location within the GMZ, and in 1,4-dioxane at MW-8, MW-11, and AE-2A, located west of the landfill.
- Results from the FPC-3 series monitoring wells and FPC-4B indicate that the extent of groundwater impacts to the south of the Site do not extend beyond these wells in overburden and shallow bedrock. Concentrations reported above the applicable CL/AGQS/HA appear to extend approximately 1,000 feet south of the landfill.
- Based on the analytical results from monitoring well FPC-4B and the AE-4 series monitoring wells in conjunction with watershed boundaries, geologic structure and groundwater elevation data, we interpret that groundwater impacts above CLs, AGQS and/or HAz do not extend beyond the western boundary of the GMZ.
- Analytical results from the FPC-6 series monitoring wells have shown limited impacts with manganese being reported above the CL/AGQS and PFAS being reported above the applicable HAs in 2017.



- Water quality data from the two eastern most monitoring wells GZ-109 and GZ-117 have confirmed that groundwater quality impacts are limited to a small area east of the landfill and do not extend beyond the eastern boundary of the GMZ. These data along with groundwater elevation data also support the interpretation that a significant groundwater flow path from the landfill to the east is not present.
- The extent of water quality impacts above regulatory standards is less well defined to the north of the Site along Berry's Brook due to the lack of downgradient monitoring wells near the northern boundary of the GMZ. The CLG plans to install two well couplets in this area to further define the extent of water quality impacts in this area. However, as discussed in **Section 5.2.2**, residential well sampling completed at locations north of the GMZ boundary did not detect any COC concentrations above the CLs, AGQSs or HAs with the exception of manganese, a naturally occurring COC which was detected in one well above the AGQS and 4 wells above the EPA CL.

### 5.4 Parameter Trend Analysis for Groundwater

Mann-Kendall statistical trend analysis tests were completed for arsenic and manganese at groundwater monitoring points where regulatory threshold exceedances were reported in the last five years, and at wells that were compliant with regulatory thresholds in the last five years, if arsenic or manganese exceedances were reported in the last five years in the associated well couplet. Statistical trend analysis tests were completed for TBA, 1,4dioxane, and benzene at groundwater monitoring points where it has been detected in the last 14 years. There is insufficient data to perform statistical trend analysis for PFAS.

The Mann-Kendall test is a statistical method for assessing the probability that an increasing trend exists in a given data set. The test evaluates each data point relative to previous data points to calculate the number of positive and negative differences between constituent concentrations. Based on the number of data points and the sum of the negative and positive differences between adjacent data points, the probability that a statistically significant trend exists is calculated at the confidence limit selected.

Mann-Kendall trend analysis tests were completed using data collected from 2004 to 2017 when five or more data points and two or more detections above the laboratory practical quantitative limit (PQL) were available. For non-detect results, the detection limit was used to complete the trend test. For the majority of the tests, 10 or more data points were available for this 14-year period (2004-2017). However, fewer than 10 data points are available for TBA and 1,4-dioxane because analysis for these parameters did not begin until 2007 and 2009, respectively. A confidence limit of 95 percent was selected to identify statistically significant trends (i.e., there is a 95 percent probability that the trend calculated by the test exists). The Mann-Kendall trend tests were completed with ChemStat<sup>™</sup> Starpoint Software, Advanced Statistical Analysis of Ground Water, Surface Water, Soil, or Air Quality Monitoring Data.

Time-series trend plots (attached) for each of the data sets were prepared and visually reviewed to verify that the last five years of data in each data set are consistent with statistical trend analysis results and in the context of the complete data set.

The results of CES' statistical analysis and qualitative/visual review of the time series charts for arsenic, manganese, benzene, TBA and 1,4-dioxane are provided on **Table 8**. Conclusions drawn by CES based on statistical trend analysis and a visual review of time-series plots are summarized below.



### 1,4-Dioxane

- Mann-Kendall tests for 1,4-dioxane at monitoring wells indicate statistically significant evidence of a decreasing trend at five out of thirty-seven monitoring wells (bedrock wells MW-5S, MW-8, MW-11, and FPC-8B and overburden monitoring well AE-2A).
- A review of time series plots indicated that a visually apparent decreasing trend in 1,4-dioxane concentrations is present at four additional wells (deep bedrock wells BP-4, AE-2B, and AE-3B and overburden well AE-3A).
- 1,4-dioxane concentrations are stable below the CL and AGQS at the two off-site water supply wells (R-3 and 339BHR) where it has been detected in previous sampling events.
- Increasing trends were not identified in any monitoring wells sampled in 2017.

### <u>Benzene</u>

 Benzene concentrations at the seven monitoring wells where it was detected in 2017 are stable or decreasing (i.e., MW-5D, MW-5S, MW-8, MW-11, AE-3A, AE-3B, and GZ-105). A statistically significant increasing trend was not reported in any well for benzene.

### Tertiary-butyl alcohol

TBA concentrations at the two wells where it has been detected (MW-5D and MW-8) are stable. At MW-5D, no statistically significant trend is reported, and review of time series plots indicates that concentrations are stable. At MW-8, a statistically significant decreasing trend was reported, but review of time series plots indicates that concentrations are stable, which is consistent with historical data.

### Arsenic & Manganese (Redox Metals)

Arsenic and manganese are naturally occurring elements in soil and bedrock in much of New Hampshire and New England. The solubility of these elements are affected by the local geochemical environment, particularly, the strength of oxidizing or reducing conditions. In general, more reducing conditions (lower dissolved oxygen, lower ph, lower alkalinity) result in greater solubility of both manganese and arsenic. Reducing conditions can occur naturally in areas such as wetlands, bogs, or other area where natural degradation of organic materials is occurring or where limited exchange of fresh water is occurring, and oxygen becomes depleted. Reducing conditions can also occur due to anthroipogenic (man-made) causes such as landfills, composting, mulching, wastewater treatment, and related activity. As a result, the specific source or cause of arsenic and manganese at specific locations may be affected by one or more of the factors discussed above. A review of historic data and concentrations detected in 2017 indicate the following.



- No trend or a decreasing trend in arsenic is apparent at seventeen groundwater monitoring locations, including: bedrock wells MW-5D, MW-5S, MW-8, MW-11, FPC-6B, AE-1B, AE-2B, AE-3B, and GZ-105; overburden (outwash) wells MW-4, MW-9, MW-10, OP-2, and OP-5; and overburden (till) wells AE-1A, AE-2A, and AE-3A. No trend or decreasing trend in manganese is apparent at 16 groundwater monitoring locations, including: bedrock wells MW-5S, MW-6, MW-8, FPC-6B, FPC-11B, AE-2B, and AE-4B; overburden (outwash) well OP-5, AE-4A, MW-4, MW-9, and MW-10; and overburden (till) wells AE-1A, FPC-6A, FPC-9A, and FPC-11A. This is indicative of stable or improving water quality,
- At the GMZ boundary well couplet FPC-6, a review of time series plots for arsenic and manganese indicates that concentrations show no trend in shallow bedrock well FPC-6B. A review of time series plots indicate that manganese concentrations have continued to fluctuate in the shallow overburden (till) well FPC-6A and do not show a clear trend. Arsenic was not reported above the EPA CL or NHDES AGQS at FPC-6A in 2017.
- The Mann Kendall trend analysis reported that manganese concentrations are increasing at overburden (outwash) well OP-2 and no trend is present for arsenic at OP-2 and OP-5 or for manganese at OP-5. A review of time series plots indicate that arsenic shows an apparent increase in OP-5 and manganese shows an apparent decrease in both wells. The manganese concentration at OP-2 was reported at a historical high in the spring, while OP-5 manganese concentrations remain within the historic ranges. Arsenic showed a slight increase in concentration at OP-2 for the Fall 2017 sampling (15 ug/L to 26 ug/L). However, concentrations remain below the historical high.
- Arsenic and manganese concentrations at bedrock well BP-4 appear to be slowly increasing based on a review of the time series plot with concentrations of manganese remaining within historical ranges reported at the well. However, arsenic at BP-4 was reported at a historical high in 2017. Concentrations of arsenic and manganese decrease as one moves east from BP-4, away from the landfill.
- Arsenic concentrations at overburden (till) well FPC-9A appear to be slowly increasing since August 2008. However, the magnitude of increase is very low, and concentrations remain within historical ranges reported at the well.
- At open borehole well MW-6, manganese concentrations have fluctuated over time. Changes in sampling methodologies (as highlighted on the time series plot) have been accompanied by significant changes in manganese concentrations and affect the accuracy of the manganese trend determination. Arsenic concentrations continue to be well below the AGQS/CL and have remained stable during the transition between different sampling methods.
- Bedrock wells MW-5D, AE-1B, and AE-3B and overburden (till) wells AE-2A and AE-3A reported increasing trends in manganese. Although these wells have shown an increase, the magnitude of the increase is generally low, and concentrations remain at/below historical ranges reported in wells.



### 5.5 Status of Constituents of Concern in Groundwater

A table summarizing the COCs and associated EPA-established CLs and/or NHDESestablished AGQSs is provided in **Section 1.1**. Analytical data for each COC from November 2000 to September 2017 at groundwater monitoring location identified in the SAP are provided in **Table 9**. Although PFAS has not been formally designated as a COC, a summary of analytical results from 2016 and 2017 are included in **Table 9**. A brief summary of the status of each constituent, based on the data presented in **Table 9** is provided below:

- <u>Benzene:</u> Trace concentrations below the CL/AGQS continue to be reported in seven monitoring wells located in close proximity to or downgradient of the landfill. In the last five years, concentrations have exceeded CLs or AGQSs at 2 wells (MW-8 and GZ-105). No exceedances were reported since 2015.
- <u>Chlorobenzene</u>: Trace concentrations continue to be reported in seven monitoring wells located in close proximity to or downgradient of the landfill. The last exceedance of an CL or AGQS was reported at MW-9 in 2002.
- <u>Tetrachloroethylene</u>: No detections have been reported since the start of the longterm monitoring plan in 1999.
- <u>Tetrahydrofuran</u>: In the last five years, detections have been reported at six monitoring wells located in close proximity to or downgradient of the landfill. MW-8 slightly exceeded the CL (154 ug/L) for tetrahydrofuran during 2016. However, was reported below the CL in 2017 (110 and 120 ug/L, Spring and Fall 2017). Prior to that, the last reported exceedance of an CL or AGQS was in 2010 (MW-8).
- <u>1.2-dichloropropane</u>: No detections have been reported since the start of the longterm monitoring plan in 1999.
- <u>2-butanone</u>: In 1998 and 1999, trace concentrations were reported at MW-11. No detections have been reported since 2000.
- <u>Diethyl phthalate / Phenol:</u> In May 1998 and April 1999, groundwater samples were submitted for analysis of semi-volatile organic compounds (SVOCs) and no exceedances were reported. Therefore, SVOCs were removed from the long-term monitoring plan.
- <u>Trans-1,2-dichloroethene:</u> No detections have been reported since the start of the long-term monitoring plan in 1999.
- 1,4-dioxane: Since August 2009, samples from selected monitoring wells have ٠ been analyzed for 1,4-dioxane with a low-level detection limit methodology (EPA Method 8260B SIM). However, all monitoring wells were analyzed for 1,4-dioxane in 2017. 1,4-dioxane is commonly reported above the CL/AGQS in monitoring wells located in close proximity to or downgradient of the landfill and was reported in 17 of the 37 wells sampled in 2017 above the CL/AGQS. Trace concentrations below the AGQS have been reported at two water supply wells (R-3 and 339BHR) located downgradient of the landfill along Breakfast Hill Road. 1,4-dioxane was also reported a trace concentration at water supply well 178A LR, which was sampled for the first time in 2017. 1.4-dioxane was not detected in the 20 other water supply wells sampled in 2017. Increasing trends did not occur for any wells sampled in 2017. A visually apparent decreasing trend in 1,4-dioxane concentrations is present at shallow bedrock wells MW-5S, MW-8, MW-11, and FPC-8B, in overburden monitoring wells AE-2A and AE-3A screened in the till unit, and in bedrock wells BP-4, AE-2B, and AE-3B.
- <u>Tertiary butyl alcohol (TBA)</u>: Samples from selected monitoring wells have been analyzed for TBA since 2007. TBA has been reported above the reporting limits at two wells (MW-5D, Fall 2017, and MW-8, Spring 2017). Both wells reported a concentration slightly above the NHDES AGQS in 2017.



- <u>Antimony</u>: Antimony is rarely detected in groundwater. The last exceedance was an isolated detection/exceedance reported at AE-4A in 2006.
- Arsenic/Manganese: Arsenic and manganese are reported above cleanup criteria (CL/AGQS) at many wells located in close proximity to or downgradient of the landfill. Arsenic and/or manganese exceedances were or have been reported at several monitoring wells (FPC-7, AE-1 and AE-4, and historically at GZ-123, GZ-125 and FPC-2) located hydraulically upgradient or cross-gradient of the impacted groundwater area. An arsenic and manganese background study will be completed in 2018 to determine if this result remains consistent with previous interpretations (Summit, 2013) indicating the landfill is *not* considered to be the primary source of arsenic and manganese in groundwater and that a reducing condition in groundwater downgradient of the landfill resulted in the mobilization of naturally occurring arsenic and manganese present in overburden and bedrock.
- <u>Beryllium</u>: Beryllium is rarely detected in groundwater. The last exceedance was an isolated detection/exceedance reported at MW-6, AE-1A and FPC-11A in 2004.
- <u>Chromium/Lead/Nickel:</u> Chromium, lead and/or nickel exceedances (total metals) were reported at one well (MW-4) in 2006, 2007, and 2008. However, only trace concentrations well below cleanup criteria were reported at MW-4 since 2009.
- <u>Vanadium</u>: Trace concentrations have been reported at selected monitoring wells. No exceedances have been reported since 2005.
- PFOA: PFOA was reported above the Federal HA of 70 ng/L in eight OU-1 wells and nine OU-2 wells. The wells exceeding the HA are generally in close proximity to, downgradient of, or along the western edge of the landfill. There is insufficient data to establish trends. However, concentrations have been generally consistent with 2016 data, with no well showing a significant increase. Monitoring wells MW-10 and OP-2, were only sampled in 2017 and reported concentrations of PFOA in exceedance of the HA for one or both of the 2017 sampling events. However, MW-10 and OP-2 could not be compared to 2016 concentrations as they weren't sampled in 2016. Concentrations reported in MW-10 are consistent with concentrations reported in well MW-9, located approximately 300 feet to the south of MW-10. OP-2 is located along the northeastern corner of the landfill.
- PFOS: PFOS was reported above the Federal HA of 70 ng/L in five OU-1 wells and five OU-2 wells. The wells are generally in close proximity to, downgradient of, or along the western edge of the landfill. There is insufficient data to establish trends. However, concentrations have been generally consistent with 2016 data, with no well showing a significant increase. MW-10, located along the western edge of the landfill, was only sampled in 2017 and could not be compared to 2016 concentrations. Concentrations reported in MW-10 are consistent with concentrations reported in well MW-9, located approximately 300 feet to the south of MW-10.



Combined PFOA/PFOS: The combination of PFOA/PFOS was reported above the Federal HA of 70 ng/L in nine OU-1 wells and nine OU-2 wells. The wells are generally in close proximity to, downgradient of, or along the western edge of the landfill. There is insufficient data to establish trends. However, concentrations have been generally consistent with 2016 data with no one well showing a significant increase. Groundwater samples collected from monitoring wells MW-10 and OP-2, were analyzed for the presence of PFAS for the first time in 2017 and detected concentrations of PFOA/PFOS above the HA for one or both of the 2017 sampling events. Concentrations reported in MW-10 are consistent with concentrations reported in well MW-9, located approximately 300 feet to the south of MW-10. OP-2 is located approximately 100 feet from the northeastern boundary of the landfill and concentrations of PFOA/PFOS are similar or less than other monitoring wells located in close proximity to the landfill.

### 5.6 Surface Water Quality Regulatory Threshold Exceedances

Results for samples collected 2017, indicate that water quality meets NHDES Surface Water Standards for acute and chronic exposure scenarios, with the following exceptions:

- Iron at SW-111 and SW-BB1 exceeded the chronic standard of 1 mg/L during the Fall 2017 sampling event. SW-BB1 is located in a wetland area and SW-111 is located in an area of decomposed sediments that would result in reducing conditions due to decomposition of organic materials. As a result of these reducing conditions, soluble iron would be expected at relatively high concentrations. The elevated iron concentration is thought to be naturally occurring due to the nature of the sample location and is not attributable to an impact from the landfill.
- Copper at SW-103 during the Spring 2017 sampling event and at SW-BB2 during the Fall 2017 sampling event exceeded the chronic standard of 0.0027 mg/L.
- Zinc exceeded the acute and chronic standards (0.0362 and 0.0365 mg/L, respectively) at SW-BB2.
- Selenium at SW-5 was reported above the chronic standard of 0.0005 mg/L during the Fall 2017 sampling event.
- Note that cadmium, selenium, silver and lead were reported as "less than" the reporting detection limit (RDL). The RDLs are consistent with RDLs specified in the SAP. However, they exceed the "default" NHDES Surface Water Standards for acute and/or chronic exposure scenarios (refer to **Table 4**). Cadmium, selenium, silver, and lead have not been reported at elevated concentrations in groundwater samples or identified as constituents of concern at the landfill. Therefore, surface water quality impacts from these constituents are not considered to be attributable to the landfill.
- PFOS at SW-5 (Fall 2017), SW-5 Dup (Spring and Fall 2017), and SW-103 (Fall 2017) slightly exceeded the EPA Site-specific surface water Screening Level for Child Recreator (exposure factor equal to 120 days) of 760 ng/L. SW-5 and SW-103 are located along the northwestern edge of the landfill to the east of the former railroad. Concentrations decline significantly with distance from the landfill and are below the screening level at all other surface water sampling locations. PFOS concentrations in surface water beyond the GMZ boundary are well below screening levels.



### 5.7 L-1 Seep Quality Regulatory Threshold Exceedances

The L-1 seep sample is collected from a seepage area along an embankment near the northwest corner of the landfill and in close proximity to the northwestern stormwater pond outfall discharge pipe. Seepage from the embankment and discharge from the outfall pipe enter a wetland area immediately adjacent to the sample location.

Results for the sample indicate that water quality meets NHDES Surface Water Standards for acute and chronic exposure scenarios, with the exception of iron, which exceeded the chronic standard of 1 mg/L during the spring and fall sampling events. Iron has historically exceeded the chronic standard in the L-1 sample. Ammonia-N has historically exceeded the chronic and/or acute standards at L-1. However, concentrations fell below both standards for the spring and fall sampling events.

The 2017 spring and fall sampling are the first two events for PFAS sampling at location L-1. Results from the spring sampling event detected PFOS at concentrations above the EPA Site-specific surface water Screening Level for Child Recreator (exposure factor equal to 120 days) of 760 ng/L (1,930D ng/L, original sample; 1,560J ng/L, duplicate sample). The combined PFOS and PFOA concentration at L-1 was greater than 2,000 ng/l for the spring samples while the fall results detected a combined PFOS and PFOA concentration of less than 500 ng/l. EPA Screening Levels were not exceeded for any parameter during the fall event at location L-1.

The concentrations of most constituents in the 2017 spring sample are notably different than historical L-1 samples. It is possible that the 2017 spring sample may have contained a large component of stormwater. The vast majority of L-1 samples have been collected in the summer and fall. As a result, there is little data to judge the effect of seasonal (wet vs dry periods) variation on water quality at L-1 but this will be investigated further in 2018.

### 5.8 Sediment Regulatory Threshold Exceedances

Analytical results for sediment samples and the National Oceanic and Atmospheric Administration Screening Quick Reference Tables (NOAA SQuiRT Tables) Threshold Effect Concentrations (TEC) for freshwater sediment applicable to this Site are summarized in **Table 5**. Results for samples collected 2017, indicate the following TEC exceedances:

- Total arsenic at SED-5 and SED-5 Dup (Spring and Fall 2017), SED-LR and SED-BB2 (Fall 2017 only) exceeded the TEC of 9.79 mg/kg.
- Total cadmium at SED-4 (Fall 2017 only) exceeded the TEC of 0.99 mg/kg.
- Total chromium at SED-5 and SED-5 Dup (Fall 2017 only) exceeded the TEC of 43.4 mg/kg.
- Total Copper at SED-5 and SED-5 Dup (Spring and Fall 2017) exceeded the TEC of 31.6 mg/kg.
- Total lead at SED-4, SED-5, SED-5 Dup, and SED-110 (Spring and Fall 2017) and SED-111 (Fall only) exceeded the TEC of 35.8 mg/kg.
- Total mercury at SED-4 (Spring and Fall 2017) and SED-5, SED-5 Dup, SED-110 (Spring 2017 only) exceeded the TEC of 0.18 mg/kg.
- Total nickel at SED-5, SED-5 Dup, SED-LR, and SED-BB1 (Fall 2017 only) exceeded the TEC of 22.7 mg/kg.
- Total zinc at SED-4 (Fall 2017 only) exceeded the TEC of 121 mg/kg.


Sediment samples SED-110, SED-111, SED-LR, SED-BB1, and SED-BB2 were collected for the first time in 2017 and cannot be compared to historical data. However, there were very few TEC exceedances at these locations. For those parameters exceeding their respective TEC for samples collected for the first time in 2017, concentrations were typically near the applicable TEC. A review of historical data indicated that concentrations of lead and mercury at SED-4 and arsenic, copper, nickel, lead, and mercury at SED-5 have previously been reported above the TEC. Concentrations of PFAS were not detected in any samples collected in 2017 at concentrations above applicable EPA sediment Screening Levels.

As previously discussed in **Appendix E**, all detections for 1,4-dioxane and PFAS for SED-04 (Spring and Fall 2017), SED-5 (Spring 2017) and SED-5 Dup (Spring 2017) were qualified as estimated and all non-detects were qualified as having estimated detection limits due to low percent solids in accordance with EPA analytical data validation criteria (i.e., lower than 30% solids by dry weight). Historical data indicates that percent solids less than 30% have been commonly reported in the past at SED-4 and SED-5 due to the nature of the matrix (i.e., decomposed organic material). Sediment results are based on dry weight.

Sediment at SED-4 and SED-5 is primarily organic material which has a high capacity to retain water. A review of soil taxonomy literature indicates that the saturated water (non-free draining) content in organic soils (fibric or hemic soils) on the basis of percent of ovendry weight ranges from 450% to 3,000%. On this basis, changes to sampling procedures (i.e., trying to decant more) are not warranted as the low percent solids (by dry weight) are inherent to the matrix itself.

#### SECTION 6 | CONCLUSIONS AND RECOMMENDATIONS

#### 6.1 Conclusions

Based on a review of analytical results for the 2017 sampling events and historical data, CES concludes the following:

#### Groundwater

- Results of Data Check's Tier I Plus Data Validation and CES' review of the analytical data indicated the laboratory analytical data package is considered 99% complete, of good quality, and meets data quality objectives. Only minor data qualification was warranted, with the exception of the hexavalent chromium results in five monitoring wells.
- Groundwater quality results for 2017 met EPA-established CLs and/or NHDESestablished AGQSs for benzene, chlorobenzene, tetrachloroethene, 1,2dichloropropane, methyl ethyl ketone (2-butanone), tetrahydrofuran, trans-1,2dichloroethene, antimony, beryllium, chromium, lead, nickel, and vanadium. Consistent with historical results, 1,2-dichloropropane, methyl ethyl ketone, and trans-1,2-dichloroethene were reported as Not Detected above laboratory reporting limits in all groundwater and surface water samples collected.



- Consistent with historical results, CL and/or AGQS exceedances were reported for 1,4-dioxane, tert-butyl alcohol, arsenic, and manganese in one or more wells. In general, the parameters and locations that exceeded the regulatory thresholds are similar to historical monitoring events. Benzene exceedances have historically occurred at several monitoring wells. However, consistent with an overall decreasing trend in benzene concentrations in site groundwater, no benzene exceedances were reported in 2017. Tert-butyl alcohol exceedances were limited to two wells in 2017.
- Groundwater samples from 37 monitoring wells in OU-1 and OU-2 were submitted for analysis of 1,4-dioxane using a low-level detection limit methodology (8260B SIM).
  1,4-dioxane concentrations exceeding the EPA CL/NHDES AGQS were reported in 8 of the 11 monitoring wells sampled in OU-1, and 9 of the 26 monitoring wells sampled in OU-2. Results are generally stable or decreasing as compared with historical data.
- No CL or AGQS exceedances were reported for arsenic, 1,4-dioxane or VOCs at the 23 off-site water supply wells sampled in 2017. The manganese concentration at 339BHR, 346BHR, and 4ROD slightly exceeded the CL (0.3 mg/L) but were well below the AGQS (0.84 mg/L) while the concentration of manganese at 5BFL exceeded the CL and AGQS.
- In 2017, 1,4-dioxane was not detected above the laboratory reporting limit of 0.25 ug/L at 21 of the 24 water supply wells sampled. 1,4-dioxane was reported at very low concentrations (0.29 to 0.54 ug/L) close to the detection limit of 0.25 ug/L at three water supply wells (R-3, 339BHR, and 178ALR). Visual review of time series concentration plots and statistical trend analyses indicate that 1,4-dioxane concentrations are stable at R-3 and 339BHR. 2017 was the first sampling at 178ALR. Therefore, a trend could not be established.
- A review of data for two monitoring well couplets (FPC-5 and FPC-6) located hydraulically upgradient of R-3 and 339BHR reported no trend (i.e., concentrations remained stable) for 1,4-dioxane, arsenic, and manganese.
- The combined concentration of PFOA/PFOA did not exceed 15 ng/l in any of the 23 off-site water supply wells sampled in 2017, with 22 or 23 samples ranging from ND to less than 10 ng/l. New detections of PFAS in off-site water supply wells during the Fall 2107 sampling event were a result of using a lower reporting limit and are concluded to not be a change in conditions or increased migration.
- Arsenic concentrations exceeding the EPA CL and NHDES AGQS of 0.01 mg/L were reported in 9 of the 11 monitoring wells sampled in OU-1, and 9 of the 26 monitoring wells sampled in OU-2, which is consistent with the number of wells reported exceeding the EPA CL and NHDES AGQS in 2016.
- Manganese concentrations exceeding the EPA CL (0.3 mg/L) were reported in 11 of the 11 monitoring wells sampled in OU-1, and 12 of the 26 monitoring wells sampled in OU-2. Manganese concentrations exceeding the AGQS (0.84 mg/L) were reported in 10 of the 11 monitoring wells in OU-1, and 4 of the 26 monitoring wells in OU-2.
- The number of HA exceedances for PFOA in 2017 are consistent with 2016 results, with the exception MW-5D, which had not been reported above the HA in 2016. Concentrations of PFOA in MW-5D during the fall event are only slightly higher than those reported in 2016.
- The number of HA exceedances for PFOS in 2017 are consistent with 2016, with the exception of AE-3B, which was reported slightly above the HA during the Spring 2017 event. PFOS results for AE-3B during the fall event did not exceed the HA and were consistent with the 2016 results.
- The number of HA exceedances for the combination of PFOA/PFOS in 2017 is consistent with 2016, with the exception of BP-4, which was reported above the HA during the Spring 2017 event only. The concentration of PFOA/PFOS combined in BP-4 did not exceed the HA during the fall event.



- Two wells sampled for the first time for PFAS in 2017 reported exceedances of the HA for PFOA, PFOS, and/or PFOA/PFOS combined. MW-10 exceeded PFOA, PFOS, and PFOA/PFOS combined during the Spring and Fall 2017 sampling events. OP-2 exceeded the HA for PFOA and PFOA/PFOS combined during the Spring 2017 only.
- Hexavalent chromium was not detected in any of the groundwater monitoring wells that were sampled during the Spring and Fall 2017 sampling events.

Based on a review of the results of sampling activities in 2017, the existing monitoring well network and groundwater management zone continue to be adequate for monitoring the natural attenuation remedy.

#### L-1 Seep

The L-1 seep sample met the applicable regulatory surface water quality standards, with the exception of iron, which is consistent with historical data. The L-1 seep sample met the site-specific EPA surface water Screening Levels, with the exception of PFOS, which exceeded EPA's site-specific surface water screening level during the spring event only. The L-1 seep sample is located approximately 100 feet off the northwestern corner of the landfill and in an area of limited access (several hundred feet from the access road, down an embankment and at the head of a wetland complex).

#### Surface Water

 Surface water samples met applicable water quality regulatory criteria and site-specific screening levels, with the exception of copper at SW-111 and SW-BB2 (Fall 2017); iron at SW-111 and SW-BB1 (Fall 2017); zinc at SW-BB2 (Fall 2017); and PFOS at SW-5/SW-5 Dup (Spring and Fall 2017) and SW-103 (Fall 2017).

Surface water sample locations in close proximity of L-1 (SW-5, approximately 200 feet northnorthwest of L-1 and SW-103, approximately 400 feet northwest of L-1) exhibited elevated concentrations of PFOS during the Spring 2017 event. However, concentrations for the Spring 2017 event decreased with distance from the landfill. SW-BB-2 is located approximately 1,200 feet downstream from SW-103 and reported significantly lower concentrations of PFOS (176 ng/L at SW-BB-1 as compared to 758 ng/L at SW-103) during the Spring 2017 event. Elevated concentrations of PFOS were also detected at SW-5 and SW-103 during the fall event. However, similar to spring 2017 data, PFAS concentrations decrease significantly with distance from the Site and none of the other surface water locations detected PFAS above EPA's site-specific screening level.

#### Sediment

Consistent with historical results, sediment standards were exceeded at SED-4 and SED-5 for several metals. SED-110 (lead and mercury), SED-111 (lead), SED-LR (arsenic and nickel), and SED-BB2 (arsenic) were sampled for the first time in 2017 and reported exceedances of similar metals. The Coakley Landfill cap and surrounding areas within the perimeter fence are well vegetated and have been stable for many years. No evidence of significant soil erosion has been observed in on-site inspections by CLG. On this basis, CES concludes that the landfill area (OU-1) is not actively contributing significant amounts of sediment to the wetland areas around the landfill.



#### 6.2 **Recommendations**

Based on observations and monitoring results from the 2017 sampling events, CES recommends the following:

- The sediment sampling requirement should be reduced to every five years (to coincide with the five-year review) because the landfill cap and surrounding areas within the perimeter fence have been stable for many years with no evidence of significant soil erosion or sediment transport. Annual inspections have not observed or noted erosion issues in the past five years. Sediment toxicity evaluation completed as part of EPA's Five-Year Site Review shows that the sediment at the Site is considered non-toxic to ecological receptors. Results for 2017 did not report any new exceedances of the TEC and are consistent with historical results.
- Well FPC-5A will be properly abandoned due to well integrity issues and a replacement well installed in close proximity to FPC-5B.
- Install two new well couplets in the GMZ to be used as sentinel wells for future assessment of groundwater quality in the GMZ. Installation is planned for 2018 pending final discussions with EPA and NHDES.
- Discontinue sampling groundwater monitoring wells for hexavalent chromium as it was not detected in any wells during either sampling event during 2017.
- Reduce the requirement for a round of groundwater levels prior to the sampling event to annually, as groundwater patterns are well established for the Site.
- Investigate the source of water quality impacts and seepage at the L-1 location including the hydraulic interaction between, the landfill, groundwater, and surface water. The investigation will include reviewing cover system as-built drawings, monitoring well data and historic records to develop a cross section depicting relationships. Verification of elevations for key components (retention pond bottom, pond outfall piping, seepage area and wetland) will be performed. Based on this information a focused sampling program may be developed to further assess sources of water quality impacts.
- OU-1 monitoring wells have typically detected elevated concentrations of COCs as would be expected due to their locations immediately adjacent to the landfill boundary. Frequent monitoring of these wells provides little additional information about the source area. As such, we recommend that OU-1 monitoring wells be sampled once every two years. However, we recommend that water level gauging be continued.



#### **SECTION 7 | REFERENCES**

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SITE LOCATION MAP



FIGURE 1-1

2014-09-08 10424.002



SITE PLAN





GROUNDWATER CONTOURS SEPTEMBER 2017– BEDROCK WELLS





GROUNDWATER CONTOURS SEPTEMBER 2017– OVERBURDEN WELLS





# LATERAL DISTRIBUTION OF ARSENIC IN OVERBURDEN WELLS





### LATERAL DISTRIBUTION OF MANGANESE IN OVERBURDEN WELLS





LATERAL DISTRIBUTION OF 1,4-DIOXANE IN OVERBURDEN WELLS





LATERAL DISTRIBUTION OF PFOA IN OVERBURDEN WELLS





### LATERAL DISTRIBUTION OF PFOS IN OVERBURDEN WELLS





LATERAL DISTRIBUTION OF PFOA & PFOS IN OVERBURDEN WELLS





LATERAL DISTRIBUTION OF ARSENIC IN BEDROCK WELLS





### LATERAL DISTRIBUTION OF MANGANESE IN BEDROCK WELLS





# LATERAL DISTRIBUTION OF 1,4-DIOXANE IN BEDROCK WELLS





LATERAL DISTRIBUTION OF PFOA IN BEDROCK WELLS





LATERAL DISTRIBUTION OF PFOS IN BEDROCK WELLS




#### LATERAL DISTRIBUTION OF PFOA & PFOS IN BEDROCK WELLS





#### VERTICAL DISTRIBUTION OF ARSENIC IN GROUNDWATER CROSS SECTION A-A'





#### LANDFILL REFUSE

widly with location



Outwash: Dense brown, fine to coarse sand and gravel, trace silt, portions of sand and gravel vary



MARINE DEPOSITS: Medium dense, gray clay and silt to soft gray silt and clay, locally stratified with fine sand.



+ +

+

GLACIAL TILL: Very dense, brown, fine to coarse sand, some fine to coarse gravel, little silt.

CENTRAL SILICIC COMPLEX: Generally consists of moderately hard to hard muscovite-biotite granite, quartz-feldspar granite, mylonite gneiss, and vein quartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss.

METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss.

CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.)

GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, REMEDIAL INVESTIGATION - OCT. 1988

BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT. FIGURE 5, FEBRUARY 2000

BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED 

GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE

SCREENED / OPEN INTERVAL

CONCENTRATION IN MG/L

#### LEGEND

10

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

ISOCONCENTRATION CONTOUR (MG/L) (CLEANUP STANDARD) See See See 0.1 SOCONCENTRATION CONTOUR (MG/L) SAMPLE COLLECTED BUT NOT ANALYZED N/A FOR PARAMETER PLOTTED N/S NOT SAMPLED 800' 400



VERTICAL SCALE: 1"=40'



PRDJECT TITLE	COAKLEY LANDFILL SUPERFUND SITE	DWG:		BY:	BLQ	REV:	IDESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		IGURE II	DATE:	2017-12-04	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY:	SLY	ISSUE:	IDESCRIPTION:
	ARSENIC IN GROUNDWATER A-A'	SCALE:	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	
:\10424-Coaklev Landfill Grou	uo)014-September 2017 Samplino)02-Cad Drawinos)Civilidson dwos)doan dwos)10424.011-XSECTION 2017.dwo						



## VERTICAL DISTRIBUTION OF ARSENIC IN GROUNDWATER CROSS SECTION B-B'



LANDFILL REFUSE







PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	D∀G:		BY:	BLQ	REV	DESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		IGUNE 10	DATE:	2017-12-04	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY:	SLY	ISSUE:	DESCRIPTION:
	ARSENIC IN GROUNDWATER B-B'	SCALE:	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	
:\10424-Coaklev Landfill Grou	uo\014-Seotember 2017 Samplino\02-Cad Drawinos\Civilldson dwas\dsan dwas\10424.011-XSECTION 2017.dwa						-



VERTICAL DISTRIBUTION OF MANGANESE IN GROUNDWATER CROSS SECTION A-A'





#### LANDFILL REFUSE



Outwash: Dense brown, fine to coarse sand and

gravel, trace silt, portions of sand and gravel vary widly with location



MARINE DEPOSITS: Medium dense, gray clay and silt to soft gray silt and clay, locally stratified with fine sand.



+ +

+

GLACIAL TILL: Very dense, brown, fine to coarse sand, some fine to coarse gravel, little silt.



mylonite gneiss, and vein quartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss.

METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss.

CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.)

GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, REMEDIAL INVESTIGATION - OCT. 1988

BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT. FIGURE 5, FEBRUARY 2000

BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED 

GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE

SCREENED / OPEN INTERVAL

CONCENTRATION IN MG/L

#### LEGEND

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

10





VERTICAL SCALE: 1"=40'



PROJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DWG:		BY:	BLQ	REV	DESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		FIGURE 19	DATE:	2017-12-04	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY:	SLY	ISSUE:	DESCRIPTION:
	MANGANESE IN GROUNDWATER A-A'	SCAL	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	



#### VERTICAL DISTRIBUTION OF MANGANESE IN GROUNDWATER CROSS SECTION B-B'



LANDFILL REFUSE







PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DVG:		BY:	BLQ	REV	DESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE	Г	IGURE 20	DATE:	2017-12-04	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 VERTICAL DISTRIBUTION OF	JN:	10424.011	APPROVED BY	MAD	ISSUE:	DESCRIPTION
	MANGANESE IN GROUNDWATER B-B'	SCALE	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	

VERTICAL SCALE: 1"=40'



### VERTICAL DISTRIBUTION OF 1,4-DIOXANE IN GROUNDWATER CROSS SECTION A-A'







## VERTICAL DISTRIBUTION OF 1,4-DIOXANE IN GROUNDWATER CROSS SECTION B-B'







SI Y

AS SHOWN





VERTICAL DISTRIBUTION OF PFOA IN GROUNDWATER CROSS SECTION A-A'





#### LANDFILL REFUSE





gravel, trace silt, portions of sand and gravel vary widly with location MARINE DEPOSITS: Medium dense, gray clay and silt to soft gray silt and clay, locally stratified

Outwash: Dense brown, fine to coarse sand and



with fine sand. GLACIAL TILL: Very dense, brown, fine to coarse

sand, some fine to coarse gravel, little silt.



+

CENTRAL SILICIC COMPLEX: Generally consists of moderately hard to hard muscovite-biotite granite, quartz-feldspar granite, mylonite gneiss, and vein guartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss.

METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss.

CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.)

GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, **REMEDIAL INVESTIGATION - OCT. 1988** 

BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT, FIGURE 5, FEBRUARY 2000

BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED 

GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE

SCREENED / OPEN INTERVAL

CONCENTRATION IN NG/L

#### LEGEND

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

10





PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DWG:		BY:	BLQ	RE V:	DESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		IGURE 23	DATE:	2017-11-07	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY:	SLY	ISSUE:	DESCRIPTION:
	PFOA IN GROUNDWATER A-A'	SCALE:	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	

0424-Coakley Landfill Group/014-September 2017 Samplina/02-Cad Drawinas/Civil/dsan dwas/dsan dwas/10424.011-PFC XSECTION 2017.dwa



VERTICAL DISTRIBUTION OF PFOA IN GROUNDWATER CROSS SECTION B-B'







#### VERTICAL DISTRIBUTION OF PFOS IN GROUNDWATER CROSS SECTION A-A'





#### LANDFILL REFUSE



gravel, trace silt, portions of sand and gravel vary widly with location MARINE DEPOSITS: Medium dense, gray clay

+ +

+

and silt to soft gray silt and clay, locally stratified with fine sand.

GLACIAL TILL: Very dense, brown, fine to coarse sand, some fine to coarse gravel, little silt.

CENTRAL SILICIC COMPLEX: Generally consists of moderately hard to hard muscovite-biotite granite, quartz-feldspar granite, mylonite gneiss, and vein guartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss.

METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss.

CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.)

GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, REMEDIAL INVESTIGATION - OCT. 1988

BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT, FIGURE 5, FEBRUARY 2000

BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED 

GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE

SCREENED / OPEN INTERVAL

CONCENTRATION IN NG/L

### LEGEND

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

10



VERTICAL SCALE: 1"=40'



PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DWG:		BY:	BLQ	REV	DESCRIPTION
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		IGURE 25	DATE:	2017-11-07	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY	SLY	ISSUE:	DESCRIPTION:
	PFOS IN GROUNDWATER A-A'	SCALE:	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	



#### VERTICAL DISTRIBUTION OF PFOS IN GROUNDWATER CROSS SECTION B-B'







SCALE:

AS SHOWN

ISSUE DATE:

CHECKED BY:

SI Y

**PFOS IN GROUNDWATER B-B'** 





#### VERTICAL DISTRIBUTION OF PFOA & PFOS IN GROUNDWATER CROSS SECTION A-A'





#### LANDFILL REFUSE





gravel, trace silt, portions of sand and gravel vary widly with location MARINE DEPOSITS: Medium dense, gray clay

Outwash: Dense brown, fine to coarse sand and



+ +

+

and silt to soft gray silt and clay, locally stratified with fine sand.



CENTRAL SILICIC COMPLEX: Generally consists of moderately hard to hard muscovite-biotite granite, quartz-feldspar granite, mylonite gneiss, and vein guartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss.

METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss.

CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.)

GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, **REMEDIAL INVESTIGATION - OCT. 1988** 

BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT, FIGURE 5, FEBRUARY 2000

BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED 

GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE

SCREENED / OPEN INTERVAL

CONCENTRATION IN NG/L

#### LEGEND

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

10





PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DVG:		BY:	BLQ	REV:	DESCRIPTION
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		FIGURE 21	DATE:	2017-11-07	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN:	10424.011	APPROVED BY	SLY	ISSUE:	DESCRIPTION
	PFOA & PFOS IN GROUNDWATER A-A'	SCALE	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	



#### VERTICAL DISTRIBUTION OF PFOA & PFOS IN GROUNDWATER CROSS SECTION B-B'







Outwash: Dense brown, fine to coarse sand and gravel, trace silt, portions of sand and gravel vary widly with location

MARINE DEPOSITS: Medium dense, gray clay and silt to soft gray silt and clay, locally stratified with fine sand.



GLACIAL TILL: Very dense, brown, fine to coarse sand, some fine to coarse gravel, little silt.



CENTRAL SILICIC COMPLEX: Generally consists of moderately hard to hard muscovite-biotite granite, quartz-feldspar granite, mylonite gneiss, and vein quartz. complex likely correlates with the breakfast hill granite and the breakfast hill member of the rye gneiss. METAMORPHIC ROCKS: Generally consist of soft to hard phyllite, meta-graywacke, quartzite, amphibolie, and schist. These rocks likely correlate with the Rye Gneiss. CROSS SECTIONS BASED ON SECTION INCLUDED IN 2012 ANNUAL REPORT (PREPARED BY PROVAN & LORBER, INC.) GENERAL SOIL AND BEDROCK DESCRIPTIONS FROM PLANS PREPARED BY GZA/WESTON, **REMEDIAL INVESTIGATION - OCT. 1988** BOTTOM OF REFUSE BASED ON A PLAN PREPARED BY ARIES ENGINEERING, INC. NOV. 1999 MONITORING PLAN REPORT. FIGURE 5, FEBRUARY 2000 BORING LOGS AND WELL CONSTRUCTION DETAILS FROM MULTIPLE SOURCES WERE USED GENERALIZED GROUNDWATER POTENTIOMETRIC SURFACE SCREENED / OPEN INTERVAL CONCENTRATION IN NG/L

#### LEGEND

WELL DESIGNATION (OFFSET DISTANCE AND DIRECTION)

10



#### 80 40'

VERTICAL SCALE: 1"=40'



# **GEOLOGICAL CROSS SECTION B-B'**

PRDJECT TITLE:	COAKLEY LANDFILL SUPERFUND SITE	DWG:		BY:	BLQ	REVI	DESCRIPTION:
	NORTH HAMPTON & GREENLAND, NEW HAMPSHIRE		FIGURE 20	DATE:	2017-12-04	REV DATE:	
SHEET TITLE:	SEPTEMBER 2017 DISTRIBUTION OF	JN	10424.011	APPROVED BY	MAD	ISSUE:	DESCRIPTION:
	PFOA & PFOS IN GROUNDWATER B-B'	SCALE:	AS SHOWN	CHECKED BY:	SLY	ISSUE DATE:	

Q







**GROUNDWATER ELEVATION DATA** 

																1			-																
MONITORING	Ref. Pt Elev.	Screened	Apr-93	Dec-96	Apr-97	Sep-97	Dec-97	Jun-98	Aug-98	Apr-99	Aug-99	Nov-99	Apr-00	Aug-00	Nov-00	Apr-01	Aug-01	Jun-02	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Aug-08	Aug-09	Aug-10	Aug-11	Aug-12	Aug-13	Sep-14	Sep-15	May-16	Apr-17	S€
WELL	(FT. NGVD)	Interval	GW. EL.	. GV																															
IDENTIFICATION		FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	FT.	/
Operable Unit 1																																			
BP-4	111.70	33.6-99.0		98.94	97.83	96.07	95.84	99.55	97.03	97.04	95.26	95.93	97.1	96.93	96.03	99.37	96.29	97.27	96.26	96.51	96.89	96.34	97.71	95.72	97.52	99.00	96.55	96.75	96.48	97.39	96.15	96.35	97.35	99.14	9
MW-2	94.54	10-20															86.75	89.00						88.61	88.95	88.40	87.88	88.79	86.85	87.69	85.69	87.14	88.19	89.27	8
MW-4	129.12	28-38	101.52							98.41	95.94	96.78	97.92	97.61	96.65	100.33	96.88	98.01	96.99	97.07	97.35	96.71	98.12	96.17	97.98	98.43	96.93	97.20	96.90	97.75	96.49	96.72	97.71	99.65	9
MW-5S (Note 4)	101.96	48-78	93.69							91.89	87.81	90.96	91.5	91.11	91.24	92.24	89.33	91.46	88.78	88.71	90.89	88.54	91.42	89.54	91.47	90.99	89.70	89.89	89.02	90.06	88.33	88.76	90.20	91.31	8
MW-5D (Note 4)	99.72	139-159								91.22	87.17	90.1	90.74	89.92	90.31	91.72	88.60	90.60	88.12	89.22	89.96	88.02	89.82	88.61	90.42	90.35	88.96	89.11	88.25	89.52	87.70	87.93	89.62	90.91	8
MW-6	101.15	25-184	93.4	93.84	93.44	90.04	92.25	93.44	91.33	92.55	88.03	91.98	92.52	92.20	92.32	93.23	89.79	92.50	89.16	90.09	92.13	89.01	92.46	90.52	92.42	91.93	90.58	90.73	89.66	90.40	88.78	89.71	90.70	91.86	9
MW-8 (Note 4)	85.02	44-65		81.1	79.46	78.48	78.07	78.71	76.66	78.32	75.04	77.63	78.09	77.70	78.22	78.33	76.02	77.93	75.64	76.32	77.58	75.66	77.90	76.61	78.20	77.61	76.35	77.26	75.70	77.42	75.25	75.21	77.11	78.27	7
MW-9	82.62	5-10		77.97	78.03	75.87	76.06	77.16	74.47	75.82	73.42	75.46	76.09	76.00	76.86	76.88	74.10	75.74	73.81	73.28	76.13	73.94	75.71	75.80	76.88	75.35	74.64	77.15	74.15	75.22	73.84	74.15	75.15	77.28	7
MW-10	80.60	5-10		74.56	74.67	73.96	74.07	74.68	73.17	74.51	72.78	74.57	74.63	74.83	75.06	75.22	73.93	74.91	73.45	74.20	74.93	73.99	74.71	74.95	74.86	74.50	74.21	75.46	74.22	74.50	74.05	74.80	74.62	75.10	7
MW-11	92.70	32-52		87.21	85.36	83.56	83.81	83.69	81.77	83.42	79.17	82.42	82.8	82.35	82.40	83.09	80.59	82.67	80.11	81.24	82.26	79.85	82.89	81.07	82.99	82.58	81.08	81.54	80.36	82.10	79.46	79.89	82.15	83.14	8
OP-2 (Note 4)	100.00	7-12	91.44	95.86	95.4				92.85	93.62	91.03	92.39	93.37	93.27	92.75	87.25	92.00	93.49	91.85	92.26	93.05	91.94	93.80	92.28	94.04	93.98	92.50	93.17	92.52	77.42	92.28	92.53	93.84	95.34	9
OP-5	112.68	13-23	94.92	99.26	98.28	96.59	96.41	100.41	100.41	97.39	95.84	96.41	97.58	97.33	96.40	107.29	97.54	97.72	96.82	96.98	97.31	96.78	98.03	96.04	97.81	98.28	96.91	97.22	96.86	97.72	96.48	96.67	97.61	99.45	9
Operable Unit 2		•														•																			
AE-1A	127.00	54-64								97.95	95.55	96.21	97.37	97.23	96.34	99.67	96.54	97.54	96.53	96.67	97.05	97.35	98.10	95.89	97.74	98.19	96.74	97.00	96.63	97.53	96.32	96.55	97.48	99.39	9
AE-1B	126.80	75-85								97.91	95.51	96.13	97.35	97.19	96.31	99.65	96.43	97.51	96.51	96.65	97.09	96.49	98.09	95.87	97.73	97.98	96.55	96.93	96.61	97.51	96.30	96.53	96.45	99.38	9
AE-2A	79.60	10-20									72.49	75.74	75.71	75.67	76.03	75.69	73.58	75.66	72.98	73.75	75.19	73.18	75.70	74.69	75.81	75.29	73.76	75.00	73.52	74.70	72.92	73.32	75.29	75.89	7
AE-2B	79.50	40-50									72.59	75.79	75.79	75.44	76.04	75.78	73.49	75.65	73.16	74.42	75.33	73.60	75.61	74.22	75.94	76.02	74.35	74.26	74.01	75.30	73.49	73.56	75.65	76.46	7
AE-3A	86.10	??-17.5								77.47	76.64	77.74	77.56	77.99	77.92	77.80	77.05	77.70	76.86	76.30	77.90	77.14	78.02	77.90	77.98	78.68	77.30	78.30	77.04	77.50	76.75	77.03	77.54	77.85	7
AE-3B	87.30	28-40								78.55	77.19	78.38	78.35	78.47	78.61	78.64	78.30	78.49	77.47	77.90	78.58	76.86	78.66	78.47	78.50	78.32	77.76	78.84	77.50	77.84	77.22	77.45	81.09	78.68	7
AE-4A	77.20	5-15																			73.47	70.75	73.75	72.91	73.10	73.20	71.49	73.10	70.80	72.29	70.42	71.20	72.99	73.74	7
AE-4B	77.50	34-44																			73.42	70.51	73.30	72.28	73.61	73.01	71.10	72.18	70.58	72.12	70.26	70.55	72.92	73.83	7
FPC-2A	78.40	6-16											75.69	76.70	76.98	NR		76.66	78.40	76.24	76.31	75.66	76.32	75.90	76.30	76.12	75.62	75.98	75.41	75.89	75.02	75.36	75.39	75.86	7
FPC-2B	77.98	22.5-37.5											77.47	77.30	77.71	77.78		77.38	76.37	76.81	77.28	76.45	77.30	76.90	77.46	77.26	76.45	74.94	76.51	75.22	76.24	75.18	77.00	77.45	7
FPC-3A	73.17	62-72	70.91							70.91																								71.02	7
FPC-3B	72.22	80.5-95.5	71.27							70.97																								70.42	7
FPC-3C	72.36	19.5-28.5	71.16							70.86																								71.03	7
FPC-4B	75.83	18-33	71.83																	69.96	71.58	68.21	71.63	70.95	71.81	71.24	69.80	71.01	69.51	70.43	68.98	69.76	71.15	71.95	7
FPC-5A	74.30	54-64	75.01	74.44	74.44	73.94		74.44	73.29	74.14	72.2	73.93	73.9	73.98	74.18	74.14	73.02	73.10	73.03	73.10	74.30	72.18	73.50	73.50	73.73	73.37	72.73	72.91	72.05	72.11			NM	NM	
FPC-5B	74.90	95-110	74.85	74.81	74.81	73.91	74.21	74.81	73.3	74.6	72.38	74.48	74.25	74.60	74.77	74.70	73.43	70.96	73.15	74.23	74.40	73.19	74.66	74.50	74.85	74.46	73.74	74.33	72.95	73.64	72.90	73.39	74.05	74.35	7
FPC-6A (Note 5)	79.20	3.5-4.5	73.23							72.74		72.84	72.85	72.85	73.11	73.01		72.65			75.03	72.91	75.03	74.58	75.22	74.42	70.88	71.87	70.77	71.22	70.12	70.52	72.18	72.71	7
FPC-6B	77.10	13-28	73.20							72.81	69.86	72.94		72.09	73.21	73.14	70.88	72.33	70.30	71.94	70.32	68.37	70.47	70.19	72.93	72.35	71.26	72.35	71.06	71.60	70.49	71.24	72.65	73.18	7
FPC-7A	82.08	16.7-21.7	81.63							81.36										80.12	80.99	80.03	81.46	81.30	81.49	81.16	80.39	81.10	80.20	80.73	79.78	80.46	81.17	81.44	8
FPC-7B	82.33	29.8-44.8	80.53							80.93										79.82	80.72	79.69	81.02	79.43	81.20	80.87	80.14	80.82	79.95	80.42	79.54	80.20	80.94	81.42	8
FPC-8A	73.80	23-33	73.85	73.67	73.65	71.49	73.15	73.49	71.01	73.04	69.23	72.93	72.93	72.88	73.34	73.20	71.06	72.99	70.36	71.26	72.86	70.63	73.01	72.20	73.09	72.73	71.62	72.46	71.31	72.60	70.75	71.32	72.75	73.17	7
FPC-8B	73.60	40-55	72.83	73.52	73.49	71.44	73.04	73.33	70.84	72.88	69.14	72.77	72.78	72.63	73.18	72.99	70.93	72.79	70.07	71.22	72.69	70.58	72.83	72.03	72.00	72.68	71.10	72.28	71.16	72.40	70.61	71.19	72.59	72.96	7
FPC-9A	117.57	58-68	99.87							97.32	95.02	95.72	96.92	96.75	95.90	99.22	96.25	97.05	96.02	96.27	96.40	95.83	97.59	95.48	97.44	97.90	96.37	96.58	96.18	97.23	95.98	96.18	97.20	99.10	9
FPC-9B	117.87	72-87	99.99							97.81	95.07	95.79	96.98	96.83	95.99	99.28	96.15	97.08	96.11	96.37				95.14	97.41	97.93	96.42	96.96	96.21	97.22	96.03	96.18	97.18	99.13	9
FPC-9C	117.75	15-25	100.45							97.87	95.77	96.33		97.25	96.50	99.62		97.52		96.75				96.08	97.62	98.10	96.75	96.65	96.78	97.69	96.53	96.84	97.58	99.25	9
FPC-11A	117.95	47-52	100.4							97.7										96.65	97.01	96.51	97.71	95.81	97.58	97.95	96.50	96.68	96.38	97.45	96.09	96.36	97.24	99.14	9
FPC-11B	117.90	58-73	96.5							97.74										96.70	96.90	96.34	97.69	95.54	97.57	97.89	96.56	97.10	96.37	97.30	96.07	96.29	97.19	99.13	9
FPC-11C (Note 6)	118.10	18-33																											96.58	97.44	96.23	96.82	97.39	99.38	9
GZ-105	73.60	35-50	66.42							70.86	67.46	70.77	70.78	69.82	71.16	71.02	69.31	70.83	68.45	69.71	71.09	69.28	70.91	70.68	71.05	70.78	69.83	70.71	69.47	70.70	68.98	70.03	70.69	71.08	7
GZ-109	119.36	103-252	99.49	98.8	98.01	95.84	95.68	99.08	96.99	97.39	94.91	94.59	96.81									NM													9
GZ-117	118.10																																		9
GZ-123	87.49	9.5-16.5																						76.91	77.90	78.28	77.05	77.42	77.01	77.24	76.76	77.36	77.61	79.53	7
GZ-125	88.77	57-200																						80.35	81.73	81.87	80.36	80.32	80.07	80.79	79.76	80.03	80.89	82.93	8
NOTES.																																			_

NOTES:

1. Shaded data denotes a bedrock monitoring well.

2. A blank indicates data was not collected.

3. GW.EL. indicates groundwater elevation and FT. indicates measurements were in feet.

4. Summit determined that Reference Point Elevations for MW-5S, MW-5D, MW-8 and OP-2 were incorrect for data collected since 1999. Correct measuring point elevations were identified on an as built survey plan prepared by Richard D. Bartlett and Associates, Inc. dated September 1998. Surveyed "top of cap" elevations for MW-5S, MW-5D and MW-8 were adjusted to top of PVC using field measurements (significant settling is not likely at these wells as they are 2-inch diameter wells install in 6 inch diamter boreholes through 6-inch diameter metal casings. A PVC casing elevation was listed for OP-2. Groundwater elevation data since April 1999 adjustments are as follows: MW-5S (+3.54 ft), MW-5D (+1.33 ft), MW-8 (-0.28 ft) and OP-2 (+1.51 ft).

5. A replacement well (point) for FPC-6A was installed in August 2003, due to insufficient water for sampling for extended periods of time. However, the reference point elevation was not updated at that time. Therefore, groundwater elevations presented in previous monitoring reports for FPC-6A since August 2003 were incorrect. Summit surveyed the FPC-6A reference point elevation in December 2013 relative to the FPC-6B reference point elevation and determined that the measure point elevation for FPC-6A is 79.20 feet (not 77.00 feet, as identifed in previous reports). Groundwater elevations at FPC-6A since August 2004 were corrected by +2.20 feet. In addition, the FPC-6A screened interval was updated based on well depth (9.97 feet), stickup (5.54 feet), and an assumed 1 foot screen interval.

6. FPC-11C: Well casing was modified during road box repairs at FPC-11A/B/C on 1/10/2014 (Summit Environmental Consultants). Top of PVC casing was resurveyed relative to FPC-11A/B measuring points on 2/27/2014. Original measuring point elevation was 118.04 feet. New measuring point elevation is 118.10.

# TABLE 1

Summary of Groundwater Elevation Data 2017 Annual Summary Report Coakley Landfull Superfund Site North Hampton, New Hampshire





#### SUMMARY OF OU-1 AND OU-2 GROUNWATER ANALYTICAL RESULTS

# Summary of 2017 Groundwater Analytical Data

Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

										OPER	ABLE UN	NIT 1 (OI	U-1)															
Sampling Point ID			MW-4	MW-4-DUP	MW-4	MW-4-DUP	MW-5D	MW-5D	MW-5S	MW-5S	MW-6	MW-6	MW-8	MW-8	MW-9	MW-9	MW-10	MW-10	MW-11	MW-11	OP-2	OP-2	OP-5	OP-5	BP-4	BP-4	# of Ex	xceedances
Monitored Zone / Unit	EPA	NHDES	Till	Till	Till	Till	DBR	DBR	SBR	SBR	OBH-BR	OBH-BR	SBR	SBR	Outwash	Outwash	Outwash	Outwash	SBR	SBR	Outwash	Outwash	Outwash	Outwash	OBH-BR	OBH-BR	EPA	NHDES
Date of Sample Collection	CL	AGQS	5/1/17	5/1/17	9/18/17	9/18/17	4/27/17	9/18/17	4/27/17	9/15/17	4/27/17	9/15/17	4/25/17	9/12/17	4/25/17	9/19/17	4/28/17	9/18/17	5/1/17	9/19/17	5/1/17	9/12/17	4/27/17	9/13/17	4/26/17	9/13/17	CL	AGQS
VOLATILE ORGANIC COMPOUNDS BY 8260B - (ug/L)	-		-7 7	, ,	-7 -7	-, -,	, ,	-, -,		-, -,	, ,	-, -,	, -,	-/ /	, -,	- / - /	, -,	-, -,	-, ,	-/ -/	-7 7	-, ,	, ,	-1 -1	, ,	-/ -/		
1 2 4-Trimethylbenzene		330	N/A	N/A	N/A	N/A	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	N/A	N/A	N/A	N/A	1.0	1.0	N/A	N/A	N/A	N/A	N/A	N/A		0
1 2-Dichloropropane	5	5	N/A	N/A	N/A	N/A	2.0	10	20	10	20	10	2.0	10	N/A	N/A	N/A	N/A	20	10	N/A	N/A	N/A	N/A	N/A	N/A	0	0
1 4-Dichlorobenzene		75	N/A	N/A	N/A	N/A	10	1	1	1	10	10	10	1	N/A	N/A	N/A	N/A	10	10	N/A	N/A	N/A	N/A	N/A	N/A		0
2-Butanone(MEK)	200	4000	N/A	N/A	N/A	N/A	10 U	10U	10 U	10 U	10 U	10 U	10 U	10 U	N/A	N/A	N/A	N/A	10 U	10 U	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Benzene	5	5	N/A	N/A	N/A	N/A	200	200	200	200	10	100	200	3	N/A	N/A	N/A	N/A	200	200	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Chlorobenzene	100	100	N/A	N/A	N/A	N/A	2	2	1	1	211	10	3	4	N/A	N/A	N/A	N/A	1	10	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Chloroethane			N/A	N/A	N/A	N/A	40	42	5 U	5 U	5 U	5 U	14 J+	15	N/A	N/A	N/A	N/A	14	10	N/A	N/A	N/A	N/A	N/A	N/A		
Diethyl Ether		1400	N/A	N/A	N/A	N/A	110	120	24	24	5 U	5.0	65	73.1-	N/A	N/A	N/A	N/A	15	13	N/A	N/A	N/A	N/A	N/A	N/A		0
IsoPropylbenzene		800	N/A	N/A	N/A	N/A	1 U	10	1	1U	10	10	1 U	1 U	N/A	N/A	N/A	N/A	1 U	1 U	N/A	N/A	N/A	N/A	N/A	N/A		0
Methyl-t-butyl ether(MTBE)		13	N/A	N/A	N/A	N/A	5 U	10	5 U	10	5 U	10	5 U	10	N/A	N/A	N/A	N/A	5 U	10	N/A	N/A	N/A	N/A	N/A	N/A		0
m&p-Xvlene		10000^	N/A	N/A	N/A	N/A	1 U	1 U	1 U	10	1 U	10	1 U	10	N/A	N/A	N/A	N/A	2	1	N/A	N/A	N/A	N/A	N/A	N/A		0
o-Xvlene		10000^	N/A	N/A	N/A	N/A	1 U	10	10	10	10	1 U	1 U	1 U	N/A	N/A	N/A	N/A	1 U	1 U	N/A	N/A	N/A	N/A	N/A	N/A		0
tert-Butyl Alcohol (TBA)		40	N/A	N/A	N/A	N/A	40	50	30 U	30 U	30 U	30 U	50	40	N/A	N/A	N/A	N/A	30 UJ	30U	N/A	N/A	N/A	N/A	N/A	N/A		2
Tetrachloroethene	3.5	5	N/A	N/A	N/A	N/A	2 U	10	2 U	10	2 U	10	20	10	N/A	N/A	N/A	N/A	2 U	10	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Tetrahydrofuran(THF)	154	600	N/A	N/A	N/A	N/A	80	80	10	20	10 U	10 U	110	120	N/A	N/A	N/A	N/A	10	10	N/A	N/A	N/A	N/A	N/A	N/A	0	0
trans-1.2-Dichloroethene	100	100	N/A	N/A	N/A	N/A	2 U	10	2 U	10	2 U	10	2 U	10	N/A	N/A	N/A	N/A	2 U	10	N/A	N/A	N/A	N/A	N/A	N/A	0	0
1.4-DIOXANE BY 8260B SIM - (ug/L)			,												,		,				,				,			
1 4-Dioxane	3	3	4.6	4.6	7 21	2.41	110	140	30	37	0.2511	0.2511	150	1501+	0.2511	5.8	0.2511	3.8	27	33	0.66	0.69	0.2511	0.2511	75	79	11	11
DISSOLVED METALS BY 200.8 - (mg/L)	5	3	410	4.0	,,	2.45	110	140	50	5,	0.250	0.250	150	1303.	0.250	5.0	0.250	5.0	L -/	55	0.00	0.05	0.250	0.250	7.5	7.5		
Dissolved Antimony	0.006	0.006	0.001.11	0.001.11	0.001.11	0.001.11	NI/A	NI/A	NI/A	NI/A	NI/A	NI/A	NI/A	NI/A	0.001.11	0.001.11	0.001.11	0.001.11	NI/A	NI/A	0.001.11	0.001.11	0.001.11	0.001.11	N/A	NI/A	0	
Dissolved Antimoliy	0.000	0.000	0.0010	0.001 0	0.0010	0.0010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0010	0.0010	0.0010	0.0010	N/A	N/A	0.001 0	0.001 0	0.001 0	0.001 0	N/A	N/A	0	0
Dissolved Arsenic	0.01	0.01	0.040	0.042	0.051	0.049	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0010	0.067	0.0010	0.0521	N/A	N/A	0.15	0.20	0.025	0.022	N/A	N/A	0	0
Dissolved Bandin	0.004	2	0.070	0.007	0.039J+	0.00114	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.012	0.0081	0.0111	0.0331+	N/A	N/A	0.011	0.010J+	0.010	0.013J+	N/A	N/A N/A	0	0
Dissolved Calcium	0.004	0.004	60.001 0	60	65	6.0010	N/A	N/A	NI/A	N/A	N/A	N/A	N/A	N/A	10	72	12	0.0010 E0	N/A	N/A	25	0.001.0	12	0.001 0	N/A	N/A	0	
Dissolved Calcium	0.05	0.1	0.001.11	0.001.11	0.001.11	0.001.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00111	0.00111	0.001.11	0.00111	N/A	N/A	0.001.11	0.001.11	0.001.11	9.2	N/A	N/A		
Dissolved Iron	0.05	0.1	26	0.001 0	25	0.001.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0010	2/	0.001 0	20	N/A	N/A	51	0.001.0	11	7.6	N/A	N/A N/A	0	
Dissolved Lead	0.015	0.015	0.001.11	0.001.11	0.001.11	0.001.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000	0.001.11	0.4	0.001.11	N/A	N/A	0.001.11	40	0.001.11	0.001.11	N/A	N/A N/A	0	
Dissolved Leau	0.015	0.013	22	10	20	0.001 0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.5	18	2.5	1/	N/A	N/A	7.2	0.001.0	2 1	2.5	N/A	N/A N/A	0	
Dissolved Magnesium	0.3	0.84	1 2	11	1.2	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.083	24	0.14	14	N/A	N/A	2	15	2.6	2.5	N/A	N/A N/A	 Q	Q
Dissolved Mangariese	0.5	0.64	0.000	1.1	0.009	1.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.003	0.011	0.14	<b>4.2</b>	N/A	N/A	0.009	0.01	0.024	2.1	N/A	N/A	0	0
Dissolved Nickel	0.1	0.1	25	0.008	28	0.008	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	7.5	2 1	0.015	N/A	N/A	0.008	12	2.6	0.029	N/A	N/A N/A	0	
Dissolved Foliassium			27	24	20	29	N/A	N/A	NI/A	N/A	N/A	N/A	N/A	N/A	7	25	20	26	N/A	N/A	1.1	14	2.0	7	N/A	N/A		
Dissolved Vanadium	0.26		0.005.11	0.005.11	0.005.11	0.005.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	, 0.005.11	0.005.11	0.005.11	0.005.11	N/A	N/A	0.005.11	0.005.11	0.005.11	, 0.005.11	N/A	N/A N/A	0	
	0.20		0.005 0	0.005 0	0.005 0	0.005 0	N/A	$\square / \square$	11/74	$\square / \square$	$\square / \square$	11/74	11/14	N/A	0.005 0	0.005 0	0.005 0	0.005 0	N/ A	11/17	0.005 0	0.005 0	0.005 0	0.005 0	N/ A	N/ A	Ū	
TOTAL METALS BT 200.8	0.000	0.000	b1/A	b1 / 6	b1/0	b1/A	0.004.11	0.004.11	0.004.11	0.004.11	0.004.11	0.004.11	0.004.11	0.004.11	21/2	b1/0	21/2	b1/0	0.004.11	0.001.11	b1 / A	b1/4	b1/4	b1/0	0.004.11	0.001.11	0	
Total Antimony	0.006	0.006	N/A	N/A	N/A	N/A	0.001 0	0.0010	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	N/A	N/A	N/A	N/A	0.0010	0.001 0	N/A	N/A	N/A	N/A	0.001 0	0.0010	0	- 0
Total Parium	0.01	0.01	N/A	N/A	N/A	N/A	0.009	0.011	0.02	0.021	0.001 0	0.0010	0.007	0.008	N/A	N/A	N/A	N/A	0.013	0.013	N/A	N/A	N/A	N/A	0.039	0.041	/	/
		2	N/A	N/A	N/A	N/A	0.097	0.11+	0.15	0.12J+	0.002	0.004J+	0.17	0.17J+	N/A	N/A	N/A	N/A	0.007	0.0011+	N/A	N/A	N/A	IN/A	0.042	0.042J+		0
Total Calaium	0.004	0.004	N/A	N/A	N/A	N/A	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	0.001 0	N/A	N/A	N/A	N/A	10	10	N/A	N/A	N/A	N/A	0.001 0	0.001 0	0	0
Total Chromium		0.1	N/A	N/A	N/A	N/A	34	37	33	35	21	25	30	30	N/A	N/A	N/A	N/A	19	19	N/A	N/A	N/A	N/A	40	49		
Total Iron	0.05	0.1	N/A	N/A	N/A	N/A	15	16	12	1.001 0	0.001 0	0.001 0	0.002	0.0010	N/A	N/A	N/A	N/A	12	12	N/A	N/A	N/A	N/A	16	17	0	0
Total Load	0.015	0.015	N/A	N/A	N/A	N/A	0.001.11	0.001.11	0.001.11	0.001.11	0.75	1.4	0.001.11	2.5	N/A	N/A	N/A	N/A	0.001.11	15	N/A	N/A	N/A	N/A	0.001.11	0.001.11		
Total Magnasium	0.015	0.015	N/A	N/A	N/A	N/A	0.001 0	0.001 0	0.001 0	17	0.001 0	0.0010	0.001 0	0.001 0	N/A	N/A	N/A	N/A	14	0.001 0	N/A	N/A	N/A	N/A	10	0.001 0	0	0
Total Manganoso	0.2	0.84	N/A	N/A	N/A	N/A	30	0.07	20	2.1	0.2	9.0	1 2	12	N/A	N/A	N/A	N/A	0.40	14	N/A	N/A	N/A	N/A	19	20	12	
Total Nickol	0.5	0.64	N/A	N/A	N/A	N/A	0.012	0.92	2.9	0.009	0.002	2.0	0.021	0.022	N/A	N/A	N/A	N/A	0.49	0.006	N/A	N/A	N/A	N/A	0.009	0.009	12	0
Total Detacsium	0.1	0.1	N/A	N/A	N/A	N/A	0.015	0.008	10	17	0.002	0.004	12	11	N/A	N/A	N/A	N/A	10	0.000	N/A	N/A	N/A	N/A	16	16	0	
Total Sodium			N/A	N/A	N/A	N/A	120	120	72	71	10	2.5	170	180	N/A	N/A	N/A	N/A	70	6.7	N/A	N/A	N/A	N/A	51	55		
Total Vanadium	0.26		N/A	N/A	N/A	N/A	0.005.11	0.005.11	0.005.11	0.005.11	0.005.11	0.005.11	0.005.11	0.005.11	N/A	N/A	N/A	N/A	0.005.11	0.005.11	N/A	N/A	N/A	N/A	0.005.11	0.005.11	0	
Hovavalent Chromium by 71964	0.20		N/A	N/A	N/A	N/A	0.005 0	0.005 0	0.005 0	0.005 0	0.005 0	0.005 0	0.005 0	0.005 0	N/A	N/A	N/A	N/A	0.005 0	0.005 0	N/A	IN/A	IN/ PA	N/A	0.005 0	0.005 0	0	
Hexavalent Chromium by 7156A			0.111	0.111	0.0111	0.111	0.111	0.0111	0.111	0.01111	0.111	0.01111	0.111	0.0111	0.111	0.0111	0.111	0.0111	0.111	0.111	0.111	0.0111	0.111	0.111	0.111	0.0111	0	1
			0.10	0.10	0.010	0.10	0.10	0.010	0.10	0.010J	0.10	0.0101	0.10	0.010	0.10	0.010	0.10	0.010	0.10	0.10	0.10	0.010	0.10	0.10	0.10	0.010	0	
PER- & POLT-FLOORINATED ALKTL SUBSTANCES BT MODI	FIED 337 -	(ng/L)	0.441	7.021	44.21	0.051	20.2	24.0	0.61	0.4.4	2.4011	2 201	20.0	25.0	2.0011	0.21	2 2211	5.461	40.71	0.761	2.4611	2 2011	2.2411	2 2011	2.241	2 2011		
Perfluorobutanesultonic acid (PFBS)			8.41J	7.82J	11.3J+	8.05J+	29.2	31.9	9.6J	9.14J	2.100	2.38J	29.6	25.8	2.060	9.3J	2.220	5.16J+	10.7J	9.76J	2.160	2.280	2.210	2.280	2.34J	2.280		
Perfluoroneptanoic acid (PFHpA)			707	709	431	427	47.8	49.6	448	430	4.95J	3.25J	194	1/1	135	435	54.6	342	401	401	41.1	24.6	2.610	2.690	27.4	22.8		
Perfluorohexanesultonic acid (PFHxS)			35.7	31.3	34.1	40.5	49	42.9	/1.1	62.3	1.120	1.44J	120	87.3J	12.0J	39	7.09J	20.2J	68.8	58.2	6.01J	4.5J	1.180	1.220	10.3J	8.5J		
Perfluorooctanoic acid (PFUA)	/0	/0	1240D	10500	758	887	119	84.1	8490	689	11.4J	5./J	435	326J+	386	744	186	775	7990	809	87.1	39.5	1.86J	2.//J	62.3	48.6	12	12
Perfluorononanoic acid (PFNA)			59.8	54.5	28.1	25.5	2.030	6.66J	50.9	63.8	2.000	2.230	5.85J	5.89J	128	165	44.6	235	/3.4	86.7	6.34J	7.64J	2.110	2.1/0	2.030	2.1/0		
PerfluorOoctanesulfonic (PFUS)	/0	/0	55.8	60.6	2/	25.5	23.9	25.2	89.5	70.3	3./9J	6.89J	224J+	237	429	444	105	426	318	273	12./J	7.96J	1.050	1.090	7.97J	5./3J	9	9
Combination of PFUA and PFOS	/0	70	1295.8	1110.6	785	912.5	142.9	109.3	938.5	759.3	15.19J	12.59J	659J+	563J+	815	1188	291	1201	1117	1082	99.81	47.46J	1.86J	2.77J	70.27J	54.33J	12	12
FIELD PARAMETERS			_	:		-		_	-																	_	_	
Dissolved Oxygen (mg/l)			N/A	N/A	N/A	N/A	0.9	2.4	0.9	2.4	0.8	2.2	0.6	1.1	1.2	2.2	3.0	1.5	0.6	2.0	0.5	1.6	0.8	1.8	0.6	1.4		
Oxidation Reduction Potential (mV)			N/A	N/A	N/A	N/A	-143	-134	-129	-113	156	105	-94	-144	170	-36	45	-61	-122	-123	-76	-56	26	38	-104	-101		
pH (standard units)			N/A	N/A	N/A	N/A	7.2	7.1	7.0	7.0	5.9	5.9	7.5	7.6	6.2	6.4	6.5	6.4	7.1	7.0	6.4	6.3	5.8	6.0	6.8	6.8		
Specific Conductance (us/cm)			N/A	N/A	N/A	N/A	1383	1238	834	847	304	362	1264	1155	149	717	193	673	611	537	572	558	195	141	863	774		
Temperature (degrees Celcius)			N/A	N/A	N/A	N/A	9	14	10	17	10	13	8	16	6	15	10	15	8	14	7	17	8	14	10	13		
Turbidity (NTU)			N/A	N/A	N/A	N/A	<5	<5	<5	<5	11	27	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		

# TABLE 2Summary of 2017 Groundwater Analytical DataCoakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

												0	PERABLE	UNIT 2 (O	U-2)															
Sampling Point ID			AE-1A	AE-1A	AE-1B	AE-1B	AE-2A	AE-2A	AE-2B	AE-2B	AE-3A	AE-3A-DUP	AE-3A	AE-3A-DUP	AE-3B	AE-3B	AE-4A	AE-4A	AE-4B	AE-4B	FPC-3A	FPC-3A	FPC-3B	FPC-3B	FPC-3C	FPC-3C	FPC-4B	FPC-4B	# of Exc	eedances
Monitored Unit	EPA	NHDES	Till	Till	SBR	SBR	Till	Till	SBR	SBR	Till	Till	Till	Till	SBR	SBR	Till	Till	SBR	SBR	Till	Till	SBR	SBR	Outwash	Outwash	SBR	SBR	EPA	NHDES
Date of Sample Collection	CL	AGQS	5/1/17	9/18/17	5/1/17	9/18/17	4/27/17	9/19/17	4/26/17	9/19/17	4/25/17	4/25/17	9/14/17	9/14/17	4/26/17	9/12/17	5/1/17	9/14/17	4/26/17	9/14/17	5/1/17	9/20/17	5/1/17	9/20/17	5/1/17	9/20/17	5/1/17	9/14/17	CL	AGQS
VOLATILE ORGANIC COMPOUNDS BY 826	0B - (ug/L)																													
1,2,4-Trimethylbenzene		330	N/A	N/A	N/A	N/A	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		0
1,2-Dichloropropane	5	5	N/A	N/A	N/A	N/A	2 U	1U	2 U	1U	2 U	2 U	1U	10	2 U	1U	2 U	1U	2 U	1U	2 U	1U	2 U	1U	2 U	1U	2 U	1U	0	0
1,4-Dichlorobenzene		75	N/A	N/A	N/A	N/A	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		0
2-Butanone(MEK)	200	4000	N/A	N/A	N/A	N/A	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0	0
Benzene	5	5	N/A	N/A	N/A	N/A	1 U	1 U	1U	1U	1	1	1	1	1	1	1U	1U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0	0
Chlorobenzene	100	100	N/A	N/A	N/A	N/A	2U	1U	2 U	1U	5	5	6	6	5	5	2U	1U	2 U	1U	2 U	1U	2 U	1U	2 U	1U	2 U	1U	0	0
Chloroethane			N/A	N/A	N/A	N/A	5 U	5 U	5U	5U	6 J+	6	7	7	6	6	5U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U		
Diethyl Ether		1400	N/A	N/A	N/A	N/A	5U	5U	14	18	11	11	13	12	11	12	5U	5U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U		0
IsoPropylbenzene		800	N/A	N/A	N/A	N/A	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		0
Methyl-t-butyl ether(MTBE)		13	N/A	N/A	N/A	N/A	5 U	10	5 U	10	5 U	5 U	10	10	5 U	10	5 U	10	5 U	10	5 U	10	5 U	10	5 U	10	5 U	1U		0
m&p-Xvlene		10000^	N/A	N/A	N/A	N/A	1U	1 U	1U	1 U	1 U	1 U	10	1 U	1 U	10	10	1 U	1 U	1 U	10	1 U	1U	1 U	1U	10	1 U	10		0
o-Xvlene		10000^	N/A	, N/A	, N/A	N/A	1 U	1 U	1 U	1.U	1.U	1.U	10	1.U	1.U	10	10	1.0	1.U	10	1 U	1.0	1 U	1 U	1 U	1.0	1.0	10		0
tert-Butyl Alcohol (TBA)		40	N/A	N/A	N/A	N/A	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 U	30 UJ	30U	30 U	30U	30 UJ	30U	30 UJ	30U	30 UJ	300	30 UJ	300		0
Tetrachloroethene	3.5	5	N/A	N/A	N/A	N/A	2 U	10	2 U	10	2 U	2 U	10	10	2 U	10	2 U	10	2.U	10	2 U	10	2 U	10	2 U	10	2 U	10	0	0
Tetrahydrofuran(THF)	154	600	N/A	N/A	N/A	N/A	10 U	10 U	20	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0	0
trans-1.2-Dichloroethene	100	100	N/A	N/A	N/A	N/A	20	10	2 U	10	2.U	2.U	10	10.0	2.0	10	2.0	10	2.0	10.0	2.0	10.0	200	10.0	200	10	2.0	10	0	0
1 4-DIOXANE BY 8260B SIM - (ug/1)															1											1			-	-
1.4-Dioxane	3	3	0.88	0.97	0.97	11	5.9	2.2	58	67	14	16	18	19	15	16	0.2511	0.2511	0.2511	0.2511	0.2511	0.2511	0.2511	0.2511	0.48	0.52	0.2511	0.2511	٩	9
DISSOLVED METALS BY 200.8 - (mg/L)	, J		0.00	0.57	0.57	1.1	3.5	2.2	50	07	14	10	10	15	15	10	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.40	0.52	0.250	0.250	5	
Dissolved METALS BT 200.8 - (Hig/L)	0.000	0.006	0.001.11	0.001.11	NL/A	NL/A	0.001.11	0.001.11	NI/A	NI/A	0.001.11	0.001.11	0.001.11	0.001.11	NI/A	NI/A	0.001.11	0.001.11	NI/A	NI/A	NL/A	NI/A	NI/A	NI/A	NI/A	NI/A	NI/A	NI/A	0	
Dissolved Antimony	0.006	0.006	0.0010	0.0010	N/A	N/A	0.001 0	0.001 0	N/A	N/A	0.001 0	0.0010	0.001 0	0.001 0	N/A	N/A	0.001 U	0.001 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Dissolved Arsenic	0.01	0.01	0.017	0.016	N/A	N/A	0.13	0.17	N/A	N/A	0.093	0.09	0.00	0.11	N/A	N/A	0.0010	0.0010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	/
Dissolved Barillium	0.004	2	0.017	0.016J+	N/A	N/A	0.027	0.02J+	N/A	N/A	0.06	0.059	0.065J+	0.063J+	N/A	N/A	0.005	0.006J+	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		0
Dissolved Beryllium	0.004	0.004	0.001 0	0.001 0	N/A	N/A	0.001 0	0.001 0	N/A	N/A	0.001 0	0.0010	0.001 0	0.0010	N/A	N/A	0.001 0	0.0010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
			33	32	N/A	N/A	30	22	N/A	N/A	40	40	43	42	N/A	N/A	0.7	0.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dissolved Chromium	0.05	0.1	0.001 0	0.001 0	N/A	N/A	0.001 0	0.001 0	N/A	N/A	0.001 0	0.0010	0.001 0	0.0010	N/A	N/A	0.001 0	0.001 0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Dissolved Iron			0.38	0.38	N/A	N/A	23	14	N/A	N/A	22	22	23	23	N/A	N/A	0.050	0.050	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dissolved Lead	0.015	0.015	0.001 U	0.001 0	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 0	0.001 0	0.001 0	N/A	N/A	0.001 0	0.001 U	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Dissolved Magnesium			12	12	N/A	N/A	9	7.3	N/A	N/A	1/	18	19	19	N/A	N/A	5.8	5.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dissolved Manganese	0.3	0.84	0.48	0.48	N/A	N/A	1.1	0.72	N/A	N/A	1.2	1.2	1.3	1.3	N/A	N/A	0.035	0.044	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	/	5
Dissolved Nickel	0.1	0.1	0.001 0	0.001 0	N/A	N/A	0.008	0.007	N/A	N/A	0.006	0.006	0.007	0.007	N/A	N/A	0.0010	0.001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
Dissolved Potassium			3.9	3.6	N/A	N/A	15	13	N/A	N/A	16	16	1/	1/	N/A	N/A	2.4	2.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dissolved Sodium			21	21	N/A	N/A	33	30	N/A	N/A	58	59	62	61	N/A	N/A	/	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Dissolved Vanadium	0.26		0.005 0	0.005 0	N/A	N/A	0.005 0	0.005 0	N/A	N/A	0.005 0	0.005 0	0.005 0	0.005 0	N/A	N/A	0.005 0	0.005 0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	
TOTAL METALS BY 200.8		1										-			1	1						1	r		r					
Total Antimony	0.006	0.006	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	N/A	N/A	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001 U	0.001 U	0	0
Total Arsenic	0.01	0.01	N/A	N/A	0.008	0.007	N/A	N/A	0.004	0.011	N/A	N/A	N/A	N/A	0.076	0.095	N/A	N/A	0.001 U	0.001 U	0.008	0.007	0.003	0.002	0.013	0.013	0.001 U	0.001 U	5	5
Total Barium		2	N/A	N/A	0.039	0.035J+	N/A	N/A	0.08	0.098J+	N/A	N/A	N/A	N/A	0.15	0.16J+	N/A	N/A	0.009	0.016J+	0.004	0.004J+	0.004	0.007J+	0.006	0.007J+	0.003	0.005J+		0
Total Beryllium	0.004	0.004	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	N/A	N/A	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.001 U	0.001 U	0	0
Total Calcium			N/A	N/A	31	31	N/A	N/A	40	40	N/A	N/A	N/A	N/A	41	46	N/A	N/A	9	9.1	3.7	3.7	2.1	2.1	24	25	3.6	5.1		
Total Chromium	0.05	0.1	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	N/A	N/A	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001 U	0.001 U	0	0
Total Iron			N/A	N/A	2.5	2.3	N/A	N/A	2	6.7	N/A	N/A	N/A	N/A	17	20	N/A	N/A	0.05 U	0.10	0.29	0.3	0.05U	0.5	0.1	0.3	0.05 U	0.1U		
Total Lead	0.015	0.015	N/A	N/A	0.001U	0.001U	N/A	N/A	0.001 U	0.001 U	N/A	N/A	N/A	N/A	0.001 U	0.001 U	N/A	N/A	0.001 U	0.001 U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001 U	0.001 U	0	0
Total Magnesium			N/A	N/A	14	15	N/A	N/A	27	29	N/A	N/A	N/A	N/A	18	21	N/A	N/A	7.1	7.2	0.73	0.7	0.83	1	6.7	7.1	2.4	3.1		
Total Manganese	0.3	0.84	N/A	N/A	0.57	0.55	N/A	N/A	1.1	1.1	N/A	N/A	N/A	N/A	1.8	2	N/A	N/A	0.005 U	0.33	0.01	0.009	0.013	0.019	0.13	0.13	0.005 U	0.005 U	7	4
Total Nickel	0.1	0.1	N/A	N/A	0.001U	0.001U	N/A	N/A	0.008	0.007	N/A	N/A	N/A	N/A	0.006	0.008	N/A	N/A	0.003	0.004	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001 U	0.001 U	0	0
Total Potassium			N/A	N/A	5.8	5.3	N/A	N/A	11	11	N/A	N/A	N/A	N/A	17	18	N/A	N/A	4.2	3.9	4	4	2.1	2.3	2.8	2.7	1.5	1.9		
Total Sodium			N/A	N/A	25	26	N/A	N/A	150	160	N/A	N/A	N/A	N/A	64	69	N/A	N/A	18	18	63	65	65	70	12	13	5	7		
Total Vanadium	0.26		N/A	N/A	0.005 U	0.005 U	N/A	N/A	0.005 U	0.005 U	N/A	N/A	N/A	N/A	0.005 U	0.005 U	N/A	N/A	0.005 U	0.005 U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005 U	0.005 U	0	
Hexavalent Chromium by 7196A									-		-						-		_							_				
Hexavalent Chromium			0.1U	0.01U	0.1U	0.01U	0.1U	0.01U	0.1U	0.01U	0.1UJ	0.1UJ	0.01R	0.01R	0.1U	0.01U	0.1U	0.01UJ	0.1U	0.01UJ	0.1U	0.01U	0.1U	0.01U	0.1U	0.01U	0.1U	0.01UJ		
PER- & POLY-FLUORINATED ALKYL SUBST	ANCES BY I	MODIFIED 5	537 - (ng/L)																											
Perfluorobutanesulfonic acid (PFBS)			2.03U	2.25U	2.18U	2.41U	5.29J	2.94J+	16.2J	14.7J+	4.17J	4.44J	4.63J	5.04J	5.18J	6.17J	2.13U	2.24U	2.05U	2.25U	2.01U	2.27U	2.01U	2.24U	2.07U	2.26U	2.08U	2.27U		
Perfluoroheptanoic acid (PFHpA)			2.39U	2.65U	2.57U	2.84U	363	199	387	350	122	121	98.3	85	142	100	2.52U	2.64U	2.42U	2.66U	2.37U	2.68U	2.37U	2.64U	2.44U	2.67U	2.45U	2.68U		
Perfluorohexanesulfonic acid (PFHxS)			2.02J	3.31J	2.05J	2.3J	31.2	17.3J	103	86.2	16.8J	17.9J	17.8J	18.4	19.6J	15.0J	1.14U	1.20U	1.09U	1.20U	1.07U	1.21U	1.07U	1.19U	1.10U	1.47J	1.11U	1.21U		
Perfluorooctanoic acid (PFOA)	70	70	5.48J	4.2J	7.38J	4.37J	827	499	902	709	387	339	224J	247	384	274	1.12U	1.17U	1.07U	1.18U	1.05U	1.19U	1.05U	1.17U	1.08U	1.18U	1.09U	1.19U	9	9
Perfluorononanoic acid (PFNA)			1.93U	2.14U	2.07U	2.29U	93.5	126	73.2	101	54.1	45.1	47.3J	44.2	50.9	34.7	2.03U	2.14U	1.95U	2.15U	1.92U	2.17U	1.92U	2.14U	1.97U	2.16U	1.98U	2.17U		
Perfluorooctanesulfonic (PFOS)	70	70	1.78J	2.5J	3.01J	2.05J	297	300	456	415	91.9	87.6	76.8j	76.3	90.9	64	1.02U	1.07U	0.98U	1.07U	0.96U	1.08U	0.96U	1.07U	0.99U	1.08U	0.99U	1.08U	8	8
Combination of PFOA and PFOS	70	70	7.261	6.71	10.391	6.421	1124	799	1358	1124	478.9	426.6	300.81	323.3	474.9	338	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9	9
FIFI D PARAMETERS	,,,,	,,,	7.205	0.73	20.333	5.725	1 1127		1000			12010	000.00	32313	-,	330													2	
	I		NI/A	NI/A	N/A	NI/A	11	2.0	2.0	2.2	0.7	N/A	12	NI/A	0.7	2.2	2.0	2.1	5.6	10	0.8	16	14	17	0.6	0.8	10.0	1 9		
Ovidation Reduction Potential (mV/)			NI/A	N/A	N/A	N/A	-65	_2.0	-77		2/	NI/A	-02	N/A	0.7 _02	_11C	1.0	176	12/	1.5	.150	.107	_111		.177	-155	120	1.0		
nH (standard units)			N/A	N/A	N/A	N/A	-63	-09	-//	-131	-04	IN/A	-33	N/A	-92	-110	148 6.6	67	7.0	121	-129	-171	-111	-23	-1//	-100	139	130		
Specific Conductance (ve/cm)			N/A	N/A	N/A	N/A	0.7	0.8	7.3	1.2	0.8	IN/A	0.7	IN/A	0.0	0.9	125	125	1.0	211	3.4	3.3	0.9	0./	0.3	7.9	0.0	0.5		
Temperature (degrees Calaius)			IN/A	N/A	N/A	N/A	4/6	406	970	1090	870	N/A	943	N/A	881	885	125	135	1/5	211	294	276	296	288	239	220	/1	90		
Turbidity (NTU)			IN/A	N/A	N/A	N/A	9	14	9	14	/	N/A	14	N/A	ð - 5	10	/	15	9	14	ð 75	15	8 	14	8 	13	ŏ	13		
			N/A	N/A	N/A	N/A	<5	<5	<5	<5	<5	N/A	12	N/A	<5	/	<5	<5	<5	<5	<5	8	<5	<5	<5	<5	<5	<5		
Notes on Last Page of Table	1																													

# Summary of 2017 Groundwater Analytical Data

## Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

|  |   |  |   |   |   |  
   
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  | OP   
   | ERABLE I   | JNIT 2 (C  | )U-2)  |   |  |   
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| Sampling Point ID  |   |  | FPC-5B  | FPC-5B  | FPC-6A  | FPC-6A   
   
   | FPC-6B   | FPC-6B   | FPC-7A  
  | FPC-7A   
   
  | FPC-7B   | FPC-7B  
  | FPC-8A   
   | FPC-8A   | FPC-8B   | FPC-8B   | FPC-9A  | FPC-9A   | FPC-9B  
   | FPC-11A  | FPC-11A  | FPC-11B  | FPC-11B  | GZ-105  
  | GZ-105-DUP   | GZ-105  | GZ-105-DUP   | GZ-109  | GZ-117  | # of Exc   | eedances   |
| Monitored Unit   | EPA   | NHDES  | SBR   | SBR   | Till  | Till   
   
   | SBR  | SBR  | Till  
  | Till   
   
  | SBR  | SBR   
  | Till   
   | Till   | SBR  | SBR  | Till  | Till   |   
   | Till   | Till   | Till   | Till   | SBR   
  | SBR  | SBR   | SBR  |   |   | EPA  | NHDES  |
| Date of Sample Collection  | CL  | AGQS   | 4/28/17   | 9/12/17   | 4/26/17   | 9/13/17  
   
   | 4/26/17  | 9/132  | 4/26/17   
  | 9/13/17  
   
  | 4/26/17  | 9/13/17   
  | 4/27/17  
   | 9/14/17  | 4/27/17  | 9/15/17  | 5/1/17  | 9/19/17  | 9/19/17   
   | 4/28/17  | 9/20/17  | 4/28/17  | 9/20/17  | 5/1/17  
  | 5/1/17   | 9/20/17   | 9/20/17  | 9/19/17   | 9/19/17   | CL   | AGQS   |
| VOLATILE ORGANIC COMPOUNDS BY 8260   | 0B - (ug/L)   |  |   |   |   |  
   
   |  |  |   
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   |  |  |  |   |  | | |
   |  |  |  |  |   
  |  |   |  |   |   |  |  |
| 1,2,4-Trimethylbenzene   |   | 330  | N/A   | N/A   | 1 U   | 1 U  
   
   | 1 U  | 1 U  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 1 U  
   | 1 U  | 1 U  | 1 U  | N/A   | N/A  | 1 U   
   | N/A  | N/A  | N/A  | N/A  | 1 U   
  | 1 U  | 1 U   | 1 U  | 1 U   | 1 U   |  | 0  |
| 1,2-Dichloropropane  | 5   | 5  | N/A   | N/A   | 2 U   | 1U   
   
   | 2 U  | 1U   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 2 U  
   | 1U   | 2 U  | 1U   | N/A   | N/A  | 1U  
   | N/A  | N/A  | N/A  | N/A  | 2 U   
  | 2 U  | 1U  | 1U   | 1U  | 1U  | 0  | 0  |
| 1,4-Dichlorobenzene  |   | 75   | N/A   | N/A   | 1U  | 1U   
   
   | 1 U  | 1 U  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 1 U  
   | 1 U  | 1 U  | 1 U  | N/A   | N/A  | 1 U   
   | N/A  | N/A  | N/A  | N/A  | 3   
  | 2  | 2   | 2  | 1 U   | 1 U   |  | 0  |
| 2-Butanone(MEK)  | 200   | 4000   | N/A   | N/A   | 10 U  | 10 U   
   
   | 10 U   | 10 U   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 10 U   
   | 10 U   | 10 U   | 10 U   | N/A   | N/A  | 10 U  
   | N/A  | N/A  | N/A  | N/A  | 10 U  
  | 10 U   | 10 U  | 10 U   | 10 U  | 10 U  | 0  | 0  |
| Benzene  | 5   | 5  | N/A   | N/A   | 1U  | 1U   
   
   | 1 U  | 1 U  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 1 U  
   | 1 U  | 1 U  | 1 U  | N/A   | N/A  | 1 U   
   | N/A  | N/A  | N/A  | N/A  | 4   
  | 4  | 3   | 3  | 1 U   | 1 U   | 0  | 0  |
| Chlorobenzene  | 100   | 100  | N/A   | N/A   | 2   | 3  
   
   | 1  | 3  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 2 U  
   | 1U   | 2 U  | 1U   | N/A   | N/A  | 1U  
   | N/A  | N/A  | N/A  | N/A  | 6   
  | 6  | 5   | 5  | 1U  | 1U  | 0  | 0  |
| Chloroethane   |   |  | N/A   | N/A   | 5 U   | 5 U  
   
   | 5 U  | 5 U  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 5 U  
   | 5 U  | 5 U  | 5 U  | N/A   | N/A  | 5 U   
   | N/A  | N/A  | N/A  | N/A  | 7   
  | 7  | 5U  | 5U   | 5 U   | 5 U   |  |  |
| Diethyl Ether  |   | 1400   | N/A   | N/A   | 6   | 12   
   
   | 7  | 11   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 5 U  
   | 5 U  | 5 U  | 5 U  | N/A   | N/A  | 5 U   
   | N/A  | N/A  | N/A  | N/A  | 42  
  | 42   | 28  | 28   | 5 U   | 5 U   |  | 0  |
| IsoPropylbenzene   |   | 800  | N/A   | N/A   | 1 U   | 1 U  
   
   | 1 U  | 1 U  | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 10   
   | 1 U  | 10   | 1 U  | N/A   | N/A  | 10  
   | N/A  | N/A  | N/A  | N/A  | 1   
  | 1  | 10  | 10   | 1 U   | 1 U   |  | 0  |
| Methyl-t-butyl ether(MTBE)   |   | 13   | N/A   | N/A   | 5 U   | 10   
   
   | 5 U  | 10   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 5 U  
   | 10   | 5 U  | 10   | N/A   | N/A  | 10  
   | N/A  | N/A  | N/A  | N/A  | 5 U   
  | 5 U  | 10  | 10   | 10  | 10  |  | 0  |
| m&p-Xylene   |   | 10000^   | N/A   | N/A   | 10  | 10   
   
   | 10   | 10   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 10   
   | 10   | 10   | 10   | N/A   | N/A  | 10  
   | N/A  | N/A  | N/A  | N/A  | 10  
  | 10   | 10  | 10   | 10  | 10  |  | 0  |
| o-xylene   |   | 10000^   | N/A   | N/A   | 10  | 10   
   
   | 10   | 10   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 10   
   | 10   | 10   | 10   | N/A   | N/A  | 10  
   | N/A  | N/A  | N/A  | N/A  | 10  
  | 10   | 10  | 10   | 10  | 10  |  | 0  |
| tert-Butyl Alconol (TBA)   |   | 40   | N/A   | N/A   | 30 0  | 30 0   
   
   | 30 0   | 30 0   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 30 0   
   | 30 0   | 30 0   | 30 0   | N/A   | N/A  | 30 0  
   | N/A  | N/A  | N/A  | N/A  | 30.0  
  | 30.0   | 30 0  | 30 0   | 30 0  | 30.0  |  | 0  |
| Tetrachioroethene  | 3.5   | 5  | N/A   | N/A   | 20  | 10   
   
   | 20   | 10   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 20   
   | 10   | 20   | 10   | N/A   | N/A  | 10  
   | N/A  | N/A  | N/A  | N/A  | 20  
  | 20   | 10  | 10   | 10  | 10  | 0  | 0  |
| trans-1 2-Dichloroethene   | 154   | 100  | N/A<br>N/A  | N/A   | 211   | 100  
   
   | 211  | 10 0   | N/A   
  | N/A  
   
  | N/A  | N/A   
  | 211  
   | 10 0   | 211  | 10.0   | N/A   | N/A<br>N/A   | 10 0  
   | N/A  | N/A  | N/A  | N/A  | 211   
  | 30 J   | 20  | 20   | 10 0  | 10 0  | 0  | 0  |
|  | 100   | 100  | IN/PA   | N/A   | 20  | 10   
   
   | 20   | 10   | IN/A  
  | IN/A   
   
  | IN/A   | N/A   
  | 20   
   | 10   | 20   | 10   | N/A   | N/A  | 10  
   | N/A  | IN/A   | N/A  | N/A  | 20  
  | 20   | 10  | 10   | 10  | 10  | 0  | 0  |
| 1,4-DIOXANE BY 8200B SINI - (ug/L)   | 2   | 2  | 40  | 50  | 0   | 22   
   
   | 71   | 10   | 0.2511  
  | 0.2511   
   
  | 0.2511   | 0.2511  
  | 0.48   
   | 0.85   | 0.40   | 0.71   | 1/  | 17   | 25  
   | 0.02   | 1.2  | 0.55   | 0.01   | 65  
  | 67   | 54  | E1   | 0.2511  | 0.2511  | 12   | 12   |
| DISSOLVED METALS BY 200.8 - (mg/L)   | 3   | J  | 40  | 33  | 0   | 22   
   
   | 7.1  | 15   | 0.230   
  | 0.230  
   
  | 0.230  | 0.230   
  | 0.48   
   | 0.85   | 0.49   | 0.71   | 14  | 1/   | 2.5   
   | 0.95   | 1.2  | 0.55   | 0.91   | 05  
  | 07   | J4  | 51   | 0.230   | 0.230   | 12   | 12   |
| Dissolved Antimony   | 0.006   | 0.006  | N/A   | NI/A  | 0.001.11  | 0.001.11   
   
   | NI/A   | NI/A   | 0.001.11  
  | 0.001.11   
   
  | NI/A   | NI/A  
  | 0.001.11   
   | 0.001.11   | NI/A   | NI/A   | 0.001.11  | 0.001.11   | NI/A  
   | 0.001.11   | 0.001.11   | NI/A   | NI/A   | NI/A  
  | NI/A   | NI/A  | NI/A   | NI/A  | NI/A  | 0  | 0  |
| Dissolved Antiniony  | 0.000   | 0.000  | N/A   | N/A   | 0.001 0   | 0.001 0  
   
   | N/A  | N/A  | 0.0010  
  | 0.0010   
   
  | N/A  | N/A   
  | 0.0010   
   | 0.0010   | N/A  | N/A  | 0.001 0   | 0.0010   | N/A   
   | 0.001 0  | 0.0010   | N/A<br>N/A   | N/A<br>N/A   | N/A   
  | N/A  | N/A   | N/A  | N/A<br>N/A  | N/A   | 3  | 3  |
| Dissolved Barium   | 0.01  | 2  | N/A   | N/A   | 0.003   | 0.004  
   
   | N/A  | N/A  | 0.0010  
  | 0.0010   
   
  | N/A  | N/A   
  | 0.0010   
   | 0.0010   | N/A  | N/A  | 0.047   | 0.09/1+  | N/A   
   | 0.013  | 0.007  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  | 0  |
| Dissolved Bervllium  | 0.004   | 0.004  | N/A   | N/A   | 0.001 U   | 0.001 U  
   
   | N/A  | N/A  | 0.001 U   
  | 0.001 U  
   
  | N/A  | N/A   
  | 0.001 U  
   | 0.001 U  | N/A  | N/A  | 0.001 U   | 0.001 U  | N/A   
   | 0.001 U  | 0.001 U  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 0  | 0  |
| Dissolved Calcium  |   |  | N/A   | N/A   | 21  | 33   
   
   | N/A  | N/A  | 13  
  | 15   
   
  | N/A  | N/A   
  | 22   
   | 36   | N/A  | N/A  | 54  | 53   | N/A   
   | 55   | 57   | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  |  |
| Dissolved Chromium   | 0.05  | 0.1  | N/A   | N/A   | 0.001 U   | 0.001 U  
   
   | N/A  | N/A  | 0.001 U   
  | 0.001 U  
   
  | N/A  | N/A   
  | 0.001 U  
   | 0.001 U  | N/A  | N/A  | 0.001 U   | 0.001 U  | N/A   
   | 0.001 U  | 0.001 U  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 0  | 0  |
| Dissolved Iron   |   |  | N/A   | N/A   | 0.41  | 0.19   
   
   | N/A  | N/A  | 0.05 U  
  | 0.05 U   
   
  | N/A  | N/A   
  | 0.05U  
   | 0.1  | N/A  | N/A  | 7.7   | 7.7  | N/A   
   | 0.77   | 0.65   | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  |  |
| Dissolved Lead   | 0.015   | 0.015  | N/A   | N/A   | 0.001 U   | 0.001 U  
   
   | N/A  | N/A  | 0.001 U   
  | 0.001 U  
   
  | N/A  | N/A   
  | 0.001 U  
   | 0.001 U  | N/A  | N/A  | 0.001 U   | 0.001 U  | N/A   
   | 0.001 U  | 0.001 U  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 0  | 0  |
| Dissolved Magnesium  |   |  | N/A   | N/A   | 8.8   | 14   
   
   | N/A  | N/A  | 4   
  | 4.5  
   
  | N/A  | N/A   
  | 4.5  
   | 5.5  | N/A  | N/A  | 29  | 29   | N/A   
   | 18   | 19   | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  |  |
| Dissolved Manganese  | 0.3   | 0.84   | N/A   | N/A   | 1.1   | 2.2  
   
   | N/A  | N/A  | 0.005 U   
  | 0.005 U  
   
  | N/A  | N/A   
  | 0.005U   
   | 0.21   | N/A  | N/A  | 0.21  | 0.2  | N/A   
   | 0.37   | 0.43   | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 4  | 2  |
| Dissolved Nickel   | 0.1   | 0.1  | N/A   | N/A   | 0.005   | 0.006  
   
   | N/A  | N/A  | 0.004   
  | 0.005  
   
  | N/A  | N/A   
  | 0.001U   
   | 0.001  | N/A  | N/A  | 0.004   | 0.004  | N/A   
   | 0.001U   | 0.001U   | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 0  | 0  |
| Dissolved Potassium  |   |  | N/A   | N/A   | 5.9   | 8  
   
   | N/A  | N/A  | 2.1   
  | 2.1  
   
  | N/A  | N/A   
  | 2.7  
   | 2.5  | N/A  | N/A  | 11  | 9.7  | N/A   
   | 6.3  | 5.5  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  |  |
| Dissolved Sodium   |   |  | N/A   | N/A   | 49  | 93   
   
   | N/A  | N/A  | 9   
  | 10   
   
  | N/A  | N/A   
  | 17   
   | 18   | N/A  | N/A  | 89  | 86   | N/A   
   | 120  | 110  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   |  |  |
| Dissolved Vanadium   | 0.26  |  | N/A   | N/A   | 0.005 U   | 0.005 U  
   
   | N/A  | N/A  | 0.005 U   
  | 0.005 U  
   
  | N/A  | N/A   
  | 0.005 U  
   | 0.005 U  | N/A  | N/A  | 0.005 U   | 0.005 U  | N/A   
   | 0.005 U  | 0.005 U  | N/A  | N/A  | N/A   
  | N/A  | N/A   | N/A  | N/A   | N/A   | 0  |  |
| TOTAL METALS BY 200.8  |   |  |   |   |   |  
   
   |  |  |   
  |  
   
  |  |   
  |  
   |  |  |  |   |  | | |
   |  |  |  |  |   
  |  |   |  |   |   |  |  |
|  |   |  | 0.001.11  | 0.004.11  |   | NI/A   
   
   | 0.001.11   | 0.001.11   | NI/A  
  | N/A  
   
  | 0.001 U  | 0.001 U   
  | N/A  
   | N/A  | 0.001 U  | 0.001 U  | N/A   | N/A  | 0.001U  
   | N/A  | N/A  | 0.001 U  | 0.001 U  | 0.001 U   
  | 0.001 U  | 0.001 U   | 0.001 U  | 0.001U  | 0.001U  | 0  | 0  |
| Total Antimony   | 0.006   | 0.006  | 0.001 0   | 0.001 0   | N/A   | IN/A   
   
   | 0.001.0  | 0.001 0  | N/A   
  |  
   
  |  | 0.004.11  
  | N/A  
   | NI/A   |  |  |   | NI/A   | 0.001   
   | N/A  | N/A  | 0.002  | 0.002  | 0.014   
  | 0.013  |   |  | 0.00111   | 0.001U  | 4  | 4  |
| Total Antimony<br>Total Arsenic  | 0.006<br>0.01   | 0.006  | 0.001 0   | 0.001 0   | N/A<br>N/A  | N/A  
   
   | 0.001 0  | 0.001 0  | N/A<br>N/A  
  | N/A  
   
  | 0.001 U  | 0.001 0   
  | ,,,  
   | N/A  | 0.007  | 0.007  | N/A   | IN/A   | | |
   | ,  | ,  | 0.002  | 0.002  |   
  | 0.0-0  | 0.012   | 0.012  | 0.0010  |   | 4  |  |
| Total Antimony<br>Total Arsenic<br>Total Barium  | 0.006<br>0.01<br>   | 0.006<br>0.01<br>2   | 0.001 0   | 0.001 0<br>0.003<br>0.034J+   | N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A  
   
   | 0.001 0 0.001 0 0.001 0  | 0.001 0<br>0.002<br>0.073J+  | N/A<br>N/A  
  | N/A<br>N/A   
   
  | 0.001 U<br>0.003   | 0.001 0<br>0.003J+  
  | N/A  
   | N/A<br>N/A   | 0.007  | 0.007<br>0.007J+   | N/A<br>N/A  | N/A  | 0.058J+   
   | N/A  | N/A  | 0.03   | 0.049J+  | 0.044   
  | 0.042  | 0.012<br>0.039J+  | 0.012<br>0.04J+  | 0.0010<br>0.003J+   | 0.042J+   |  | 0  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium   | 0.006<br>0.01<br><br>0.004  | 0.006<br>0.01<br>2<br>0.004  | 0.001 0<br>0.003<br>0.038<br>0.001 U  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U  | N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A  
   
   | 0.001<br>0.001<br>0.043<br>0.001U  | 0.001 0<br>0.002<br>0.073J+<br>0.001U  | N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A  
   
  | 0.001 U<br>0.003<br>0.001 U  | 0.001 U<br>0.003J+<br>0.001 U   
  | N/A<br>N/A   
   | N/A<br>N/A<br>N/A  | 0.007<br>0.007<br>0.001 U  | 0.007<br>0.007J+<br>0.001 U  | N/A<br>N/A<br>N/A   | N/A<br>N/A   | 0.058J+<br>0.001U   
   | N/A<br>N/A   | N/A<br>N/A   | 0.03<br>0.001 U  | 0.049J+<br>0.001 U   | 0.044<br>0.001 U  
  | 0.042<br>0.001 U   | 0.012<br>0.039J+<br>0.001 U   | 0.012<br>0.04J+<br>0.001 U   | 0.003J+<br>0.001U   | 0.042J+<br>0.001U   | 4<br><br>0   | 0  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium  | 0.006<br>0.01<br><br>0.004<br>  | 0.006<br>0.01<br>2<br>0.004<br>  | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9   | N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001<br>0.001<br>0.043<br>0.001U<br>9.2   | 0.001 0<br>0.002<br>0.073J+<br>0.001U<br>20  | N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17  | 0.001 U<br>0.003J+<br>0.001 U<br>18   
  | N/A<br>N/A<br>N/A  
   | N/A<br>N/A<br>N/A  | 0.007<br>0.007<br>0.001 U<br>21  | 0.007<br>0.007J+<br>0.001 U<br>22  | N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A  | 0.058J+<br>0.001U<br>17   
   | N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A  | 0.03<br>0.001 U<br>28  | 0.049J+<br>0.001 U<br>22   | 0.044<br>0.001 U<br>50  
  | 0.042<br>0.001 U<br>47   | 0.012<br>0.039J+<br>0.001 U<br>45   | 0.012<br>0.04J+<br>0.001 U<br>47   | 0.003J+<br>0.001U<br>2.4  | 0.042J+<br>0.001U<br>85   | 4<br><br>0<br>   | 0 0  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium  | 0.006<br>0.01<br><br>0.004<br><br>0.05  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1   | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U  | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U  | 0.001 0<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U  
  | N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A                                    | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U   | N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A   | 0.058J+<br>0.001U<br>17<br>0.001U   
   | N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U   | 0.049J+<br>0.001 U<br>22<br>0.001 U  | 0.044<br>0.001 U<br>50<br>0.001 U   
  | 0.042<br>0.001 U<br>47<br>0.001 U  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U  | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U  | 0.042J+<br>0.001U<br>85<br>0.001U   | 4<br><br>0<br><br>0  | 0<br>0<br><br>0  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron  | 0.006<br>0.01<br><br>0.004<br><br>0.05<br>  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br>   | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1   | 0.001 0<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A                                    | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2  | N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                             | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A                                    | N/A<br>N/A<br>N/A<br>N/A<br>N/A  | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79   | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8  
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5   | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U   | 4<br><br>0<br><br>0<br>  | 0 0 0 0  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Maggocium   | 0.006<br>0.01<br><br>0.004<br><br>0.05<br><br>0.015   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015  | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1<br>0.001 U  | 0.001 U<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U  | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                      | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                             | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                             | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U  | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U   | 4<br><br>0<br><br>0  | 0<br>0<br><br>0<br><br>0   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium  | 0.006<br>0.01<br><br>0.004<br><br>0.05<br><br>0.015<br>   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br>  | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.052  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2   | 0.001 U<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A               | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.007<br>0.004<br>4.5  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001U<br>5<br>0.0020   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                      | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A                      | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9   | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19  | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.032   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U   | 4<br><br>0<br><br>0<br><br>7   | 0<br>0<br><br>0<br><br>0   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Manganese<br>Total Manganese  | 0.006<br>0.01<br><br>0.004<br><br>0.05<br><br>0.015<br><br>0.3<br>0.1   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1   | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.005   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004  | 0.001 0<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01  | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A        | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A               | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A               | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.027  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007   | 0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U   | 4<br><br>0<br><br>0<br><br>7<br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0  |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Manganese<br>Total Nickel<br>Total Patassium  | 0.006<br>0.01<br><br>0.004<br><br>0.05<br><br>0.015<br><br>0.3<br>0.1   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1   | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2 1   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2 1   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1  | 0.007<br>0.007J+<br>0.001U<br>22<br>0.001U<br>0.2<br>0.001U<br>5<br>0.029<br>0.001U<br>2.9   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A        | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A        | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6   | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002<br>8.6  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6 1  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6  | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7   | 0<br>0<br><br>0<br><br>0<br>0<br>0   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Manganese<br>Total Nickel<br>Total Potassium<br>Total Sodium  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br>0.1<br>  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br>   | 0.001 U<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220  | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.004<br>5.1<br>5.8  | 0.001 0<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A        | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002<br>8.6<br>300   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130  
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130   | 0.0010<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br>  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br>0<br>   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Manganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Vanadium  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br>0.1<br><br>0.3<br>0.1<br><br>0.26  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br>   | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 I   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U   | 0.001 0<br>0.002<br>0.073J+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U  | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002<br>8.6<br>300<br>0.005U   | 0.044<br>0.001 U<br>50<br>0.001 U<br>19<br>0.02<br>0.007<br>6.3<br>130<br>0.005 U   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br><b>0.39</b><br>0.007<br>6.1<br>130<br>0.005 U   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U  | 0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br><br>  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Maganesum<br>Total Maganese<br>Total Nickel<br>Total Potassium<br>Total Potassium<br>Total Sodium<br>Hexavalent Chromium by 7196A  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br><br><br><br><br>0.26  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br>   | 0.001 0<br>0.003<br>0.031 0<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U   | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U  | 0.001 0<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br><b>0.39</b><br>0.007<br>6.1<br>130<br>0.005 U   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U  | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Maganesium<br>Total Manganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br>   | 0.001 0<br>0.003<br>0.003 0<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>2005 U   | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.015 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.005 U   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>0.1U  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>0.005 U<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39<br>0.005U  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>2600<br>0.05U  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.005 U<br>0.1U  
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U  | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>0<br><br>0<br><br><br>0<br><br><br><br>0<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br><br><br>  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Lead<br>Total Maganesiem<br>Total Maganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>ANCES BY [  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br>   | 0.001 0<br>0.003<br>0.003<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.005 U<br>0.10<br>3.7 (ng/L)   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>0.01U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.005 U   | 0.001 0<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.002 U<br>0.002 U   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>0.1U  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>0.01R  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39<br>0.005U  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U   
  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U   | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br>0<br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Maganesium<br>Total Maganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Vanadium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA<br>Perfluorobutanesulfonic acid (PFBS)   | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>ANCES BY I  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br><br><b>MODIFIED 5</b>  | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.1U<br>37 - (ng/L<br>13.2)   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>0.01U<br>0.01U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>0.1U   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.01R<br>4.96J   | N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01U<br>0.005 U<br>0.01U   | 0.001 0<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.01U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>0.1U<br>2.15U  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>0.01R<br>2.35U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.001U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39<br>0.005U<br>0.01U<br>0.01U  |
N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.10  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.005U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.10<br>13.4J   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.011  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J  |
0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>0.01U<br>0.01U   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.005U   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br><br><br>  |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Lead<br>Total Maganesie<br>Total Maganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Vanadium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA<br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorobetanoic acid (PFHpA)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>ANCES BY I   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br><br><b>MODIFIED 5</b>  | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.005 U<br>0.007<br>1.22<br>0.005 U<br>0.007<br>1.22<br>0.007 U<br>1.22<br>0.007 U<br>1.22<br>0.22<br>0.007 U<br>1.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22<br>0.22   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>0.01U<br>11.0J<br>31.8   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9  | 0.001 0<br>0.002<br>0.0731+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.01R   | N/A  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.001 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.001 U<br>4.8<br>0.005 U<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001 U<br>0.001 U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>0.1U<br>2.15U<br>2.54U   
  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>0.01U<br>2.37U<br>4.38J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.07<br>0.002<br>6.6<br>260<br>0.005U<br>0.005U<br>0.1U<br>2.18U<br>2.82J  | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>4.14J   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U<br>13.4J<br>123  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>14.9J<br>140  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.010  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U  | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>0.01U<br>2.33U<br>2.75U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.001U<br>2.37J<br>2.73U   |
4<br><br>0<br><br>0<br><br>7<br>0<br><br>0<br><br>0  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Lead<br>Total Maganesie<br>Total Maganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Sodium<br><b>Total Sodium</b><br><b>Hexavalent Chromium by 7196A</b><br>Hexavalent Chromium<br><b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobutanesulfonic acid (PFHpA)<br>Perfluorohexanesulfonic acid (PFHpA)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.015<br><br>0.015<br><br>0.026<br><br>ANCES BY F   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br><br>MODIFIED 5   | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2J<br>27.9<br>41.4   | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>11.0J<br>31.8<br>36.6  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J   | 0.001 0<br>0.002<br>0.0731+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.2J   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.001 U<br>4.8<br>0.005 U<br>4.8<br>0.001 U<br>4.8<br>0.001 U<br>4.8<br>0.005 U<br>4.8<br>0.005 U<br>4.8<br>0.9<br>0.10<br>0.005 U<br>4.8<br>0.9<br>0.10<br>0.005 U<br>4.9<br>0.10<br>0.005 U<br>4.9<br>0.005 U<br>4.9<br>0.005 U<br>4.9<br>0.005 U<br>4.9<br>0.005 U<br>4.9<br>0.9<br>0.005 U<br>4.9<br>0.005 U<br>4.9<br>0  | 0.001 0<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U   | N/A  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>0.1U<br>2.15U<br>2.54U<br>1.76J   
   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005 U<br>2.35U<br>2.35U<br>2.77U<br>2.69J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>0.01U<br>2.37U<br>4.38J<br>5.15J   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.001 U<br>7.9<br>0.002<br>6.6<br>260<br>0.005U<br>0.005U<br>0.1U<br>2.18U<br>2.82J<br>2.85J   | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>4.14J<br>4.34J  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U<br>13.4J<br>123<br>66.4  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>10.2J<br>90.9<br>37   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1  | 0.001U<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>0.01U<br>2.33U<br>2.75U<br>1.24U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.001U<br>2.37J<br>2.73U<br>1.24U  | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>0<br><br>0  
   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Sodium<br><b>Total Sodium</b><br><b>Perfluorobutanesulfonic acid (PFBS)</b><br>Perfluorobetanesulfonic acid (PFBS)<br>Perfluorobetanesulfonic acid (PFHXS)<br>Perfluorobetanesulfonic acid (PFHXS)<br>Perfluorobctanesulfonic acid (PFHXS)   | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.015<br><br>0.015<br><br>0.26<br><br>ANCES BY F<br><br><br>70  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.015<br><br>0.84<br>0.1<br><br><br><br><br>MODIFIED 5   | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.21<br>27.9<br>41.4<br>192   | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>11.0J<br>31.8<br>36.6<br><b>136</b>  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>80.4   | 0.001 0<br>0.002<br>0.0731<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.21<br>110   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01<br>4.8<br>0.05 U<br>0.05 U<br>0.01 U<br>4.8<br>0.05 U<br>0.01 U<br>4.8<br>0.05 U<br>0.01 U<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01 U<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.55 J<br>0.55  | 0.001 0<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.010<br>4.73J<br>1.61J<br>12.3J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001
U<br>3.1<br>18<br>0.005 U<br>0.1U<br>2.15U<br>2.54U<br>1.76J<br>3.96J  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>0.005 U<br>2.35U<br>2.77U<br>2.69J<br>2.26J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.01U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>21.5J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.001 U<br>7.9<br>0.27<br>0.27<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.10<br>2.18U<br>2.82J<br>2.85J<br>14.0J  | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>2.38U<br>4.14J<br>4.34J<br>14.7J  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U<br>13.4J<br>123<br>66.4<br>340   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>14.0<br>64.1<br>425  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>10.2J<br>90.9<br>37<br>220  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226   | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.0022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.33U<br>2.75U<br>1.24U<br>1.74J   |
0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.005U<br>0.001U<br>2.37J<br>2.37J<br>2.73U<br>1.24U<br>5.16J  | <br>0<br><br>0<br><br>7<br>0<br><br>0<br><br>0<br><br>0<br><br>12  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Sodium<br><b>Total Vanadium</b><br><b>Hexavalent Chromium by 7196A</b><br>Hexavalent Chromium<br><b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorohexanesulfonic acid (PFHA)<br>Perfluorooctanoic acid (PFNA)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br><br>70<br><br>70<br>  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br><br><b>NODIFIED 5</b><br><br><br><b>TODIFIED 5</b><br><br>70<br>                            | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.0  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>0.01U<br>0.01U<br>11.0J<br>31.8<br>36.6<br><b>136</b><br>2.34U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
  | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>80.4<br>2.93J  | 0.001 0<br>0.002<br>0.0731+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.011<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01<br>10<br>0.05 U<br>0.05 U<br>0.01 U<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01 U<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01 U<br>0.05 U<br>0.01 U<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.001 U<br>0.05 U<br>0.01 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01 U<br>0.05 U<br>0.55 U   | 0.001 0<br>0.003)+<br>0.001 U<br>18<br>0.001 U<br>0.1U<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001 U<br>0.000 U<br>0.000 U<br>0.002 U<br>0.002 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.005 U<br>0.001 U  | N/A           D.0.1U           2.00U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.54U<br>2.54U<br>1.76J<br>3.36J<br>2.05U   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005 U<br>2.35U<br>2.77U<br>2.69J<br>2.26J<br>2.24U  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.01U<br>11<br>0.001<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>2.2.5U  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.01 U<br>7.9<br>0.27<br>0.27<br>0.27<br>6.6<br>260<br>0.0002<br>6.6<br>260<br>0.005U<br>0.1U<br>2.18U<br>2.18U<br>2.82J<br>2.85J<br>14.0J<br>2.08U   
  | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>2.38U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>0.42<br>130<br>0.005 U<br>130<br>0.005 U<br>13.4J<br>123<br>66.4<br>340<br>19.8   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.001 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>0.010<br>10.2J<br>90.9<br>37<br>220<br>22.4  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007 U<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>9.6.4<br>43.1<br>226<br>26.4  | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.0022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.33U<br>2.33U<br>2.75U<br>1.24U<br>1.74J<br>2.22U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.005U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U  | 4<br><br>0<br><br>0<br><br>0<br><br>0<br><br>0<br><br>12<br>   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br><br>12<br>   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Lead<br>Total Magnesium<br>Total Manganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Vanadium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA<br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorohexanesulfonic acid (PFMA)<br>Perfluoronctanoic acid (PFNA)<br>Perfluorononanoic acid (PFNA)<br>Perfluoronctanesulfonic (PFOS)   | 0.006<br>0.01<br><br>0.04<br><br>0.05<br><br>0.3<br>0.1<br><br>0.3<br>0.1<br><br>0.26<br><br>ANCES BY I<br><br>70<br>70   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br><br><br><b>MODIFIED 5</b><br><br><br>70<br><br>70   | 0.001 0<br>0.003<br>0.03<br>0.03 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>0.4<br>220<br>0.005 U<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2]<br>27.9<br>41.4<br>192<br>2.12U<br>30.1   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.005 U<br>0.01U<br>0.01U<br>11.0J<br>31.8<br>31.8<br>36.6<br><b>136</b><br>2.34U<br>34.7   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.004<br>5.1<br>58<br>0.004<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>8.49J<br>13.0J  | 0.001 0<br>0.002<br>0.0731+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004 U<br>10<br>0.45<br>0.004 V<br>7.2<br>79<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.2J<br><b>110</b><br>7.73J<br>20.3J   | N/A           I.13U           5.64)           1.88J <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.001 U<br/>0.003<br/>0.001 U<br/>17<br/>0.001 U<br/>0.05 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.011<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.05 U<br/>0.05 U<br/>0.01<br/>2.1<br/>10<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.01<br/>0.05 U<br/>0.01<br/>0.05 U<br/>0.01<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05 U<br/>0.05
U<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.05<br/>0.01<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.05<br/>0.01<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05</th> <th>0.001 0<br/>0.003)+<br/>0.001 U<br/>18<br/>0.001 U<br/>0.101 U<br/>5.5<br/>0.005 U<br/>0.005 U<br/>0.002<br/>2.1<br/>10<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.001 U<br/>0.002 U<br/>0.005 U<br/>0.005</th> <th>N/A           N/A           N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.007<br/>0.001 U<br/>21<br/>0.001 U<br/>21<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>2.15U<br/>2.54U<br/>1.76J<br/>3.96J<br/>2.05U<br/>2.53J</th> <th>0.007<br/>0.007J+<br/>0.001 U<br/>22<br/>0.001 U<br/>5<br/>0.029<br/>0.001 U<br/>2.9<br/>18<br/>0.005 U<br/>2.9<br/>18<br/>0.005 U<br/>2.9<br/>18<br/>0.005 U<br/>2.35U<br/>2.77U<br/>2.65J<br/>2.26J<br/>2.24U<br/>1.12U</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.01U<br/>11<br/>0.001U<br/>110<br/>0.001<br/>6.2<br/>39<br/>0.005U<br/>0.005U<br/>2.37U<br/>4.38J<br/>5.15J<br/>2.26U<br/>4.75J</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.01 U<br/>7.9<br/>0.27<br/>0.27<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.1U<br/>2.18U<br/>2.82J<br/>2.85J<br/>14.0U<br/>2.08U<br/>3.77J</th> <th>0.049)+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/>0.55<br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.005U<br/>2.38U<br/>4.14J<br/>4.34J<br/>4.34J<br/>4.34J<br/>4.34J<br/>4.34J<br/>1.4.7J<br/>2.27U<br/>10.8J</th> <th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.42<br/>0.42<br/>13.43<br/>123<br/>6.4<br/>123<br/>6.4<br/>340<br/>19.8<br/>163</th> <th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/>0.39<br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>2.3.4<br/>211</th> <th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.001 U<br/>18<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005 U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141</th> <th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>9.88J<br/>96.4<br/>4.3.1<br/>226<br/>26.4<br/>145</th> <th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.001U<br/>0.6<br/>0.0022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.33U<br/>2.75U<br/>1.24U<br/>1.74J<br/>2.22U<br/>1.11U</th> <th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.005U<br/>0.005U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J</th> <th>4<br/><br/>0<br/><br/>0<br/><br/>0<br/><br/>0<br/><br/>0<br/><br/>12<br/><br/>4</th> <th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/><br/><br/></th> | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
   
   | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.011<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.01<br>2.1<br>10<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.05 U<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.05<br>0.01<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.05<br>0.01<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05           | 0.001 0<br>0.003)+<br>0.001 U<br>18<br>0.001 U<br>0.101 U<br>5.5<br>0.005 U<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001 U<br>0.002 U<br>0.005   | N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>21<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005 U<br>2.35U<br>2.77U<br>2.65J<br>2.26J<br>2.24U<br>1.12U  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.01U<br>11<br>0.001U<br>110<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>2.26U<br>4.75J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.01 U<br>7.9<br>0.27<br>0.27<br>0.27<br>0.002<br>6.6<br>260<br>0.002<br>6.6<br>260<br>0.005U<br>0.1U<br>2.18U<br>2.82J<br>2.85J<br>14.0U<br>2.08U<br>3.77J  
   | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.005U<br>2.38U<br>4.14J<br>4.34J<br>4.34J<br>4.34J<br>4.34J<br>4.34J<br>1.4.7J<br>2.27U<br>10.8J   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.42<br>0.42<br>13.43<br>123<br>6.4<br>123<br>6.4<br>340<br>19.8<br>163   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>2.3.4<br>211   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.001 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>4.3.1<br>226<br>26.4<br>145                                   | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.0022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.33U<br>2.75U<br>1.24U<br>1.74J<br>2.22U<br>1.11U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.005U<br>0.005U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J   | 4<br><br>0<br><br>0<br><br>0<br><br>0<br><br>0<br><br>12<br><br>4  | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br>   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Vanadium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA<br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorobeptanoic acid (PFNA)<br>Perfluorononanoic acid (PFNA)<br>Perfluorooctanesulfonic (PFOS)<br>Combination of PFOA and PFOS   | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br><br>0.3<br>0.1<br><br>0.26<br><b>ANCES BY I</b><br><br><br>70<br>70<br>70  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br><br><br><b>MODIFIED 5</b><br><br><br>70<br><br>70<br><br>70<br>70                           | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2J<br>27.9<br>41.4<br>192<br>2.12U<br>30.1<br>222.1  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.005<br>0.005<br>0.005 U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>11.0J<br>31.8<br>31.8<br>36.6<br>136<br>2.34U<br>34.7<br>170.7   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>0.10<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>8.49J<br>13.0J<br>93.4J   | 0.001 0<br>0.003 J<br>0.073 J<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004 V<br>7.2<br>79<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130.3J   | N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.005 U<br>1.09U<br>5.56J<br>1.95U<br>1.35J<br>6.91J  | 0.001 0<br>0.003)+<br>0.001 U<br>18<br>0.001 U<br>0.101 U<br>5.5<br>0.005 U<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001 U<br>2.21<br>1.611<br>1.231<br>2.20U<br>2.581<br>14.881  
  | N/A           ID.31           ID.31  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.010 U<br>3.16<br>0.01 U<br>3.18<br>0.05 U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>6.49J   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>0.2<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005 U<br>2.35U<br>2.77U<br>2.69J<br>2.26U<br>1.12U<br>2.26J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>2.26U<br>4.75J<br>2.26U<br>4.75J   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.01 U<br>7.9<br>0.27<br>0.027<br>0.027<br>0.027<br>0.027<br>0.027<br>0.027<br>0.027<br>0.027<br>0.021<br>2.08<br>12<br>2.85<br>14.00<br>2.08<br>14.00<br>2.08<br>14.00<br>2.08<br>14.00<br>2.85<br>14.00<br>2.08<br>14.00<br>2.75<br>0.001 U<br>7.9<br>0.27<br>0.001 U<br>7.9<br>0.27<br>0.001 U<br>7.9<br>0.27<br>0.001 U<br>7.9<br>0.27<br>0.001 U<br>7.9<br>0.27<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.27<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.27<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.27<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.27<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.9<br>0.005 U<br>7.0<br>0.005 U<br>7.005 U<br>7. | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.005U<br>0.01U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>25.5J  | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>194<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U<br>13.4J<br>123<br>66.4<br>340<br>19.8<br>163<br>19.8   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>2.3.4<br>211<br>636  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.001 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>361  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226.4<br>145<br>26.4<br>145                           | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.0022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.33U<br>2.75U<br>1.24U<br>1.74J<br>2.22U<br>1.11U<br>1.74J   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.001U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J<br>22.46J   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>0<br><br>12<br><br>4<br>8  |
0<br>0<br><br>0<br>0<br>0<br><br>0<br>0<br>0<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br> |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br><b>Total Vanadium</b><br><b>Hexavalent Chromium by 7196A</b><br>Hexavalent Chromium <b>DY 196A</b><br>Hexavalent Chromium<br><b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobetanesulfonic acid (PFBS)<br>Perfluorohexanesulfonic acid (PFHxS)<br>Perfluorooctanoic acid (PFNA)<br>Perfluorooctanoic acid (PFNA)<br>Perfluorooctanoic acid (PFOS)<br>Combination of PFOA and PFOS<br><b>FIELD PARAMETERS</b>   | 0.006<br>0.01<br><br>0.004<br><br>0.05<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>ANCES BY I<br><br>70<br>70<br>70   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br>0.84<br>0.1<br><br><br><br><br><b>MODIFIED 5</b><br><br>70<br><br>70<br>70<br>70                | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007<br>0.007   | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>0.01U<br>11.0J<br>31.8<br>36.6<br>136<br>2.34U<br>34.7<br>170.7  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>8.49J<br>13.0J<br>93.4J   | 0.001 0<br>0.002<br>0.0731+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.004<br>7.2<br>79<br>0.005 U<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.003 U<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10<br>0.07<br>10 | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>1.95U<br>1.95U<br>1.35U<br>1.35U<br>1.35U<br>1.35U  | 0.001 0<br>0.003)+<br>0.001 U<br>18<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U   | N/A   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>2.65U<br>2.53J<br>6.49J   
  | 0.007<br>0.007J+<br>0.001U<br>22<br>0.001U<br>5<br>0.029<br>0.01U<br>2.9<br>1.8<br>0.001U<br>2.35U<br>2.77U<br>2.69J<br>2.26J<br>2.24U<br>1.12U<br>2.26J   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>0.001<br>0.001<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>2.35U<br>2.26U<br>4.75J<br>2.26U   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.10<br>2.18U<br>2.82J<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>17.77J  | 0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>25.5J  | 0.044<br>0.001 U<br>50<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.1U<br>13.4J<br>123<br>66.4<br>340<br>19.8<br>163<br>503   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>141  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371                             | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.0022<br>0.001U<br>2.4<br>43<br>0.005U<br>0.01U<br>2.33U<br>2.75U<br>1.24U<br>1.74J<br>2.22U<br>1.11U<br>1.74J  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>2.70<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>1.7.3J<br>2.2.46J   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>4<br>8   | 0<br>0<br><br>0<br>0<br><br>0<br>0<br>0<br><br><br>0<br>0<br><br><br>12<br>4<br>8  
   |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium by 7196A<br>Hexavalent Chromium<br>PER- & POLY-FLUORINATED ALKYL SUBSTA<br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorohexanesulfonic acid (PFHxS)<br>Perfluoronexanesulfonic acid (PFHxS)<br>Perfluorooctanoic acid (PFNA)<br>Perfluorooctanosulfonic (PFOS)<br>Combination of PFOA and PFOS<br>FIELD PARAMETERS<br>Dissolved Oxygen (mg/l)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br>ANCES BY I<br><br>70<br><br>70<br><br>70<br>70<br>70   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br>0.84<br>0.1<br><br><br><br><br>70<br>70<br>70<br>70<br>70                                       | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2J<br>27.9<br>41.4<br>192<br>2.12U<br>30.1<br>222.1<br>0.7  | 0.001 U<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>11.0J<br>31.8<br>36.6<br>136<br>2.34U<br>34.7<br>1.1   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>80.4<br>2.93J<br>13.0J<br>93.4J<br>1.6  | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.001R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130.3J<br>1.7  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>1.95U<br>1.95U<br>1.95U<br>1.95U<br>1.35J<br>6.91J<br>3.8   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.001U<br>3.39J<br>4.73J<br>1.61J<br>12.3J<br>2.20U<br>2.58J<br>14.88J<br>4.1  
  | N/A           ID.3           2.00U   
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>2.53J<br>6.49J  | 0.007<br>0.007J+<br>0.001U<br>22<br>0.001U<br>5<br>0.029<br>0.001U<br>2.9<br>1.8<br>0.005U<br>0.01R<br>2.35U<br>2.77U<br>2.69J<br>2.26J<br>2.26J<br>2.26J<br>1.220<br>1.26J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>0.001<br>0.001<br>0.005U<br>0.005U<br>0.005U<br>2.37U<br>4.38J<br>5.15J<br>2.35U<br>2.26U<br>4.75J<br>2.26U<br>4.75J  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.10<br>2.18U<br>2.82J<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>1.7J  | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>25.5J  | 0.044<br>0.001 U<br>50<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>13.4J<br>123<br>66.4<br>340<br>199<br>13.4J<br>123<br>66.4<br>340<br>193<br>163<br>503<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.001 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.005
U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>141<br>361   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>19<br>0.43<br>0.007 U<br>19<br>0.43<br>0.007 U<br>130<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A                  | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.75U<br>1.24U<br>1.74J<br>2.22U<br>1.11U<br>1.74J   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>2.70<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>1.7.3J<br>2.2.46J   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br><br><br>12<br><br>12<br><br>4<br>8<br>  |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Chromium<br>Total Chromium<br>Total Iron<br>Total Lead<br>Total Maganesie<br>Total Manganese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br><b>Hexavalent Chromium by 7196A</b><br>Hexavalent Chromium <b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorobeptanoic acid (PFHA)<br>Perfluorooctanoic acid (PFNA)<br>Perfluorooctanoic acid (PFNA)<br>Perfluorooctanesulfonic (PFOS)<br>Combination of PFOA and PFOS<br><b>FIELD PARAMETERS</b><br>Dissolved Oxygen (mg/l)<br>Oxidation Reduction Potential (mV)   | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br><br>70<br><br>70<br><br>70<br><br>70<br>70<br>70<br>70   | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br>70<br><br>70<br><br>70<br>70<br>70                | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2J<br>27.9<br>41.4<br>192<br>2.12U<br>30.1<br>22.12U<br>30.1<br>7.164   | 0.001 0<br>0.003<br>0.034J+<br>0.001 U<br>4.9<br>0.001 U<br>0.2<br>0.001 U<br>3<br>0.053<br>0.006<br>5.8<br>250<br>0.005 U<br>0.01U<br>11.0J<br>31.8<br>36.6<br>136<br>2.34U<br>34.7<br>170.7<br>1.1<br>-124  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A           I.4           25 <th>0.001 0<br/>0.001<br/>0.043<br/>0.001 U<br/>9.2<br/>0.001 U<br/>4.1<br/>0.001 U<br/>5.2<br/>0.45<br/>0.004<br/>5.1<br/>58<br/>0.005 U<br/>0.1U<br/>2.40J<br/>21.9<br/>8.49J<br/>80.4<br/>2.93J<br/>13.0J<br/>93.4J<br/>1.6<br/>-73</th> <th>0.001 0<br/>0.002<br/>0.073J+<br/>0.071U<br/>20<br/>0.001 U<br/>6.8<br/>0.001 U<br/>10<br/>0.45<br/>0.004<br/>7.2<br/>79<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.001R<br/>4.96J<br/>40.8<br/>15.2J<br/>110<br/>7.73J<br/>20.3J<br/>130.3J<br/>1.7<br/>-87</th> <th>N/A           N/A           N/A</th> <th>N/A           N/A           N/A</th> <th>0.001 U<br/>0.003<br/>0.001 U<br/>17<br/>0.001 U<br/>0.05 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.01 U<br/>4.8<br/>0.005 U<br/>0.005 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.005 U<br/>0.</th> <th>0.001 U<br/>0.003J+<br/>0.001 U<br/>18<br/>0.001 U<br/>18<br/>0.001 U<br/>5.5<br/>0.005 U<br/>0.002<br/>2.1<br/>10<br/>0.005 U<br/>0.002<br/>2.1<br/>10<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.001 U<br/>1.2<br/>3.39J<br/>4.73J<br/>1.61J<br/>12.3J<br/>2.20U<br/>2.58J<br/>14.88J<br/>4.1<br/>156</th> <th>N/A           N/A           I.9           132  <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>0.007<br/>0.001 U<br/>21<br/>0.01 U<br/>0.07<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.001 U<br/>3.1<br/>18<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.001
U</th><th>0.007<br/>0.007J+<br/>0.001U<br/>22<br/>0.001U<br/>5<br/>0.029<br/>0.001U<br/>2.9<br/>0.001U<br/>2.9<br/>1.8<br/>0.005U<br/>0.01R<br/>2.35U<br/>2.25U<br/>2.26J<br/>2.26J<br/>2.26J<br/>2.26J<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20</th><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.1U<br/>0.001U<br/>11<br/>0.001<br/>0.001<br/>0.001<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.01U<br/>2.37U<br/>4.38J<br/>5.15J<br/>21.5J<br/>2.260U<br/>4.75J<br/>26.25J<br/>26.25J</th><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>N/A           N/A           A.73J           18.4J           2.0           -109</th><th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.001 U<br/>7.9<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.005U<br/>0.10<br/>2.18U<br/>2.82J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>1.77J</th><th>0.049J+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/>0.55<br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.005U<br/>2.38U<br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>22.5J<br/>1.6<br/>-149</th><th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>13.4J<br/>123<br/>66.4<br/>340<br/>19.8<br/>163<br/>163<br/>503<br/>-136</th><th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/><b>0.39</b><br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636</th><th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.001 U<br/>18<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005 U<br/>0.010<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>141<br/>1.5<br/>-130</th><th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A</th><th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.2</th><th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.01U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J<br/>2.214G<br/>17.3J<br/>2.246J</th><th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/></th><th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>12<br/><br/>4<br/>8</th></th> | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>80.4<br>2.93J<br>13.0J<br>93.4J<br>1.6<br>-73  | 0.001 0<br>0.002<br>0.073J+<br>0.071U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130.3J<br>1.7<br>-87  
   | N/A   
  | N/A  
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01 U<br>4.8<br>0.005 U<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.005 U<br>0.   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001 U<br>1.2<br>3.39J<br>4.73J<br>1.61J<br>12.3J<br>2.20U<br>2.58J<br>14.88J<br>4.1<br>156   
  | N/A           I.9           132 <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.007<br/>0.001 U<br/>21<br/>0.01 U<br/>0.07<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.001 U<br/>3.1<br/>18<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.01U<br/>0.01U<br/>0.001 U<br/>0.001 U</th> <th>0.007<br/>0.007J+<br/>0.001U<br/>22<br/>0.001U<br/>5<br/>0.029<br/>0.001U<br/>2.9<br/>0.001U<br/>2.9<br/>1.8<br/>0.005U<br/>0.01R<br/>2.35U<br/>2.25U<br/>2.26J<br/>2.26J<br/>2.26J<br/>2.26J<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20<br/>1.20</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.1U<br/>0.001U<br/>11<br/>0.001<br/>0.001<br/>0.001<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.01U<br/>2.37U<br/>4.38J<br/>5.15J<br/>21.5J<br/>2.260U<br/>4.75J<br/>26.25J<br/>26.25J</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A           N/A           A.73J           18.4J           2.0           -109</th> <th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.001 U<br/>7.9<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.005U<br/>0.10<br/>2.18U<br/>2.82J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>1.77J</th> <th>0.049J+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/>0.55<br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.005U<br/>2.38U<br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>22.5J<br/>1.6<br/>-149</th> <th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>13.4J<br/>123<br/>66.4<br/>340<br/>19.8<br/>163<br/>163<br/>503<br/>-136</th> <th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/><b>0.39</b><br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636</th> <th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.001 U<br/>18<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005 U<br/>0.010<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>141<br/>1.5<br/>-130</th> <th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A</th> <th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>43<br/>0.005U<br/>2.4<br/>4<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.2</th> <th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.01U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J<br/>2.214G<br/>17.3J<br/>2.246J</th> <th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/></th> <th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>12<br/><br/>4<br/>8</th> | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.01 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.001 U<br>3.1<br>18<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.001 U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.001 U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.001 U<br>0.01U<br>0.001 U<br>0.01U<br>0.01U<br>0.001 U<br>0.01U<br>0.01U<br>0.001 U<br>0.001 U |
0.007<br>0.007J+<br>0.001U<br>22<br>0.001U<br>5<br>0.029<br>0.001U<br>2.9<br>0.001U<br>2.9<br>1.8<br>0.005U<br>0.01R<br>2.35U<br>2.25U<br>2.26J<br>2.26J<br>2.26J<br>2.26J<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20 | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>0.001<br>0.001<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.01U<br>2.37U<br>4.38J<br>5.15J<br>21.5J<br>2.260U<br>4.75J<br>26.25J<br>26.25J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A           A.73J           18.4J           2.0           -109  
  | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.005U<br>0.10<br>2.18U<br>2.82J<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>1.77J   | 0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.005U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>22.5J<br>1.6<br>-149  | 0.044<br>0.001 U<br>50<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>13.4J<br>123<br>66.4<br>340<br>19.8<br>163<br>163<br>503<br>-136  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br><b>0.39</b><br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.001 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.010<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>141<br>1.5<br>-130   | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A<br>N/A      | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>4<br>43<br>0.005U<br>2.4<br>4<br>43<br>0.005U<br>2.4<br>4<br>43<br>0.005U<br>2.4<br>4<br>43<br>0.005U<br>2.4<br>4<br>43<br>0.005U<br>2.4<br>4<br>1.24<br>1.24<br>1.24<br>1.24<br>1.24<br>1.24<br>1.2 | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J<br>2.214G<br>17.3J<br>2.246J   | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8<br>   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br>0<br><br>12<br><br>12<br><br>12<br><br>4<br>8  |
| Total Antimony<br>Total Arsenic<br>Total Baryllium<br>Total Beryllium<br>Total Calcium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Sodium<br><b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorobutanesulfonic acid (PFHxS)<br>Perfluorobetanoic acid (PFDA)<br>Perfluorooctanoic acid (PFDA)<br>Perfluorooctanesulfonic acid (PFNA)<br>Perfluorooctanesulfonic (PFOS)<br>Combination of PFOA and PFOS<br><b>FIELD PARAMETERS</b><br>Dissolved Oxygen (mg/l)<br>Oxidation Reduction Potential (mV)<br>pH (standard units)   | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br>  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0 | 0.001 0<br>0.003<br>0.003 U<br>0.001 U<br>0.001 U<br>0.22<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.005 U<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>27.9<br>41.4<br><b>192</b><br>2.12U<br>30.1<br><b>222.1</b><br><b>205</b><br>0.07<br><b>192</b><br><b>192</b><br><b>205</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>192</b><br><b>193</b><br><b>193</b><br><b>193</b><br><b>193</b><br><b>194</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>195</b><br><b>19</b> | 0.001 U           0.003           0.034J+           0.001 U           4.9           0.001 U           0.2           0.001 U           3           0.053           0.005 U           3           0.053           0.006           5.8           250           0.005 U           0.005 U           0.01U           31.8           36.6           136           2.34U           34.7           170.7           1.1           -124           7.9                               | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A           I.4           25           6.8   
   
   | 0.001 0<br>0.043<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>80.4<br>2.93J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>1.6<br>-73<br>6.9   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>20<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130.3J<br>1.7<br>-87<br>6.9   | N/A           I.130           5.64           5.3  
  | N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.001 U<br>4.8<br>0.005 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005 U<br>0.001 U<br>0.005   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U<br>0.0   | N/A           ID.31           ID.32   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>6.49J<br>  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>0.001
U<br>2.9<br>1.05<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.029<br>0.269<br>0.2269<br>0.2269<br>1.220<br>1.220<br>1.220<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1                                       | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.01U<br>0.005U<br>0.01U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.001U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U<br>0.005U | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A           Solution           Solution           Solution           Solution           Solution <t< th=""><th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.001 U<br/>7.9<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.005U<br/>2.18U<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>1.00<br/>-173<br/>8.0</th><th>0.049J+<br/>0.049J+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/><b>0.55</b><br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.005U<br/>0.005U<br/>2.38U<br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>2.55J<br/>1.6<br/>-149<br/>7.5</th><th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>130<br/>0.005 U<br/>132<br/>66.4<br/>123<br/>66.4<br/>19.8<br/>163<br/>163<br/>163<br/>163<br/>163<br/>163<br/>163<br/>163</th><th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/><b>0.39</b><br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636<br/>636</th><th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.41<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005 U<br/>0.005 U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>1.5<br/>-130<br/>7.4</th><th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A</th><th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>44<br/>0.005U<br/>2.4<br/>44<br/>0.005U<br/>2.4<br/>44<br/>0.005U<br/>2.4<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24<br/>1.24</th><th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>2.70<br/>0.005U<br/>0.01U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J<br/>2.2.46J<br/>6.0<br/>72<br/>6.8</th><th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/></th><th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/>0<br/><br/><br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/>12<br/></th></t<>  
  | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>0.005U<br>2.18U<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>1.00<br>-173<br>8.0  | 0.049J+<br>0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002<br>8.6<br>300<br>0.005U<br>0.005U<br>0.005U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>2.55J<br>1.6<br>-149<br>7.5                   | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>130<br>0.005 U<br>132<br>66.4<br>123<br>66.4<br>19.8<br>163<br>163<br>163<br>163<br>163<br>163<br>163<br>163  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br><b>0.39</b><br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636<br>636   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.005 U<br>0.01U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>1.5<br>-130<br>7.4                                       | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A<br>N/A                        | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>44<br>0.005U<br>2.4<br>44<br>0.005U<br>2.4<br>44<br>0.005U<br>2.4<br>1.24<br>1.24<br>1.24<br>1.24<br>1.24<br>1.24<br>1.24       | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>2.70<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J<br>2.2.46J<br>6.0<br>72<br>6.8  | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8<br><br><br><br><br>   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br>0<br><br><br><br>12<br><br>12<br><br>4<br>8<br><br>12<br>  |
| Total Antimony Total Arsenic Total Baryllium Total Beryllium Total Calcium Total Calcium Total Chromium Total Iron Total Lead Total Magnesium Total Magnese Total Nickel Total Potassium Total Sodium Total Sodium <b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b> Perfluorobutanesulfonic acid (PFHA) Perfluorobutanesulfonic acid (PFHA) Perfluoroctanoic acid (PFNA) Perfluoroctanoic acid (PFNA) Perfluoroctanesulfonic (PFOS) Combination of PFOA and PFOS <b>FIELD PARAMETERS</b> Dissolved Oxygen (mg/l) Oxidation Reduction Potential (mV) pH (standard units) Specific Conductance (us/cm)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br><br>70<br><br>70<br><br>70<br><br>70<br>70<br>70<br>70  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br>70<br>70<br>70<br>70<br>70<br>70              | 0.001 0<br>0.003<br>0.003 U<br>0.001 U<br>0.001 U<br>0.22<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>200<br>0.007<br>6.4<br>227.9<br>41.4<br><b>192</b><br>2.12U<br>30.1<br><b>222.1</b><br><b>0.7</b><br>-164<br>8.0<br>1135  | 0.001 U           0.003           0.034J+           0.001 U           4.9           0.001 U           0.2           0.001 U           3           0.053           0.005 U           3           0.053           0.006           5.8           250           0.005 U           0.01U           11.0J           31.8           36.6           136           2.34U           34.7           1.11           -124           7.9           1086                                 | N/A           N/A | N/A           I.14           25           6.8  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>80.4<br>2.93J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>1.6<br>-73<br>6.9<br>325   | 0.001 0<br>0.002<br>0.073J+<br>0.001 U<br>20<br>0.001 U<br>20<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.005 U<br>0.005 U<br>0.001R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130J<br>1.7<br>-87<br>6.9<br>439  | N/A           I.130           5.64           160  <   
  | N/A           S.52J           3.09J           1.76J           7.72J </th <th>0.001 U<br/>0.003<br/>0.001 U<br/>17<br/>0.001 U<br/>0.05 U<br/>0.001 U<br/>4.8<br/>0.005 U<br/>0.01<br/>2.1<br/>10<br/>0.005 U<br/>0.01<br/>0.01<br/>2.1<br/>10<br/>0.005
U<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.05<br/>0.01<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.01<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.05<br/>0.0</th> <th>0.001 U<br/>0.003J+<br/>0.001 U<br/>18<br/>0.001 U<br/>5.5<br/>0.005 U<br/>0.002<br/>2.1<br/>10<br/>0.005 U<br/>0.005 U<br/>0.005</th> <th>N/A           N/A           I.10.31           2.00U           2.84J     <!--</th--><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>0.007<br/>0.001 U<br/>21<br/>0.001 U<br/>0.07<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>2.15U<br/>2.15U<br/>2.54U<br/>1.76J<br/>3.96J<br/>2.05U<br/>2.53J<br/>6.49J<br/>7.7<br/>-128<br/>8.0<br/>200</th><th>0.007<br/>0.007J+<br/>0.001 U<br/>22<br/>0.001 U<br/>5<br/>0.029<br/>0.001 U<br/>2.9<br/>0.001 U<br/>2.9<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.</th><th>N/A           N/A           N/A</th><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.1U<br/>0.001U<br/>11<br/>0.091<br/>0.001<br/>6.2<br/>39<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.01U<br/>4.38J<br/>5.15J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.6.25J</th><th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>N/A           N/A           A.331           18.4J           2.0           -109</th><th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>7.9<br/>0.001 U<br/>7.9<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>2.18U<br/>2.85U<br/>14.0J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>1.00<br/>-173<br/>8.00<br/>1551</th><th>0.049J+<br/>0.049J+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/><b>0.55</b><br/>0.002<br/>8.6<br/>300<br/>0.005U<br/><b>0.01U</b><br/><b>2.38U</b><br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>2.55J<br/><b>1.6</b><br/>-149<br/>7.5<br/>1899</th><th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>13.41<br/>132<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>123<br/>66.4<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123</th><th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/>0.39<br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8</th><th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.01 U<br/>18<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>7.8<br/>0.005 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>1.5<br/>-130<br/>7.4<br/>847</th><th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A<br/>N/A</th><th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>1.4<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U</th><th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>4.4<br/>2.770<br/>0.005U<br/>0.01U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>1.7.3J<br/>2.2.46J<br/>6.0<br/>72<br/>6.8<br/>1830</th><th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/></th><th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th></th> | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>0.01<br>2.1<br>10<br>0.005
U<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.05<br>0.01<br>0.01<br>0.05<br>0.01<br>0.05<br>0.01<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.0 | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005   | N/A           I.10.31           2.00U           2.84J </th <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.007<br/>0.001 U<br/>21<br/>0.001 U<br/>0.07<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>2.15U<br/>2.15U<br/>2.54U<br/>1.76J<br/>3.96J<br/>2.05U<br/>2.53J<br/>6.49J<br/>7.7<br/>-128<br/>8.0<br/>200</th> <th>0.007<br/>0.007J+<br/>0.001 U<br/>22<br/>0.001 U<br/>5<br/>0.029<br/>0.001 U<br/>2.9<br/>0.001 U<br/>2.9<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.01<br/>0.</th> <th>N/A           N/A           N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.1U<br/>0.001U<br/>11<br/>0.091<br/>0.001<br/>6.2<br/>39<br/>0.005U<br/>0.005U<br/>0.005U<br/>0.01U<br/>4.38J<br/>5.15J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.6.25J</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A           N/A           A.331           18.4J           2.0           -109</th> <th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>7.9<br/>0.001 U<br/>7.9<br/>0.27<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>2.18U<br/>2.85U<br/>14.0J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>1.00<br/>-173<br/>8.00<br/>1551</th> <th>0.049J+<br/>0.049J+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/><b>0.55</b><br/>0.002<br/>8.6<br/>300<br/>0.005U<br/><b>0.01U</b><br/><b>2.38U</b><br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>2.55J<br/><b>1.6</b><br/>-149<br/>7.5<br/>1899</th> <th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>13.41<br/>132<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>123<br/>66.4<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123</th> <th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/>0.39<br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8<br/>8</th> <th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.01 U<br/>18<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>7.8<br/>0.005 U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>1.5<br/>-130<br/>7.4<br/>847</th> <th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A<br/>N/A</th> <th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>1.4<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U<br/>1.14U<br/>1.74J<br/>2.22U</th> <th>0.042J+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>4.4<br/>2.770<br/>0.005U<br/>0.01U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>1.7.3J<br/>2.2.46J<br/>6.0<br/>72<br/>6.8<br/>1830</th> <th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/></th> <th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th>  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>0.07<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>6.49J<br>7.7<br>-128<br>8.0<br>200   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>0.001 U<br>2.9<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.                             | N/A           N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.1U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>0.005U<br>0.01U<br>4.38J<br>5.15J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.6.25J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A           A.331           18.4J           2.0           -109   
   | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>7.9<br>0.001 U<br>7.9<br>0.27<br>0.002<br>6.6<br>260<br>0.005U<br>2.18U<br>2.85U<br>14.0J<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>1.00<br>-173<br>8.00<br>1551  | 0.049J+<br>0.049J+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br><b>0.55</b><br>0.002<br>8.6<br>300<br>0.005U<br><b>0.01U</b><br><b>2.38U</b><br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>2.55J<br><b>1.6</b><br>-149<br>7.5<br>1899 | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>13.41<br>132<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>123<br>66.4<br>123<br>123<br>123<br>123<br>123<br>123<br>123<br>123   | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8<br>8 | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.01 U<br>18<br>0.007<br>5.8<br>130<br>0.005 U<br>7.8<br>0.005 U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>1.5<br>-130<br>7.4<br>847 | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A<br>N/A<br>N/A                 | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>1.4<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.14U<br>1.74J<br>2.22U<br>1.14U<br>1.74J<br>2.22U<br>1.14U<br>1.74J<br>2.22U<br>1.14U<br>1.74J<br>2.22U<br>1.14U<br>1.74J<br>2.22U  | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.001U<br>4.4<br>2.770<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>1.7.3J<br>2.2.46J<br>6.0<br>72<br>6.8<br>1830              | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8<br><br><br><br><br>   | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>                            |
| Total Antimony<br>Total Arsenic<br>Total Barium<br>Total Beryllium<br>Total Calcium<br>Total Calcium<br>Total Chromium<br>Total Iron<br>Total Iron<br>Total Magnesium<br>Total Magnese<br>Total Nickel<br>Total Potassium<br>Total Sodium<br>Total Sodium<br>Total Sodium<br><b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b><br>Perfluorobutanesulfonic acid (PFBS)<br>Perfluorobutanesulfonic acid (PFHA)<br>Perfluorobetanoic acid (PFNA)<br>Perfluoroctanoic acid (PFNA)<br>Perfluoroctanoic acid (PFNA)<br>Perfluoroctanesulfonic (PFOS)<br>Combination of PFOA and PFOS<br><b>FIELD PARAMETERS</b><br>Dissolved Oxygen (mg/l)<br>Oxidation Reduction Potential (mV)<br>pH (standard units)<br>Specific Conductance (us/cm)<br>Temperature (degrees Celcius) | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br>0.26<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br> | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br><br>70<br>70<br>70<br>70<br>70<br>70                                 | 0.001 0<br>0.003<br>0.003 0<br>0.001 0<br>5.4<br>0.001 0<br>0.22<br>0.001 0<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.001<br>0.001 0<br>0.001 0<br>0.01 0<br>0.022<br>0.001 0<br>0.022<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>220<br>0.007<br>6.4<br>227.9<br>41.4<br><b>192</b><br>2.120<br>30.1<br><b>222.1</b><br>0.7<br>-164<br>8.0<br>1135<br>9   | 0.001 U           0.003           0.034J+           0.001 U           4.9           0.001 U           0.2           0.001 U           3           0.053           0.005 U           3           0.053           0.005 U           5.8           250           0.005 U           0.01U           11.0J           31.8           36.6           136           2.34U           34.7           170.7           1.11           -1224           7.9           1086           14 | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A           I.14           12           6.8           683  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.005 U<br>0.1U<br>2.40J<br>21.9<br>8.49J<br>8.49J<br>80.4<br>2.93J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>14.0<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15.2<br>15 | 0.001 0<br>0.003 0<br>0.073]+<br>0.001 U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.005 U<br>0.01R<br>4.96J<br>40.8<br>15.2J<br>110<br>7.73J<br>20.3J<br>130.3J<br>1.7<br>-87<br>6.9<br>439<br>13  | N/A           A.06J           S.3           142           6.4           160   
  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A   
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.05<br>0.01<br>0.01<br>0.01<br>0.05<br>0.01<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.05<br>0.0 | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.002<br>2.1<br>10<br>0.005 U<br>0.005 U   | N/A           10.3J           2.00U           2.84J           1.9           1.322 </th <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.007<br/>0.001 U<br/>21<br/>0.001 U<br/>21<br/>0.004<br/>4.5<br/>0.016<br/>0.001 U<br/>3.1<br/>18<br/>0.005 U<br/>3.1<br/>18<br/>0.005 U<br/>2.15U<br/>2.15U<br/>2.54U<br/>1.76J<br/>3.96J<br/>2.05U<br/>2.53J<br/>6.49J<br/>0.7<br/>-128<br/>8.0<br/>200<br/>10</th> <th>0.007<br/>0.007J+<br/>0.001 U<br/>22<br/>0.001 U<br/>5<br/>0.029<br/>0.001 U<br/>2.9<br/>0.001 U<br/>2.9<br/>1.05<br/>0.029<br/>0.021<br/>2.9<br/>0.001 U<br/>2.9<br/>0.001 U<br/>2.9<br/>0.001
U<br/>2.9<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021<br/>0.021</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.058J+<br/>0.001U<br/>17<br/>0.001U<br/>0.001U<br/>11<br/>0.001<br/>6.2<br/>39<br/>0.005U<br/>0.001U<br/>6.2<br/>39<br/>0.005U<br/>0.01U<br/>4.38J<br/>5.15J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.26U<br/>4.75J<br/>2.6.25J</th> <th>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>N/A           N/A           Scill           22.01           2.0           -1009     <th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.001 U<br/>7.9<br/>0.001 U<br/>7.9<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.005U<br/>2.82J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>17.77J<br/>1.00<br/>1.77J<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07</th><th>0.049)+<br/>0.049)+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/>0.55<br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.01U<br/>2.38U<br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>25.5J<br/>1.6<br/>-149<br/>7.5<br/>1899<br/>14</th><th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>7<br/>13.4J<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>130<br/>123<br/>66.4<br/>123<br/>130<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123</th><th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/>0.39<br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th><th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.41<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005 U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>361<br/>1.5<br/>-130<br/>7.4<br/>847<br/>13</th><th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A<br/>N/A</th><th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.33U<br/>2.75U<br/>1.24U<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.14<br/>4.4<br/>1.4<br/>4.41<br/>8.9<br/>203<br/>14</th><th>0.042)+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J<br/>22.46J<br/>6.0<br/>72<br/>6.8<br/>1830<br/>14</th><th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/>12<br/><br/>12<br/><br/>12<br/><br/><br/>12<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th><th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th></th>   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>21<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>6.49J<br>0.7<br>-128<br>8.0<br>200<br>10  
  | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>0.001 U<br>2.9<br>1.05<br>0.029<br>0.021<br>2.9<br>0.001 U<br>2.9<br>0.001 U<br>2.9<br>0.001 U<br>2.9<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021<br>0.021  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.001U<br>11<br>0.001<br>6.2<br>39<br>0.005U<br>0.001U<br>6.2<br>39<br>0.005U<br>0.01U<br>4.38J<br>5.15J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.26U<br>4.75J<br>2.6.25J  | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A           Scill           22.01           2.0           -1009 <th>0.03<br/>0.03<br/>0.001 U<br/>28<br/>0.001 U<br/>0.79<br/>0.001 U<br/>7.9<br/>0.001 U<br/>7.9<br/>0.002<br/>6.6<br/>260<br/>0.005U<br/>0.005U<br/>2.82J<br/>2.85J<br/>14.0J<br/>2.08U<br/>3.77J<br/>17.77J<br/>1.00<br/>1.77J<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07<br/>1.07</th> <th>0.049)+<br/>0.049)+<br/>0.001 U<br/>22<br/>0.001 U<br/>2.8<br/>0.001 U<br/>8.4<br/>0.55<br/>0.002<br/>8.6<br/>300<br/>0.005U<br/>0.01U<br/>2.38U<br/>4.14J<br/>4.34J<br/>14.7J<br/>2.27U<br/>10.8J<br/>25.5J<br/>1.6<br/>-149<br/>7.5<br/>1899<br/>14</th> <th>0.044<br/>0.001 U<br/>50<br/>0.001 U<br/>3.8<br/>0.001 U<br/>19<br/>0.42<br/>0.007<br/>6.3<br/>130<br/>0.005 U<br/>7<br/>13.4J<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>66.4<br/>123<br/>130<br/>123<br/>66.4<br/>123<br/>130<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123<br/>123</th> <th>0.042<br/>0.001 U<br/>47<br/>0.001 U<br/>3.5<br/>0.001 U<br/>18<br/>0.39<br/>0.007<br/>6.1<br/>130<br/>0.005 U<br/>0.1U<br/>0.1U<br/>14.9J<br/>140<br/>64.1<br/>425<br/>23.4<br/>211<br/>636<br/>N/A<br/>N/A<br/>N/A<br/>N/A</th> <th>0.012<br/>0.039J+<br/>0.001 U<br/>45<br/>0.001 U<br/>3.6<br/>0.001 U<br/>18<br/>0.41<br/>0.007<br/>5.8<br/>130<br/>0.005 U<br/>0.005
U<br/>0.01U<br/>0.01U<br/>10.2J<br/>90.9<br/>37<br/>220<br/>22.4<br/>141<br/>361<br/>1.5<br/>-130<br/>7.4<br/>847<br/>13</th> <th>0.012<br/>0.04J+<br/>0.001 U<br/>47<br/>0.001 U<br/>19<br/>0.43<br/>0.007<br/>6<br/>130<br/>0.005 U<br/>0.01U<br/>0.01U<br/>9.88J<br/>96.4<br/>43.1<br/>226<br/>26.4<br/>145<br/>371<br/>N/A<br/>N/A<br/>N/A</th> <th>0.003J+<br/>0.003J+<br/>0.001U<br/>2.4<br/>0.001U<br/>1<br/>0.6<br/>0.022<br/>0.001U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.4<br/>43<br/>0.005U<br/>2.33U<br/>2.75U<br/>1.24U<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.11U<br/>1.74J<br/>2.22U<br/>1.14<br/>4.4<br/>1.4<br/>4.41<br/>8.9<br/>203<br/>14</th> <th>0.042)+<br/>0.001U<br/>85<br/>0.001U<br/>0.1U<br/>0.001U<br/>13<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>4.4<br/>270<br/>0.005U<br/>0.001U<br/>2.37J<br/>2.73U<br/>1.24U<br/>5.16J<br/>2.21U<br/>17.3J<br/>22.46J<br/>6.0<br/>72<br/>6.8<br/>1830<br/>14</th> <th>4<br/><br/>0<br/><br/>0<br/><br/>7<br/>0<br/><br/>7<br/>0<br/><br/>0<br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/>12<br/><br/>12<br/><br/>12<br/><br/><br/>12<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th> <th>0<br/>0<br/><br/>0<br/><br/>0<br/>0<br/>0<br/><br/><br/>12<br/><br/>12<br/><br/>4<br/>8<br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/><br/></th> | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.001 U<br>7.9<br>0.002<br>6.6<br>260<br>0.005U<br>0.005U<br>2.82J<br>2.85J<br>14.0J<br>2.08U<br>3.77J<br>17.77J<br>1.00<br>1.77J<br>1.07<br>1.07<br>1.07<br>1.07<br>1.07<br>1.07<br>1.07<br>1.07  | 0.049)+<br>0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>0.01U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>25.5J<br>1.6<br>-149<br>7.5<br>1899<br>14                       | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>7<br>13.4J<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>66.4<br>123<br>130<br>123<br>66.4<br>123<br>130<br>123<br>123<br>123<br>123<br>123<br>123<br>123<br>123 | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636<br>N/A<br>N/A<br>N/A<br>N/A   | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>0.01U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>361<br>1.5<br>-130<br>7.4<br>847<br>13                              | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.01U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A<br>N/A<br>N/A                 | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.33U<br>2.75U<br>1.24U<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.14<br>4.4<br>1.4<br>4.41<br>8.9<br>203<br>14  | 0.042)+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.001U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J<br>22.46J<br>6.0<br>72<br>6.8<br>1830<br>14           | 4<br><br>0<br><br>0<br><br>7<br>0<br><br>7<br>0<br><br>0<br><br>12<br><br>12<br><br>4<br>8<br><br>12<br><br>12<br><br>12<br><br><br>12<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>       | 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| Total Antimony Total Arsenic Total Barium Total Barium Total Beryllium Total Calcium Total Calcium Total Chromium Total Lead Total Magnesium Total Nickel Total Nickel Total Potassium Total Sodium Total Sodium <b>PER- &amp; POLY-FLUORINATED ALKYL SUBSTA</b> Perfluorobutanesulfonic acid (PFBS) Perfluorobutanesulfonic acid (PFHA) Perfluoronanoic acid (PFNA) Perfluoroctanesulfonic (PFOS) Combination of PFOA and PFOS <b>FIELD PARAMETERS</b> Dissolved Oxygen (mg/l) Oxidation Reduction Potential (mV) pH (standard units) Specific Conductance (us/cm) Turbidity (NTU)  | 0.006<br>0.01<br><br>0.004<br><br>0.015<br><br>0.015<br><br>0.3<br>0.1<br><br>0.26<br><br>0.26<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br>70<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>  | 0.006<br>0.01<br>2<br>0.004<br><br>0.1<br><br>0.15<br><br>0.84<br>0.1<br><br><br>0.84<br>0.1<br><br><br><br>70<br>70<br>70<br>70<br>70<br>70<br>70<br>70                     | 0.001 0<br>0.003<br>0.038<br>0.001 U<br>5.4<br>0.001 U<br>0.22<br>0.001 U<br>3.3<br>0.059<br>0.007<br>6.4<br>220<br>0.005 U<br>0.10<br>37 - (ng/L<br>13.2]<br>27.9<br>4.14<br>192<br>2.12U<br>30.1<br>22.1<br>0.7<br>-164<br>8.0<br>1.135<br>9<br><5  | 0.001 0       0.003       0.034J+       0.001 U       4.9       0.001 U       0.2       0.001 U       3       0.053       0.006       5.8       250       0.005 U       0.005 U       11.0J       31.8       36.6       136       2.34U       34.7       170.7       7.9       1086       14       <5   | N/A           N/A | N/A           Stationary           Stationary           Stationary           St  
   
   | 0.001 0<br>0.001<br>0.043<br>0.001 U<br>9.2<br>0.001 U<br>4.1<br>0.001 U<br>5.2<br>0.45<br>0.004<br>5.1<br>58<br>0.004<br>5.1<br>58<br>0.004<br>5.1<br>58<br>0.005 U<br>2.40J<br>2.40J<br>2.19<br>8.49J<br>8.49J<br>8.49J<br>8.49J<br>13.0J<br>93.4J<br>13.0J<br>93.4J<br>6.9<br>3.25<br>8<br><5   | 0.001 0<br>0.002<br>0.0731+<br>0.001U<br>20<br>0.001 U<br>6.8<br>0.001 U<br>10<br>0.45<br>0.004<br>7.2<br>79<br>0.005 U<br>0.004<br>7.2<br>79<br>0.005 U<br>0.004<br>7.2<br>79<br>0.005 U<br>0.010<br>10<br>0.45<br>0.001 U<br>10<br>0.45<br>0.001 U<br>10<br>0.45<br>0.005 U<br>0.005 U<br>0.003 U<br>0.005 U<br>0.003 U<br>0.005 U<br>0.003 U<br>0.005 U<br>0.003 U<br>0.005 U<br>0.003 U<br>10<br>0.005 U<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.05<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5<br>10<br>0.5   | N/A           A.06J           S.3           142           6.4           160   
  | N/A  
   
  | 0.001 U<br>0.003<br>0.001 U<br>17<br>0.001 U<br>0.05 U<br>0.001 U<br>4.8<br>0.005 U<br>0.01<br>2.1<br>10<br>0.005 U<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.05 U<br>0.01<br>0.01<br>0.01<br>0.05 U<br>0.01<br>0.01<br>0.01<br>0.05 U<br>0.01<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.01<br>0.05 U<br>0.05 U<br>0   | 0.001 U<br>0.003J+<br>0.001 U<br>18<br>0.001 U<br>5.5<br>0.005 U<br>0.002<br>2.1<br>10<br>0.002<br>2.1<br>10<br>0.002<br>0.002<br>0.002<br>2.1<br>10<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002<br>0.002 | N/A           10.3J           200U           2.84J           13.14J           1.9           132.5  
   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.007<br>0.001 U<br>21<br>0.001 U<br>21<br>0.004<br>4.5<br>0.016<br>0.001 U<br>3.1<br>18<br>0.005 U<br>3.1<br>18<br>0.005 U<br>2.15U<br>2.15U<br>2.54U<br>1.76J<br>3.96J<br>2.05U<br>2.53J<br>6.49J<br>0.7<br>-128<br>8.0<br>200<br>10<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-128<br>-5<br>-5<br>-128<br>-5<br>-5<br>-5<br>-5<br>-5<br>-5<br>-5<br>-5<br>-5<br>-5   | 0.007<br>0.007J+<br>0.001 U<br>22<br>0.001 U<br>5<br>0.029<br>0.001 U<br>2.9<br>18<br>0.005 U<br>2.9<br>18<br>0.005
U<br>2.9<br>0.01R<br>0.01R<br>0.01R<br>0.01R<br>2.35U<br>2.26J<br>2.26J<br>2.26J<br>2.26J<br>2.26J<br>2.26J<br>1.12U<br>2.26J<br>3.26J<br>2.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.26J<br>3.   | N/A           N/A | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.058J+<br>0.001U<br>17<br>0.001U<br>0.001U<br>11<br>0.091<br>0.001<br>6.2<br>39<br>0.005U<br>0.005U<br>0.01U<br>2.37U<br>4.38J<br>5.15J<br>21.5J<br>21.5J<br>21.5J<br>21.5J<br>21.5J<br>22.6CU<br>4.75J<br>26.25J<br>1.8<br>-73<br>366<br>12<br><5   | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | N/A           Italia  
  | 0.03<br>0.03<br>0.001 U<br>28<br>0.001 U<br>0.79<br>0.001 U<br>7.9<br>0.002<br>6.6<br>260<br>0.005U<br>2.18U<br>2.82J<br>2.83J<br>14.0J<br>2.08U<br>3.77J<br>17.77J<br>1.0<br>0.1551<br>1.11<br>< 5  | 0.049)+<br>0.049)+<br>0.001 U<br>22<br>0.001 U<br>2.8<br>0.001 U<br>8.4<br>0.55<br>0.002<br>8.6<br>300<br>0.005U<br>2.38U<br>4.14J<br>4.34J<br>14.7J<br>2.27U<br>10.8J<br>25.5J<br>1.6<br>-149<br>7.5<br>1.899<br>14<br>4.4                        | 0.044<br>0.001 U<br>50<br>0.001 U<br>3.8<br>0.001 U<br>19<br>0.42<br>0.007<br>6.3<br>130<br>0.005 U<br>0.10<br>13.4J<br>123<br>66.4<br>340<br>19.8<br>163<br>503<br>163<br>503<br>163<br>503<br>163<br>503<br>163<br>503<br>163<br>503<br>163<br>503<br>163<br>163<br>163<br>163<br>163<br>163<br>163<br>16  | 0.042<br>0.001 U<br>47<br>0.001 U<br>3.5<br>0.001 U<br>18<br>0.39<br>0.007<br>6.1<br>130<br>0.005 U<br>0.1U<br>0.1U<br>14.9J<br>140<br>64.1<br>425<br>23.4<br>211<br>636<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A  | 0.012<br>0.039J+<br>0.001 U<br>45<br>0.001 U<br>3.6<br>0.001 U<br>18<br>0.41<br>0.007<br>5.8<br>130<br>0.005 U<br>0.001 U<br>10.2J<br>90.9<br>37<br>220<br>22.4<br>141<br>361<br>1.5<br>-130<br>7.4<br>847<br>13<br><5  | 0.012<br>0.04J+<br>0.001 U<br>47<br>0.001 U<br>19<br>0.43<br>0.007<br>6<br>130<br>0.005 U<br>0.005 U<br>0.01U<br>9.88J<br>96.4<br>43.1<br>226<br>26.4<br>145<br>371<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | 0.003J+<br>0.003J+<br>0.001U<br>2.4<br>0.001U<br>1<br>0.001U<br>1<br>0.001U<br>0.6<br>0.022<br>0.001U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.4<br>43<br>0.005U<br>2.7<br>1.24U<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.11U<br>1.74J<br>2.22U<br>1.14<br>4.4<br>8.9<br>203<br>14<br>9   | 0.042J+<br>0.001U<br>85<br>0.001U<br>0.1U<br>0.001U<br>13<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.001U<br>4.4<br>270<br>0.005U<br>0.01U<br>2.37J<br>2.73U<br>1.24U<br>5.16J<br>2.21U<br>17.3J<br>22.46J<br>6.0<br>72<br>6.8<br>1830<br>14<br>4<br><5 | 4<br><br>0<br><br>0<br><br>0<br><br>0<br><br>0<br><br>12<br><br>12<br><br>12<br><br>4<br>8<br><br>12<br><br><br>12<br><br><br>12<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br> | 0<br>0<br><br>0<br><br>0<br>0<br>0<br><br><br><br>12<br><br>4<br>8<br>8<br><br>12<br><br>12<br><br>12<br>  |

#### Summary of 2016 Groundwater Analytical Data

#### Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire

#### NOTES

- Monitored Zone / Unit identifies the hydrogeological unit within the screened/open interval. The hydrogeology of the site is comprised of four principle geological units include including bedrock, glacial till, marine sediments consisting of predominately of silt and clay, and sandy outwash. Bedrock well screened intervals vary as follows: "OBH-BR" wells are standard 6-inch diameter wells with steel casing set in bedrock and open boreholes (typical water supply well construction). "SBR" indicates the screen interval is the upper most section of bedrock. "DBR" is used to differentiate a screened interval that is below the uppermost section of bedrock (i.e.; MW-5S versus MW-5D).
- 2. Bolded values denote concentration exceeding the EPA Cleanup Level (CL)
- 3. Shaded values denote concentration exceeding the NHDES Ambient Groundwater Quality Standard
- 4. The list of volatile organic compounds (VOCs) provided includes analytes detected in OU-1 or OU-2 since 2006, and all VOCs that have ICLs. ICLs were established for 1,2-dichloropropane and tetrachloroethylene (PCE), however, no detections have been reported at groundwater sampling points included in the long-term monitoring events since 1998. An ICL was established for trans-1,2-dichloroethene however no detections have been reported at groundwater sampling points included in the long-term monitoring events since 1998.
- 5. An ICL was established for the semi-volatile organic compounds (SVOCs) diethyl phthalate and phenol. However, in May 1998 and April 1999, groundwater samples were submitted for analysis of SVOCs and no exceedances were reported; therefore, SVOCs were removed from the long-term monitoring plan.
- 6. Result for groundwater primary/duplicate samples are provided in this table: MW-4/MW-4-DUP, AE-3A/AE-3A-DUP, and GZ-105/GZ-105-DUP.

#### ABBREVIATIONS

N/A	Sample was not analyzed/measured for indicated parameter										
R	Sample rejected based on data vadation										
J	Estimated concentration										
J+	Estimated high										
J-	Estimated low										
#.## U	Not Detected at the reporting detection limit indicated										
UJ	Undetected estimated										
NHDES AGQS	NH Department of Environmental Services Ambient Groundwater Quality Standard (Env-Or-600, Table 600-1)										
EPA CL	US Environmental Protection Agency Cleanup Level established in 2015 Fifth Explanation of Significant Difference. Cleanup										
	Levels were historically called Interium Cleanup Levels.										
uS/cm	microsiemens per centimeter										
ug/L	micrograms per liter, parts per billion										
mg/L	milligram per liter, parts per million										
ng/L	nanograms per liter, parts per										
NTU	nephelometric turbidity unit										
mV	millivolt										
*	Field parameter result qualified due to failed QA/QC or suspected issues with measurements, as noted on field forms and										
۸	The AGQS for xylenes is for total xylene or the sum of all isomers, including: m&p-Xylene and o-Xylene.										



## SUMMARY OF OFF-SITE WATER SUPPLY WELL MONITORING RESULTS

# TABLE 3 Summary of Analytical Results for Off-Site Water Supply Wells Coakley Landfill - North Hampton, New Hampshire

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	339 BHR	339 BHR	339 BHR	346 BHR	346 BHR	346 BHR	415 BHR	415 BHR	415 BHR	R-3	R-3 Dup	R-3	R-3 Dup	R-3	R-3 DUP	67 RCD	67 RCD	67 RCD
DATE SAMPLED	CL	AGQS	MCL	26-May-16	27-Jan-17	21-Sep-17	26-May-16	27-Jan-17	21-Sep-17	25-May-16	27-Jan-17	12-Sep-17	1-Jun-16	1-Jun-16	24-Jan-17	24-Jan-17	14-Sep-17	14-Sep-17	26-May-16	26-Jan-17	12-Sep-17
VOLATILE ORGANIC COMPOUNDS														•							
Methyl tert-butyl ether (ug/L)	-	13	-	< 0.05	<0.5	<0.5	< 0.05	<0.005	<0.5	< 0.05	<0.005	<0.5	<0.05	< 0.05	< 0.005	<0.005	< 0.5	<0.5	NA	NA	NA
Toluene (ug/L)	-	1000	1000	< 0.05	<0.05	<0.5	< 0.05	< 0.005	<0.5	< 0.05	< 0.005	<0.5	<0.05	< 0.05	< 0.005	<0.005	< 0.5	<0.5	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	0.51	0.35	0.54	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.3	0.34	0.33	0.34	0.28	0.32	<0.25	<0.25	<0.25
<b>IETALS</b>																					
Arsenic, total (mg/L)	0.01	0.01	0.01	< 0.001	<0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.001
Manganese, total (mg/L)	0.3	0.84	-	0.31J	0.42	0.34	0.28J	0.29	0.45	0.046J	0.055	0.056	0.19J	0.19J	0.19	0.19	0.15	0.14	0.17J	0.21	0.23
ELD PARAMETERS																					
Temperature (degrees Celcius)	-	-	-	12	11	13	11	11	11	11	10	12	11	NA	10	NA	11	NA	11	8	12
pH (standard units)	I	-	-	7.2	7.1	7.0	6.9	6.8	6.7	8.6	8.4	8.1	7.9	NA	7.9	NA	7.7	NA	7.7	7.5	7.2
Conductivity (uS/cm)	-	-	-	424	368	375	893	791	646	401	395	434	402	NA	348	NA	406	NA	286	256	310
Dissolved Oxygen (mg/L)	-	-	-	2.2	0.8	0.6	1.4	1.1	<0.5	0.6	<0.5	0.6	< 0.5	NA	<0.5	NA	<0.5	NA	< 0.5	<0.5	<0.5
Turbidity (NTU)	-	-	-	7	23	18	8	14	7	< 5	<5	<5	< 5	NA	<5	NA	<5	NA	< 5	<5	8
Oxidation/Reduction Potential (mV)	-	-	-	-94	-78	-37	-2	3	10	-237	-252	-224	-180	NA	-173	NA	-144	NA	-140	-136	-92
PER- & POLY-FLUORINATED ALKYL SUBSTANCES BY MODIFIED 537 - (ng/L)																					
Date Sampled	EPA	NHDES		339 BHR	339 BHR	339 BHR	346 BHR	346 BHR	346 BHR	415 BHR	415 BHR	415 BHR	R-3	R-3 Dup	R-3	R-3 Dup	R-3	R-3 DUP	67 RCD	67 RCD	67 RCD
	HA	AGQS		11-Jul-16	27-Jan-17	21-Sep-17	11-Jul-16	27-Jan-17	12-Sep-17	11-Jul-16	27-Jan-17	12-Sep-17	11-Jul-16	NA	24-Jan-17	24-Jan-17	14-Sep-17	14-Sep-17	NA	26-Jan-17	12-Sep-17
Perfluorobutanesulfonic acid (PFBS)				<16	<8	<2.41	<16	<8	<2.21	<16	<8	<2.30	<16	NA	<8	<8	<2.30	<2.32	NA	<8	<2.30
Perfluoroheptanoic acid (PFHpA)				<16	8.06	6.61J	<16	<8	<2.61	<16	<8	<2.71	<16	NA	<8	<8	<2.72	<2.74	NA	<8	<2.72
Perfluorohexanesulfonic acid (PFHxS)				<8	<8	<1.28	<8	<8	<1.18	<8	<8	1.66J	<8	NA	<8	<8	<1.23	<1.24	NA	<8	<1.23
Perfluorooctanoic acid (PFOA)	70	70		25	17.8	13.5J	<8	<8	<1.16	<8	<8	<1.20	<8	NA	<8	<8	2.03J	<1.22	NA	<8	2.03J
Perfluorononanoic acid (PFNA)				<16	<8	<2.30	<8	<8	<2.11	<8	<8	<2.19	<8	NA	<8	< 8	<2.20	<2.21	NA	<8	<2.19
Perfluorooctanesulfonic (PFOS)	70	70		<8	<8	<1.15	<16	<8	1.05J	<16	<8	<1.09	<16	NA	<8	<8	<1.10	<1.11	NA	<8	<1.10
Combination of PFOA and PFOS		70		25	17.8	13.5J	ND	ND	1.05J	ND	ND	ND	ND	NA	ND	ND	2.03J	ND	NA	ND	2.03J

## TABLE NOTES:

## TABLE ABBREVIATIONS:

NA = Not Analyzed

NM = Not Measured

NR = Not Recorded - field parameter measurement did not meet QA/QC criteria and were rejected

uS/cm = microsiemens per centimeter

ug/L = micrograms per liter (parts per billion)

- mg/L = milligrams per liter (parts per million)
- NTU Nephelometric Turbidity Units

mV = millivolts

< = parameter concentration below detection limit indicated

R-3-DUP = duplicate sample collected at R-3

NHDES AGQS = NHDES Ambient Groundwater Quality Standard EPA MCL = EPA Primary Drinking Water Standard EPA CL = EPA Groundwater Quality Standard

BHR = Breakfast Hill Road

RCD = Ridgecreast Drive

SMW = Stone Meadow Way

**Bold** values denote concentration exceeding the EPA Cleanup Level (CL).

Shaded values denote concentration exceeding the NHDES Ambient Groundwater Quality Standard Post = Post treatment sample collected for arsenic and manganese.

J = The reported analyte is an estimated concentration

BFL = Berry Farm Lane ROD = Red Oak DriveFW = Falls Way WKD = Woodknoll Drive BR = Birch RoadLR = Lafayette Road
SAMPLE IDENTIFICATION	EPA	NHDES	EPA	4 SMW	4 SMW Post	4 SMW	4 SMW	9 SMW	9 SMW Post	9 SMW	9 SMW	10 SMW	10 SMW Post	10 SMW	<b>10 SMW</b>	16 SMW	16 SMW Post	16 SMW	16 SMW
DATE SAMPLED	CL	AGQS	MCL	26-May-16	26-May-16	25-Jan-17	13-Sep-17	26-May-16	26-May-16	25-Jan-17	19-Sep-17	25-May-16	25-May-16	24-Jan-17	12-Sep-17	27-May-16	27-May-16	26-Jan-17	18-Sep-17
VOLATILE ORGANIC COMPOUNDS																			
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25
METALS																			
Arsenic, total (mg/L)	0.01	0.01	0.01	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	0.011	< 0.001	< 0.001	< 0.001
Manganese, total (mg/L)	0.3	0.84	-	0.14J	<0.005J	0.034	0.12	0.14J	<0.005J	0.14	0.12	0.14J	<0.005J	0.088	0.240	2.1J	0.016J	0.028	0.017
FIELD PARAMETERS		-	-	-								-			-				
Temperature (degrees Celcius)	-	-	-	12	NA	12	13	11	NA	9	11	11	NA	11	11	10	NA	10	13
pH (standard units)	-	-	-	6.8	NA	6.6	6.9	7.9	NA	8.2	7.4	6.8	NA	6.8	6.7	7.5	NA	7.3	7.1
Conductivity (uS/cm)	-	-	-	663	NA	522	683	435	NA	346	434	411	NA	323	577	549	NA	428	586
Dissolved Oxygen (mg/L)	-	-	-	1.0	NA	0.9	0.9	4.5	NA	<0.5	<0.5	3.3	NA	3.6	1.2	1	NA	0.8	0.9
Turbidity (NTU)	-	-	-	< 5	NA	<5	<5	5	NA	<5	<5	< 5	NA	<5	7	< 5	NA	9	<5
Oxidation/Reduction Potential (mV)	-	-	-	93	NA	153	50	-194	NA	-205	171	53	NA	74	60	75	NA	159	52
PER- & POLY-FLUORINATED ALKYL S	<b>SUBSTA</b>	NCES BY	' MODI	FIED 537 - (	ng/L)														
Date Sampled	EPA	NHDES		4 SMW	4 SMW Post	4 SMW	4 SMW	9 SMW	9 SMW Post	9 SMW	9 SMW	10 SMW	10 SMW Post	10 SMW	10 SMW	16 SMW	16 SMW Post	16 SMW	16 SMW
	HA	AGQS		11-Jul-16	NA	25-Jan-17	13-Sep-17	11-Jul-16	NA	25-Jan-17	19-Sep-17	11-Jul-16	NA	24-Jan-17	12-Sep-17	NA	NA	26-Jan-17	18-Sep-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<2.33	<16	NA	<8	<2.46	<16	NA	<8	<2.27	NA	NA	<8	<2.23
Perfluoroheptanoic acid (PFHpA)				22B	NA	<8	<2.75	<16	NA	<8	<2.90	77B	NA	<8	<2.68	NA	NA	<8	<2.63
Perfluorohexanesulfonic acid (PFHxS)				<8	NA	<8	2.52J	<8	NA	<8	<1.31	<8	NA	<8	1.99J	NA	NA	<8	<1.19
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	4.57J	<8	NA	<8	<1.29	<8	NA	<8	2.81J	NA	NA	<8	<1.17
Perfluorononanoic acid (PFNA)				<8	NA	<8	<2.22	<8	NA	<8	<2.35	<8	NA	<8	<2.16	NA	NA	<8	<2.13
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	<8	1.87J	<16	NA	<8	<1.17	<16	NA	<8	<1.08	NA	NA	<8	<1.06
Combination of PFOA and PFOS		70		ND	NA	ND	6.44J	ND	NA	ND	ND	ND	NA	ND	2.81J	NA	NA	ND	ND

## TABLE 3 Summary of Analytical Results for Off-Site Water Supply Wells Coakley Landfill - North Hampton, New Hampshire

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	19 SMW	19 SMW Post	19 SMW	19 SMW	21 SMW	21 SMW Post	21 SMW	21 SMW	21 SMW Dup	4 ROD	4 ROD Post	4 ROD	4 ROD	10 ROD	10 ROD Post	10 ROD	10 ROD
DATE SAMPLED	CL	AGQS	MCL	27-May-16	27-May-16	23-Jan-17	13-Sep-17	25-May-16	25-May-16	23-Jan-17	12-Sep-17	12-Sep-17	26-May-16	26-May-16	23-Jan-17	18-Sep-17	25-May-16	25-May-16	26-Jan-17	13-Sep-17
VOLATILE ORGANIC COMPOUNDS																				
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	1	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25
METALS																				
Arsenic, total (mg/L)	0.01	0.01	0.01	0.002	< 0.001	<0.001	< 0.001	<0.001	< 0.001	<0.001	< 0.001	< 0.001	<0.001	< 0.001	< 0.001	<0.001	< 0.001	< 0.001	<0.001	< 0.001
Manganese, total (mg/L)	0.3	0.84	-	0.15J	0.009J	0.063	0.075	0.06J	<0.005J	0.064	0.070	0.070	0.34J	<0.005J	0.38	0.42	0.31J	<0.005J	0.008	0.028
FIELD PARAMETERS		-	-	-								-					-			
Temperature (degrees Celcius)	I	-	-	10	NA	10	11	11	NA	11	11	NA	11	NA	10	12	10	NA	9	11
pH (standard units)	I	-	-	8.0	NA	8.3	8.0	8.5	NA	8.4	8.0	NA	7.0	NA	7.1	6.6	7.7	NA	7.5	7.7
Conductivity (uS/cm)	-	-	-	852	NA	705	750	681	NA	671	707	NA	609	NA	589	626	494	NA	464	565
Dissolved Oxygen (mg/L)	I	-	-	0.5	NA	<0.5	0.6	0.6	NA	0.6	<0.5	NA	1.1	NA	<0.5	<0.5	1.1	NA	0.6	1.2
Turbidity (NTU)	-	-	-	< 5	NA	<5	<5	< 5	NA	<5	6	NA	< 5	NA	<5	<5	< 5	NA	<5	<5
Oxidation/Reduction Potential (mV)	-	-	-	-167	NA	-188	-172	-188	NA	-167	-125	NA	-37	NA	-50	-13	8	NA	155	80
PER- & POLY-FLUORINATED ALKYL	SUBSTA	NCES BY	' MODIF	=IED 537 - (	(ng/L)															
Date Sampled	EPA	NHDES		19 SMW	19 SMW Post	19 SMW	19 SMW	21 SMW	21 SMW Post	21 SMW	21 SMW	21 SMW Dup	4 ROD	4 ROD Post	4 ROD	4 ROD	10 ROD	10 ROD Post	10 ROD	10 ROD
	HA	AGQS		11-Jul-16	NA	23-Jan-17	13-Sep-17	13-Jul-16	NA	23-Jan-17	12-Sep-17	12-Sep-17	11-Jul-16	NA	23-Jan-17	18-Sep-17	11-Jul-16	NA	26-Jan-17	13-Sep-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<2.21	<16	NA	<8	<2.24	<2.27	<16	NA	<8	4.05J+	<16	NA	<8	2.45J
Perfluoroheptanoic acid (PFHpA)	-			91B	NA	<8	<2.60	<16	NA	<8	<2.64	<2.67	<16	NA	<8	<2.59	<16	NA	<8	<2.72
Perfluorohexanesulfonic acid (PFHxS)	-			<8	NA	<8	<1.18	<8	NA	<8	<1.20	<1.21	<8	NA	<8	1.68J	<8	NA	<8	2.59J
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	1.77J	<8	NA	<8	2.21J	<1.19	<8	NA	<8	<1.15	<8	NA	<8	2.34J
Perfluorononanoic acid (PFNA)				<8	NA	<8	<2.10	<8	NA	<8	<2.14	<2.16	<8	NA	<8	<2.09	<8	NA	<8	<2.20
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	<8	<1.05	<16	NA	<8	<1.07	<1.08	<16	NA	<8	<1.05	<16	NA	<8	2.50J
Combination of PFOA and PFOS		70		ND	NA	ND	1.77J	ND	NA	ND	2.21J	ND	ND	NA	ND	ND	ND	NA	ND	4.84J

# TABLE 3Summary of Analytical Results for Off-Site Water Supply WellsCoakley Landfill - North Hampton, New Hampshire

### TABLE 3 Summary of Analytical Results for Off-Site Water Supply Wells Coakley Landfill - North Hampton, New Hampshire

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	25 FW	25 FW Post	25 FW	25 FW Dup	25 FW	5 BFL	5 BFL	5 BFL	9 BFL	9 BFL	15 BFL	15 BFL	15 BFL	340 BHR	340 BHR	340 BHR	463 BHR	463 BHR	463 BHR
DATE SAMPLED	CL	AGQS	MCL	27-May-16	27-May-16	24-Jan-17	24-Jan-17	20-Sep-17	NA	26-Jan-17	15-Sep-17	25-Jan-17	12-Sep-17	NA	25-Jan-17	19-Sep-17	11-Jul-16	27-Jan-17	21-Sep-17	NA	24-Jan-17	13-Sep-17
VOLATILE ORGANIC COMPOUNDS																						
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25
METALS																						
Arsenic, total (mg/L)	0.01	0.01	0.01	< 0.001	< 0.001	<0.001	< 0.001	<0.001	NA	< 0.001	0.006	< 0.001	< 0.001	NA	< 0.001	<0.001	NA	< 0.001	< 0.001	NA	0.006	0.010
Manganese, total (mg/L)	0.3	0.84	-	0.034J	0.029J	0.017	0.018	0.025	NA	0.82	2.3	0.007	0.089	NA	0.21	0.12	NA	0.011	0.013	NA	0.16	0.22
FIELD PARAMETERS																						
Temperature (degrees Celcius)	-	-	-	10	NA	9	NA	10	NA	9	14	10	12	NA	10	12	NA	11	14	NA	10	12
pH (standard units)	-	-	-	7.8	NA	8.1	NA	7.5	NA	7.0	6.7	6.3	6.4	NA	7.4	7.3	NA	6.6	6.4	NA	7.7	7.4
Conductivity (uS/cm)	-	-	-	363	NA	292	NA	352	NA	550	588	212	729	NA	418	640	NA	140	173	NA	646	735
Dissolved Oxygen (mg/L)	-	-	-	< 0.5	NA	<0.5	NA	<0.5	NA	<0.5	<0.5	4	1.8	NA	<0.5	<0.5	NA	1.2	4.8	NA	3	3.3
Turbidity (NTU)	-	-	-	< 5	NA	<5	NA	<5	NA	<5	205	<5	<5	NA	<5	<5	NA	<5	<5	NA	<5	<5
Oxidation/Reduction Potential (mV)	-	-	-	-146	NA	-115	NA	-119	NA	-4	35	189	208	NA	-1	-10	NA	151	158	NA	-70	-64
PER- & POLY-FLUORINATED ALKYL S	SUBSTA	ANCES BY		FIED 537 - (r	າg/L)																	
Date Sampled	EPA	NHDES		25 FW	25 FW Post	25 FW	25 FW Dup	25 FW	5 BFL	5 BFL	5 BFL	9 BFL	9 BFL	15 BFL	15 BFL	15 BFL	340 BHR	340 BHR	340 BHR	463 BHR	463 BHR	463 BHR
	HA	AGQS		11-Jul-16	NA	24-Jan-17	24-Jan-17	20-Sep-17	11-Jul-16	26-Jan-17	15-Sep-17	25-Jan-17	12-Sep-17	13-Jul-16	25-Jan-17	19-Sep-17	11-Jul-16	27-Jan-17	21-Sep-17	11-Jul-16	24-Jan-17	13-Sep-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<8	<2.36	<16	<8	<2.30	<8	<2.33	<16	<8	<2.25	<16	<8	<2.33	<16	<8	<2.26
Perfluoroheptanoic acid (PFHpA)				<16	NA	<8	<8	<2.78	<16	<8	<2.71	<8	<2.75	<16	<8	<2.65	<16	<8	<2.74	<16	<8	<2.66
Perfluorohexanesulfonic acid (PFHxS)				<8	NA	<8	<8	<1.26	<8	<8	<1.23	<8	1.40J	<8	<8	<1.20	<8	<8	<1.24	11	<8	7.17J
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	<8	3.06J	<8	<8	<1.20	<8	<1.22	<8	<8	<1.18	<8	<8	<1.22	<8	<8	<1.18
Perfluorononanoic acid (PFNA)				<8	NA	<8	<8	<2.25	<16	<8	<2.19	<8	<2.22	<16	<8	<2.14	<16	<8	<2.22	<16	<8	<2.15
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	<8J	<8J	<1.12	<8	<8	1.37J	<8	4.69J	<8	<8	<1.07	<8	<8	<1.11	8.1	<8	4.66J
Combination of PFOA and PFOS		70		ND	NA	ND	ND	3.06J	ND	ND	1.37J	ND	4.69J	ND	ND	ND	ND	ND	ND	8.1	ND	4.66J

It should be noted that 3 and 5 Berry Farm Lane share one well, 9 and 11 Berry Farm Lane share one well, and 15 and 17 Berry Fram Lane share one well.

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	7 WKD	8 WKD	27 BR	178A LR
DATE SAMPLED	CL	AGQS	MCL	14-Sep-17	14-Sep-17	14-Sep-17	19-Sep-17
VOLATILE ORGANIC COMPOUNDS							
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	<0.25	<0.25	0.29
METALS							
Arsenic, total (mg/L)	0.01	0.01	0.01	< 0.001	0.002	< 0.001	0.001
Manganese, total (mg/L)	0.3	0.84	-	< 0.005	0.053	<0.005	0.057
FIELD PARAMETERS	-	-					-
Temperature (degrees Celcius)	-	-	-	14	12	16	14
pH (standard units)	-	-	-	6.9	7.7	6.3	7.3
Conductivity (uS/cm)	-	-	-	698	323	407	349
Dissolved Oxygen (mg/L)	-	-	-	2.8	<0.5	6.4	0.8
Turbidity (NTU)	-	-	-	<5	<5	<5	<5
Oxidation/Reduction Potential (mV)	-	-	-	110	-109	170	133
PER- & POLY-FLUORINATED ALKYL	SUBSTA	NCES BY	MODIF	<sup>-</sup> IED 537 - (ı	ng/L)		
Date Sampled	EPA	NHDES		7 WKD	8 WKD	27 BR	178 ALR
	HA	AGQS		14-Sep-17	14-Sep-17	14-Sep-17	19-Sep-17
Perfluorobutanesulfonic acid (PFBS)				<2.28	<2.30	3.98J	<2.27
Perfluoroheptanoic acid (PFHpA)				<2.68	<2.72	<2.74	<2.68
Perfluorohexanesulfonic acid (PFHxS)				4.24J	2.50J	<1.24	<1.21
Perfluorooctanoic acid (PFOA)	70	70		6.06J	<1.21	2.75J	3.72J
Perfluorononanoic acid (PFNA)				<2.17	<2.19	<2.21	<2.16
Perfluorooctanesulfonic (PFOS)	70	70		3.62J	<1.10	6.11J	1.14J
Combination of PFOA and PFOS		70		9.68J	ND	8.86J	4.86J



SUMMARY OF SURFACT WATER ANALYTICAL RESULTS

	NHDES Surface	Water Standard	S\W_4	SW-4	\$\\/_5	SW-5Dup	SW/-5	SW-5Dup	SW-103	SW-103	SW-110	SW-110	SW/_111	SW-111	SW/-I R	SW/-I R	SW-BB1	SW/-BB1	SW/_BB2	SW/_BB2	1		
		Chronic	2-May-17	15_Son_17	2-May-17	2-May-17	19_Son_17	19_Son_17	25_Apr_17	10-Son-17	25_Apr_17	13_Son_17	2-May-17	19_Son_17	2-May-17	13-Son-17	2-May-17	13-Son-17	2-May-17	15-Son-17			
VOLATILE OBGANIC COMPOLINDS B'	( 8260B (ug/l )	Chronic	2-1v1ay-17	13-3ep-17	2-11/1ay-17	2-11/dy-17	13-366-17	19-3ep-17	23-Api-17	19-3ep-17	23-Api-17	13-3ep-17	2-111ay-17	13-3ep-17	2-111ay-17	13-3ep-17	2-11/ay-17	13-3ep-17	2-1v1ay-17	13-366-17			
olatile organic compounds were no	detected in any	of the surface wat	er samnles	collected d	uring the A	nril/May 20	17 and Sent	tember 201 <sup>-</sup>	7 samnling e	wents													
AFTALS BY 200 8 (mg/l)	detected in any	of the surface wat	er samples	conected u	uning the A	p111/1018y 20				vents.													
	V)		Dissolved	Dissolved	Discolved	Discolved	Dissolved	Discolved	Discolved	Discolved	Dissolved	Discolved	Discolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Dissolved	Discolved			
	0.75	0.087	0.1	0.1	0.0511	0.0511	0 111	0 111	0.0511	0 111	0.0511	0 111	0.08	0.111	0.22	0.2	0.0511	0.111	0.0511	0 111			
ntimony	0.75	1.6	0.1	0.1	0.030	0.030	0.10	0.10	0.030	0.10	0.030	0.10	0.08	0.10	0.55	0.2	0.030	0.10	0.030	0.10			
rconic*	9	0.15	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010			
	0.54	0.15	0.001	0.005	0.001	0.001	0.005	0.005	0.0010	0.005	0.0010	0.001	0.0010	0.003	0.001	0.002	0.001	0.008	0.001	0.002			
			0.006	0.017	0.009	0.009	0.02	0.019	0.012	0.019	0.009	0.015	0.007	0.017	0.006	0.01	0.016	0.033	0.013	0.016			
eryilium	0.13	0.0053	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010			
	0.00095	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010			
Laicium			11	21	21	21	36	35	21	34	16	1/	9.3	15	6.5	18.0	15	21	13	26			
Chromium (Cr+3 + Cr+6)*	0.183 (Cr+3) 0.016 (Cr+6)	0.024 (Cr+3) 0.011 (Cr+6)	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U			
Cobalt			0.001U	0.001U	0.001U	0.001U	0.001	0.001	0.001U	0.002	0.001U	0.002	0.001U	0.003	0.001U	0.001U	0.001U	0.007	0.001U	0.001			
Copper*	0.0036	0.0027	0.001	0.002	0.002	0.001	0.001U	0.001	0.003	0.001	0.002	0.001	0.001	0.002	0.002	0.001	0.002	0.001U	0.001	0.003			
ron		1	0.26	0.63	0.92	0.93	0.78	0.70	0.11	0.88	0.12	0.65	0.34	2.4	0.35	0.54	0.36	13	0.42	0.63	ļ		
ead*	0.014	0.00054	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	ĺ		
/lagnesium			3.5	6.6	4.9	4.8	9.6	9.5	5.7	9.1	4.0	4.3	2.7	4.4	2.0	4.9	3.7	5.0	3.6	5.2	ĺ		
Nanganese			0.054	0.82	0.22	0.22	3.0	3.0	0.022	4.6	0.048	0.570	0.04	2.00	0.03	0.085	0.23	1.30	0.029	0.640			
Mercury*	0.0014	0.00077	0.0001U	0.0002U	0.0001U	0.0001U	0.0002U	0.0002U	0.0001U	0.0002U	0.0001U	0.0002U	0.0001U	0.0002U	0.0001U	0.0002U	0.0001U	0.0002U	0.001U	0.0002U			
lickel*	0.1449	0.016	0.001	0.003	0.002	0.002	0.004	0.004	0.002	0.005	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.004	0.001U	0.003	1		
otassium			2.1	2.3	5.5	5.5	12.0	12.0	6.4	9.1	2.6	1.9	1.6	2.1	1.0	2.0	2.8	2.3	3.6	3.9			
elenium		0.0005	0.001U	0.001U	0.001U	0.001U		0.001	0.001U	0.001	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U			
lver*	0.00032		0.001U	0.001U	0.001U	0.001U	0.001UJ	0.001UJ	0.001U	0.001UJ	0.001U	0.001U	0.001U	0.001UJ	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	1		
odium			11	17	15	14	30	30	17	25	25	20	22	27	12	24	20	19	16	17			
hallium	1.4	0.04	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U			
′anadium			0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U			
inc*	0.0362	0.0365	0.01	0.024	0.007	0.006	0.005U	0.007	0.006	0.008	0.006	0.006	0.005U	0.01	0.006	0.01	0.005U	0.005U	0.008	0.039			
4-Dioxane by 8260B SIM ug/L	-					-		•															
,4-Dioxane			0.25U	0.25U	0.59	0.63	2	1.9	1.3	1.3	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	1		
SENERAL CHEMISTRY	-						•																
mmonia** (mg/L)	pH De	pendent	0.05U	0.96	0.05U	0.05U	0.3	0.3	0.05	0.21	0.05U	0.06	0.05U	0.05U	0.05U	0.06	0.05U	0.09	0.05U	0.05U			
																						EPA Screen	EPA Screening Levels
																						Adult	Adult Child
																						Recreator	Recreator Recreator
ER- & POLY-FLUORINATED ALKYL S	UBSTANCES BY N	/IODIFIED 537 - (ng	9											-								EF = 4	EF = 45 Days
Perfluorobutanesulfonic acid (PFBS)			3.73J	6.73J	2.30U	2.07U	6.26J+	5.26J+	2.2J	5.42J+	2.28U	2.35U	2.28U	2.39U	2.31U	2.29J	2.20U	2.25U	2.45U	2.59U		18,300,000	18,300,000 2,030,000
Perfluoroheptanoic acid (PFHpA)			58.4	74.3	222	218	336	334	233	336	68.3	42.7	19.7J	11.1J	3.58J	8.69J	55.5	51.3	104	88.2			
Perfluorohexanesulfonic acid (PFHxS)			13.0J	19.6J	13.8J	13.3J	22.5J	17.9J	16.9J	18.7J	4.8J	4.66J	1.44J	1.27U	1.39J	3.28J	4.83J	4.49J	7.53J	8.78J			
Perfluorooctanoic acid (PFOA)			129	145	794J	742J	648	683	763J-	675	198J-	88.6	57	26.6	11.4J	18.1J	178	108	293	213		18,300	18,300 2,030
Perfluorononanoic acid (PFNA)			17.9J	34.9	296	308	249J	316	235	287	38	57.2	14.7J	11.1J	2.20U	2.15U	36.9	64.4	80.7	127			
Pertluorooctanesulfonic (PFOS)			36.2	42.1	391DJ	770DJ	1120	1100	758	993	77.1	68.2	25.5	23.9	5.57J	9.79J	88.1	80.1	176	205		18,300	18,300 2,030
Combination of PFOA and PFOS			165.2	187.1	1185	1512	1768	1783	1521	1668	275.1	156.8	82.5	50.5	16.97	27.89	266.1	188.1	469	418			
IELD PARAMETERS	<b>.</b>				-	:		:	-														
Temperature (degrees C)			10	19	9	NA	16	NA	6	16	12	15	11	19	10	19	11	16	10	18			
pH (Standard Units)			6.5	6.2	6.7	NA	7.0	NA	6.7	7.0	6.9	6.4	6.3	6.4	6.3	7.2	6.4	6.5	6.1	6.4			
Specific Conductance (us/cm)			135	245	246	NA	511	NA	251	431	262	232	190	323	115	267	225	236	170	257			
Dissolved Oxygen (mg/L)			5.9	1.0	1.8	NA	< 0.5	NA	7.1	1.0	8.3	4.9	7.9	<0.5	9.7	7.0	7.8	0.6	3.0	<0.5	l		
urbidity (NTU)			<5	72	8	NA	22	NA	<5	20	<5	8	<5	18	7	<5	<5	15	16	8			
ation Reduction Potential (mV)			99	9	-44	NA	-111	NA	198	-/1	99	35	127	-40	132	114	112	-36	47	-1			

#### NOTES:

1. VOCs list is limited to analytes detected in samples

2. --- no standard has been established for the indicated parameter.

3. NHDES Surface Water Standards are listed in Env Wq 1700, Table 1703.1

4. There are no ROD ICLs established for surface water.

Highlighting: Bold values denote NHDES Acute Surface Water Criteria Exceedances; Gray shaded values denote NHDES Chronic Criteria Exceedances. Blue shaded values denote EPA Screening Level Child Recreator Exceedances, EF = 120 days 5.

6. The reporting detection limit (RDL) for zinc, silver and lead are consistent with RDLs specified in the SAP; however, they exceed the "default" (see footnote \*) acute and/or chronic standards.

- \* Acute and chronic standards based on "default" values listed in Env Wq 1700, Table 1703.1. Actual standards may vary based on
- \*\* The freshwater and saltwater aquatic life criteria for ammonia are pH dependent. Refer to Env-Wq 1703.25 through Env-Wq 1703.31.
- EF Exposure frequency



SUMMARY OF SEDIMENT ANALYTICAL RESULTS

Summary of Sediment Analytical Data for 2017

main         main <th< th=""><th>Sampling Boint ID</th><th></th><th></th><th>SED-4</th><th></th><th></th><th></th><th></th><th>SED 110</th><th>SED 110</th><th>SED 111</th><th></th><th></th><th></th><th></th><th></th><th> </th><th></th><th></th><th></th></th<>	Sampling Boint ID			SED-4					SED 110	SED 110	SED 111									
North Marka Wessel         Converging         Source         Parade	Sampling Point ID	(Dry Woight)	5LD-4	0/15/2017	5ED-5	5ED-5-DUP	3ED-5	0/10/2017	3ED-110	0/12/2017	0/10/2017	5ED-LR	0/12/2017	0/12/2017	5LD-662	0/15/2017				
Non-worker langer	TOTAL METALS BY 6020 (mg/kg)	(Dry Weight)	5/2/2017	5/15/2017	5/2/2017	5/2/2017	9/19/2017	9/19/2017	4/23/2017	9/13/2017	9/19/2017	3/2/2017	9/13/2017	9/13/2017	5/2/2017	9/13/2017				
math strongCoal SectorCoal Coard <th< td=""><td>Total Aluminum</td><td></td><td>6600</td><td>4200</td><td>11000</td><td>12000</td><td>24000</td><td>22000</td><td>14000</td><td>11000</td><td>12000</td><td>16000</td><td>15000</td><td>10000</td><td>4200</td><td>8000</td><td></td><td></td><td></td><td></td></th<>	Total Aluminum		6600	4200	11000	12000	24000	22000	14000	11000	12000	16000	15000	10000	4200	8000				
mail         1			0.7	4200	1.0	12000	34000	0.510	14000	11000	15000	16000	15000	10000	4200	0.511				
main         0.00         1.00 <th< td=""><td></td><td>0.70</td><td>0.7</td><td>1.1</td><td>1.9</td><td>12</td><td>0.50</td><td>0.50</td><td>0.50</td><td>0.5</td><td>0.50</td><td>0.50</td><td>0.50</td><td>0.50</td><td>0.50</td><td>0.50</td><td></td><td></td><td></td><td></td></th<>		0.70	0.7	1.1	1.9	12	0.50	0.50	0.50	0.5	0.50	0.50	0.50	0.50	0.50	0.50				
Cale Legislant         Cale	Total Parium	9.79	4.1	4.8	12	13	210	13	7.5	9.1	4.5	4.9	14	7	8.5 27	11				
Dial Grammin         Dist         Dis         Dist         Dist	Total Bandlium			73	110	120	210	220	90	0.6	74	110	70	31	27	40				
Open containing         Open con	Total Cadmium		0.50	0.50	0.7	0.7			0.6	0.6	0.5	0.7	0.8	0.50	0.50	1.5				
Orient Chroning (main)         13         28         13<		0.99	12000	1.2	7000	0.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.30	1200				
Claid ColumbClaid Columb<	Total Calcium		12000	16000	7000	7700	3200	3300	2200	1900	2200	3600	2200	2300	1200	1200				
Unit Conditional		43.4	<u>8.1</u>	5.5	23	23	03	01	32	Z8	24	26	41	30	8.1	15				
Non-Control         1         0 <th< td=""><td>Total Coppor</td><td>21.6</td><td>1.3</td><td>2.9</td><td>0.9</td><td>7.7</td><td>22</td><td>25</td><td>3.9</td><td>5.3</td><td>4.4 0.4</td><td>0</td><td>8.9</td><td>5.9</td><td>2.3</td><td>3.8</td><td></td><td></td><td></td><td></td></th<>	Total Coppor	21.6	1.3	2.9	0.9	7.7	22	25	3.9	5.3	4.4 0.4	0	8.9	5.9	2.3	3.8				
India from         India		51.0	2200	5400	15000	16000	20000	20000	0400	12000	8000	11000	18000	17000	12000	12000				
mining         mining<	Total Lead	35.8	56	100	68	65	23000	23000	9400 49	/12000	23	25	25	7.8	12	13000				
India Margine         Image	Total Magnesium		1600	2000	3000	3100	9000	8900	3600	3200	3000	25	6300	5400	12	2200				
manufactori         0.18         0.4         0.5         0.5         0.10	Total Manganese		360	1100	290	310	420	420	140	360	200	380	360	200	110	2200				
Long Needly         Orice	Total Mercury	0.18	0.4	0.5	0.51	11	0.111	0 111	0.3	0.1	0.111	0.111	0.111	0.111	0.111	0.111				
India         Constrain         Constrain <thconstrain< th=""> <thcon<< td=""><td>Total Nickel</td><td>22.7</td><td>6.2</td><td>7.8</td><td>20</td><td>21</td><td>41</td><td>41</td><td>18</td><td>16</td><td>13</td><td>14</td><td>29</td><td>23</td><td>6.8</td><td>11</td><td></td><td></td><td></td><td></td></thcon<<></thconstrain<>	Total Nickel	22.7	6.2	7.8	20	21	41	41	18	16	13	14	29	23	6.8	11				
Controloging         Constrained         Constrained <thconstrained< th=""> <thconstrained< th=""></thconstrained<></thconstrained<>	Total Potassium		1300	600	2900	2900	9300	8700	2500	2000	2300	3700	2900	1500	800	1700				
Constraining         Constraining<	Total Selenium		2 3	2 1	1 5	1 5	0.511	0.5	0.6	0.5	0.6	0.6	0.511	0.511	0.511	0.511				
India Solution         Image: Solution         Solutio	Total Silver		0.511	0.511	0.511	0.511	0.50	0.5	0.511	0.5	0.0	0.0	0.50	0.50	0.50	0.50				
Indication         Incompany         <	Total Sodium		200	300	300	300	600	500	200	100	700	400	300	10011	10011	100				
Total Vanadium          20         29         37         37         47         48         28         23         22         29         31         27         10         18           Total Vanadium         121         62         140         80         82         110         110         78         62         41         45         58         38         15         32           1.4-Dioxane by 82608 SIM mg/kg	Total Thallium		0.5U	0.5U	0.5U	0.5U	0.5	0.6	0.5U	0.5U	0.5U	0.5U	0.50	0.5U	0.5U	0.5U				
Total Zince         121         62         140         80         82         110         10         78         62         41         45         58         38         15         32           1.4-Dioxane by 82608 SIM mg/kg          0.60         1.10         0.78         0.20         0.10	Total Vanadium		20	29	37	37	47	48	28	23	22	29	31	27	10	18				
1.4-Dioxane by 8260B SIM mg/kg	Total Zinc	121	62	140	80	82	110	110	78	62	41	45	58	38	15	32				
1.4-bioxane        0.6U       1UJ       0.4U       0.2U       0.1U       0.2U       0.1U       0.1U <th>1,4-Dioxane by 8260B SIM mg/kg</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>:</th> <th></th>	1,4-Dioxane by 8260B SIM mg/kg							:												
Perfluorobatanesulfonic acid (PFBS)          0.00123U         0.00123U         0.00133U         0.00132U         0.00132U         0.0012U         0.00	1,4-Dioxane		0.6U	1UJ	0.4U	0.5U	0.2U	0.1U	0.2U	0.2U	0.1U	0.2U	0.1U	0.1U	0.1U	0.1U				
Pere & POLY-FLUORINATED ALKYL SUBSTANCES BY MODIFIES 37 · (mg/kg)         O.00123U					8	3	1	8						8			Adult Recreator	Child Recreator	Adult Recreator	Child Recreator
Perfluorobutanesulfonic acid (PFBs)        0.00123U       0.00121U       0.00123U       0	PER- & POLY-FLUORINATED ALKYL SUBS	TANCES BY MODIF	IED 537 - (mg/kg)														EF = 45	j days	EF = 12	0 days
Perfluoroheptanic acid (PFHA)0.0025J0.0026J0.0026J0.00337J0.00330J0.0016U0.0019U0.0019U0.00110U0.0010U0.0110U </th <th>Perfluorobutanesulfonic acid (PFBS)</th> <th></th> <th>0.00123UJ</th> <th>0.00121UJ</th> <th>0.00122UJ</th> <th>0.00123UJ</th> <th>0.00186U</th> <th>0.00217U</th> <th>0.00122U</th> <th>0.00122U</th> <th>0.00188U</th> <th>0.00121U</th> <th>0.00125U</th> <th>0.00120U</th> <th>0.00123U</th> <th>0.00119U</th> <th>9,120</th> <th>983</th> <th>3,420</th> <th>369</th>	Perfluorobutanesulfonic acid (PFBS)		0.00123UJ	0.00121UJ	0.00122UJ	0.00123UJ	0.00186U	0.00217U	0.00122U	0.00122U	0.00188U	0.00121U	0.00125U	0.00120U	0.00123U	0.00119U	9,120	983	3,420	369
Perfluorohexanesulfonic acid (PFMx)0.00190i0.00190i0.00130ii0.00190i0.00130ii0.00130ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120ii0.00120iii	Perfluoroheptanoic acid (PFHpA)		0.00255J-	0.00268J	0.00337J-	0.00350J-	0.00166U	0.00194U	0.00109UJ	0.00109U	0.00168U	0.00108U	0.00112U	0.00107U	0.00110U	0.00106U				
Perfluoroactanic def PGA0.00863-0.008430.01690.0171-0.002090.001200.001100.001100.001300.00129.120.083.420.369Perfluoroactanic def PFAA0.005200.005300.002000.002500.001300.001300.001300.001300.001300.01100.01100.011000.0110 <t< td=""><td>Perfluorohexanesulfonic acid (PFHxS)</td><td></td><td>0.00190J-</td><td>0.00275J</td><td>0.00129UJ</td><td>0.00130UJ</td><td>0.00197U</td><td>0.00230U</td><td>0.00129U</td><td>0.00129U</td><td>0.00199U</td><td>0.00128U</td><td>0.00133U</td><td>0.00127U</td><td>0.00130U</td><td>0.00126U</td><td></td><td></td><td></td><td></td></t<>	Perfluorohexanesulfonic acid (PFHxS)		0.00190J-	0.00275J	0.00129UJ	0.00130UJ	0.00197U	0.00230U	0.00129U	0.00129U	0.00199U	0.00128U	0.00133U	0.00127U	0.00130U	0.00126U				
Perfluoronanoic acid (PFNA)        0.00526J       0.00636J       0.0209       0.00130J       0.00130J       0.00130J       0.00130J       0.00155	Perfluorooctanoic acid (PFOA)		0.00863J-	0.00843J	0.0169J	0.0171J-	0.00209J	0.00208J	0.00112UJ	0.00112U	0.00173U	0.00111U	0.00115U	0.00110U	0.00113U	0.0012	9.12	0.98	3.42	0.369
Perfluorooctanesulfonic (PFOS)        0.0168J       0.021J       0.152DJ       0.164DJ       0.022       0.0327       0.00167J       0.0024U       0.00130U       0.00130U       0.0033J       0.0106       9.12       0.98       3.42       0.369         Combination of PFOA and PFOS        0.02543       0.02943       0.1689       0.03478       0.03478       0.00642       ND       ND       ND       0.00333       0.0180	Perfluorononanoic acid (PFNA)		0.00526J	0.00636J	0.0209J	0.0225J	0.00258J	0.00326J	0.00135U	0.00135U	0.00209U	0.00134U	0.00139U	0.00133U	0.00136U	0.00155				
Combination of PFOA and PFOS        0.02543       0.02943       0.1689       0.1811       0.02409       0.03478       0.00642       ND       ND       ND       0.00333       0.0118              TOTAL SOLIDS BY 2540G-91 - (Percent - %)        11.4       23.6       22.7       56.4       56.1       51.1       56.8       31.5       68.4       82.2       70.1       59.5	Perfluorooctanesulfonic (PFOS)		0.0168J-	0.021J	0.152DJ-	0.164DJ-	0.022	0.0327	0.00167J	0.00642	0.00204U	0.00131U	0.00136U	0.00130U	0.00333J	0.0106	9.12	0.98	3.42	0.369
TOTAL SOLIDS BY 2540G-91 - (Percent - %)         Solids Total        19.8       11.4       23.6       22.7       56.4       52.1       51.1       56.8       31.5       68.4       82.2       70.1       59.5	Combination of PFOA and PFOS		0.02543	0.02943	0.1689	0.1811	0.02409	0.03478	0.00167	0.00642	ND	ND	ND	ND	0.00333	0.0118				
Solids Total        19.8       11.4       23.6       22.7       56.4       52.1       51.1       56.8       31.5       68.4       82.2       70.1       59.5	TOTAL SOLIDS BY 2540G-91 - (Percent - 9	%)			-		•		-	-		-	•	-					-	
	Solids Total		19.8	11.4	23.6	22.7	56.4	56.1	52.1	51.1	56.8	31.5	68.4	82.2	70.1	59.5				

#### NOTES:

mg/kg = milligram per kilogram, parts per million

--- = no standard has been established for the indicated parameter.

< = concentration is below reporting detection limit indicated

J, UJ = data qualifiers applied based on EPA's Tier I Plus data validation guidelines. J = estimated, UJ = estimated detection limit

1. Beginning in 2014, sediment data was qualified in accordance with EPA's Tier I Plus data validation guidelines.

2. The EPA has not established a cleanup standard for sediment.

3. April 2005, that includes the "National Oceanic and Atmospheric Administration Screening Quick Reference Tables (NOAA SQuiRT Tables for Inorganics in Sediment - Freshwater). Current SQuiRT Tables are located on the NOAA website: http://archive.orr.noaa.gov/book\_shelf/122\_NEW-SQuiRTs.pdf . TEC is Threshold Effect Concentration, which is consensus-based and incorporates the Ontario Ministry of the Environment lowest-observed effect levels (LELs).

4. Gray shaded values denote concentrations exceeding the NOAA SQuiRT TEC standard.

Blue shaded values denote concentrations exceeding the EPA Screening Levels.

## Coakley Landfill Superfund Site - North Hampton and Greenland, New Hampshire



SUMMARY OF L-1 SEEP ANALYTICAL RESULTS

Summary of L-1 Seep Analytical Results 2001 - 2017 Coakley Landfill - North Hampton, New Hampshire

SAMPLE IDENTIFICATION	NHDES	SURFACE	I -1	L-1	L-1	1-1	I -1	1-1	L-1	1-1	L-1	I -1	L-1	L-1-DUP	L-1	L-1-DUP	L-1	L-1-DUP	L-1	L-1-DUP	L-1	L-1-DUP
	WATER	STANDARDS	27-Aug-03	25-Aug-04	25-Aug-05	30-Nov-06	13-Nov-07	12-Aug-08	19-Aug-09	17-Aug-10	19-Aug-11	30-Aug-12	14-Aug-13	14-Aug-13	17-Sep-15	17-Sep-15	1-Jun-16	1-Jun-16	28-Apr-17	28-Apr-17	21-Sep-17	21-Sep-17
COMMENTS	ACUTE	CHRONIC				ID 104240																
PARAMETER ANALYZED	1			İ	1			1	l .	1	1	İ				1	İ	1		l .	1	1
VOLATILE ORGANIC COMPOUNDS (ug/L	)			-		•			-			-					-	•		-		
Benzene	5300	NSE	2	<2	2	2	3	<1	1.9	2	2.0	2	2	2	2	2	1	1	<1	<1	1	1
Chlorobenzene	250	50	18	12	20	18	22	<2	20	24	18	15	13	14	16	14	11	12	<1	<1	12	12
Chloroethane	NSE	NSE	6	3	6	<2	6	<5	4.4	<5	4.1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,4 Dichlorobenzene (See Note 4)			2	<2	3	2	3	<1	2.5	3	2.3	2	2	2	2	2	2J	2J	<1	<1	2	2
1,3-Dichlorobenzene (See Note 4)	1120	763	<2	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	2J	<1J	<1	<1	<1	<1
1,2 Dichlorobenzene (See Note 4)			<2	<2	<2	<2	1	<1	1.1	2	1.2	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	NSE	NSE	<2	<2	<2	2	2	<1	1.5	2	1.6	1	1	1	1	BDL	<1	<1	<1	<1	<1	<1
Diethyl Ether	NSE	NSE	<10	<10	<10	<10	23	<5	13	15	12	10	10	10	11	10	7	7	<5	<5	7	7
Naphthalene	2300	620	<10	<10	<10	<10	<5	<5	0.6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrahydrofuran	NSE	NSE	<30	<30	<30	<30	20	<10	12	10	<10	<10	<10	<10	10	10	<10	<10	<10	<10	<10	<10
Ioluene	NSE	NSE	<2	<2	<2	<2	<1	<1	<1	1	<1	<1	<1	<1	<1	2J	<1	<1	<1	<1	<1	<1
LOW LEVEL 1,4-DIOXANE (ug/L)		1 105																				
1,4-Dioxane	NSE	NSE	NA	NA	NA	NA	NA	NA	26	20	25	28	22	24	NA	NA	NA	NA	1.5	1.3	17	18
METALS (UG/L)			Iotal	i otal	Iotal	L	I otal Dissolved	Iotal	Iotal	Iotal	i otal	Iotal	Iotal	i otal	Iotal	i otal	Iotal	Iotal	Iotal	Iotal	Iotal	Iotal
Auminum	750	87	9,500	29,000	18,000	NA	<50 <50	170	<50	<50	<50	<50	<50	80	<50	<50	<50	<50	80	70	<100	<100
Antimony	9,000	1,600	<2	<4	<0	NA	<1 <1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	340 NGE	150	610	150	300	INA NA	/ 6 07 00	4	4	/ 100	6	4	5	/	6 100	6	3	3	2	2	5	5
Bondlium	120	1NOE	010	2200	4000	INA NA	-1 -1	- 11	100	100	97	0/	92	110	-1	90	/4	13	- 11	10	15	10
Cadmium	0.95	0.3 0.80	<4	3 54	<2	ΝA		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 <1	<1	<1	<1
Calcium	NSE	NSE	100.000	140.000	150.000	ΝΔ	50,000 62,000	20,000	64 000	71.000	63,000	79.000	56,000	57.000	67.000	67.000	52 000	52 000	17.000	16,000	57.000	57 000
Chromium	183	24	27	55	70	NA	<1 <1 <1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	10,000	<1	<1
Cobalt	NSF	NSE	6	11	10	NA	<1 1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Copper	3.6	2.7	13	36	40	NA	<1 1	8	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	9	8	<1	<1
Iron	NSE	1,000	330,000	1,000,000	1,100,000	NA	30,000 27.000	1,200	35,000	34,000	31,000	31,000	35,000	45,000	35,000	33,000	36,000	35,000	2,800	2,500	32,000	33,000
Lead	14	0.54	8	34	<6	NA	<1 <1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Magnesium	NSE	NSE	36,000	34,000	43,000	NA	20,000 25,000	2,500	25,000	21,000	21,000	20,000	16,000	16,000	17,000	17,000	18,000	18,000	3,400	3,100	18,000	19,000
Manganese	NSE	NSE	5,900	10,000	9,800	NA	2,700 3,200	98	3,200	2,900	2,700	3,300	2,500	2,500	2400 J+	2,200 J+	2,700	2,700	400	370	2,800	2,900
Mercury	1.4	0.77	<0.2	<0.2	<0.2	NA	<0.1 <0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.2
Nickel	144.9	16.1	28	32	40	NA	7 8	3	7	6	4	6	5	5	5	5	5J	5J	4	3	5	5
Potassium	NSE	NSE	46,000	38,000	50,000	NA	34,000 40	7,800	37,000	33,000	30,000	31,000	25,000	27,000	26,000	27,000	25,000	25,000	5,200	5,300	25,000	26,000
Selenium	NSE	5	4	3	<2	NA	<1 <1	<1	<1	2	2	5	5	5	5	5	3	3	<1	<1	4	4
Silver	0.32	NSE	2	<4	<6	NA	<1 <1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1J	<1J	<1	<1	<1J	<1J
Sodium	NSE	NSE	160,000	140,000	150,000	NA	130,000 150,000	<10	100,000	110,000	91,000	100,000	78,000	76,000	90,000	90,000	61,000	62,000	8,000	8,000	65,000	71,000
i nallium	1,400	40	<2	<4	<6	NA	<1 <1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vanadium	NSE	NSE 26.5	36	89	220	NA		2	2	1	<1	<1	<1	<1	<1	<1	<5	<5	<5	<5	<5	<5
	30.2	30.5	140	390	690	NA	<0 000	90	12	Ø	<5	<5	<5	10	<5	<5	<5	<5	38	34	<5	<5
		DIFIED 537 - (n	5/ L)	N1A	NIA	NIA.		NIA.	NIA	NIA.	N1A	N A	N/A	N/A	N1A	N14	N1A	N A	0.0011	0.4011	4.051	E 501
Perhuoroputanesuironic acid (PFBS)	INSE	NSE	NA NA	NA NA	NA NA	INA NA	INA INA	NA NA	INA NA	NA NA	NA NA	NA NA	INA NA	NA NA	NA NA	NA NA	NA NA	NA NA	2.090	2.130	4.85J	5.500
Periluoroneptanoic acid (PEHpA)	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/5	1/0	111	109
Perriuorohexanesultonic acid (PFHxS)	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.12J	9.39J	19.0J	19.4J
Pertluorooctanoic acid (PFOA)	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	656	736	319	310
Perfluorononanoic acid (PFNA)	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	308	310	70.3	75.6
Perfluorooctanesulfonic (PFOS)	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1930D	1560J	164J	150
Combination of PFOA and PFOS	NSE	NSE	NA	NA	NA	NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2586	2296	483	460
GENERAL CHEMISTRY																						
Chemical Oxygen Demand (mg/l)	NSE	NSE	560	282	377	NA	70	50	50	54	40	44	52	68	32	43	19	18	28	33	55	48
Ammonia-N (mg/l)	36.1	5.91	44.8	56.8	79	NA	33	0.62	21	22	25	24	21	19	23	23	110	100	1.5	1.3	19	19
				FIELD PARA	METERS																	
NOTES:				Temperatu	ure (degrees C	elcius)	12	18	14	16	15	16	15	NA	15	NA	11	NA	11	NA	15	NA
1. BDL = Below Detection Limit; NA = Not A	nalyzed			pH (standa	ard units)		6.2	6.6	6.4	6.6	5.1	6.6	6.3	NA	6.4	NA	6.6	NA	6.7	NA	6.3	NA
2. NSE indicates no standard has been estal	blished for the	e indicated para	meter.	Conductiv	ity (us/cm)		1,600	176	1,459	1,500	821	1,399	1,220	NA	1,283	NA	1,223	NA	189	NA	1,066	NA
3. NHDES Surface Water Standard are liste	d in Env Wq	1700		Dissolved	Oxygen (mg/l)		2.2	4.9	1.3	0.6	3.4	2.3	2.3	NA	2.6	NA	0.8	NA	5.1	NA	<0.5	NA
4. Acute and chronic standards based on tot	al dichlorober	nzenes		Turbidity (I	NTU)		18	90	10	9	2	17	144	NA	6	NA	10	NA	16	NA	18	NA
Ammonia-N standard is based on pH of 7	u at 14 C. sa	linoids not pres	ent	<ul> <li>Uxidation/</li> </ul>	Reduction Pote	ential (mv)	138	42	-38	-99	-/3	-/b	-102	NA	-111	NA	-60	NA	-25	NA	- 30	NA

6. A **bold** entry indicates the parameter exceeded the acute surface water standard.

6. A bold entry indicates the parameter exceeded the acute surface water standard.
7. Shaded values indicate the parameter exceeded the chronic surface water standard.
8. Bold and shaded values indicate exceedeances of both NHDES acute and chronic criteria.
9. Shaded values denote EPA Screening Level Child Recreator Exceedances, EF = 120 days
10. Volatile organic compounds and metals results are in micrograms per liter (µg/l).
11. Only volatile organic compounds detected in one or more leachate sample during the period shown are listed.
13. Refer to Table 2 and 3 for Field Parameter unit abbreviations
14. The laboratory detection limits (for 2013) were above the either the Acute or Chronic standard for the following

LABORATORY ANALYTICAL METHODS (Not Confirmed for Analyses Performed Prior to 2010) 1. Volatile Organic Compounds (VOC) analyzed by EPA Method 8260B. 2. 1,4-dioxane (low level) analyzed by EPA Method 8260B SIM 3. Metals analyzed by EPA Method 200.8 4. 000 Method 200.8

Chemical Oxygen Demand analyzed by 4500-NH3
 Ammonia-N analyzed by H8000



DUPLICATE SAMPLE COMPARISONS

Duplicate Comparisons Coakley Landfill Superfund Site North Hampton and Greenland, New Hampshire

#### DUPLICATE COMPARISON TABLE NOTES

#### **ABBREVIATIONS**

#### U Not Detected

- UJ Not Detected, detection limit estimated
- J Laboratory estimated value
- J- Laboratory estimated value, biased low
- J+ Laboratory estimated value, biased high
- EB Parameter Detected in Equipment Blank

#### <u>NOTES</u>

- 1. Primary/Duplicate sample pairs were evaluated for reproducibility to assess whether the sampling methods provide reproducible data. The relative percent difference (RPD) acceptance criteria is described in the September 2017 Sampling and Analysis Plan Table 4-3 (Field Quality Control Requirements).
- 2. Acceptance criteria for duplicates are  $\pm$  30% for aqueous samples and  $\pm$  50% for solid samples.
- 3. Exceedances of the acceptance criteria are shaded.
- 4. A Tier I Plus data validation was completed on the data set and laboratory results were qualified in accordance with the September 2017 Sampling and Analysis Plan. The flags (Qualifiers) listed in the duplicate comparison tables are based on the results of the Tier 1 Plus data validation.

Sample ID	nple ID							DUP	
Sample Collection Date			4/2	5/201	7	4/2	5/201	7	
Laboratory Sample ID			167	′944.´	14	167	′944.′	15	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Antimony	200.8-Dissolved	mg/L	0.001	U	0	0.001	U	0	0%
Dissolved Arsenic	200.8-Dissolved	mg/L	0.093			0.09			3%
Dissolved Barium	200.8-Dissolved	mg/L	0.06			0.059			2%
Dissolved Beryllium	200.8-Dissolved	mg/L	0.001	U	0	0.001	U	0	0%
Dissolved Calcium	200.8-Dissolved	mg/L	40			40			0%
Dissolved Chromium	200.8-Dissolved	mg/L	0.001	U	0	0.001	U	0	0%
Dissolved Iron	200.8-Dissolved	mg/L	22			22			0%
Dissolved Lead	200.8-Dissolved	mg/L	0.001	U	0	0.001	U	0	0%
Dissolved Magnesium	200.8-Dissolved	mg/L	17			18			6%
Dissolved Manganese	200.8-Dissolved	mg/L	1.2			1.2			0%
Dissolved Nickel	200.8-Dissolved	mg/L	0.006			0.006			0%
Dissolved Potassium	200.8-Dissolved	mg/L	16			16			0%
Dissolved Sodium	200.8-Dissolved	mg/L	58			59			2%
Dissolved Vanadium	200.8-Dissolved	mg/L	0.005	U	0.01	0.005	U	0.01	0%
			-			-			
Hexavalent Chromium	7196A	mg/L	0.1	UJ	0.1	0.1	UJ	0.1	0%
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%
2,2-Dichloropropane	8260B	ug/l	2	UJ	2	2	UJ	2	0%

Sample ID	nple ID							DUP	
Sample Collection Date			4/2	5/201	7	4/2	5/201	7	
Laboratory Sample ID			167	944.1	4	167	7944.1	5	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	U	10	10	U	10	0%
Benzene	8260B	ug/l	1			1			0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	U	2	2	U	2	0%
Bromomethane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	5			5			0%
Chloroethane	8260B	ug/l	6	J+		6	J+		0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	11			11			0%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%

Sample ID			GW	-AE-3	3A	GW-A	E-3A-	DUP	
Sample Collection Date			4/2	5/201	7	4/2	5/201	7	
Laboratory Sample ID			167	<b>'</b> 944.1	4	167	'944.´	15	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
			1						
1,4-Dioxane	8260B SIM	ug/l	14		0.25	16		0.25	13%
							1		
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	4.17	J		4.44	J		6%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	122			121			1%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	16.8			17.9	J		6%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	387			339			13%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	54.1			45.1			18%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	91.9			87.6			5%
Combination of PFOA and PFOS			478.9			426.6			12%
Notes on first name of table									

Sample ID		DW	/-25F	W	DV	V-25F	W		
Sample Collection Date			1/2	3/201	17	1/2	23/201	17	
Laboratory Sample ID			165	5073.0	06	16	5073.	07	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Total Arsenic	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Manganese	200.8-Total	mg/L	0.017			0.018			6%
1,4-Dioxane	8260B SIM	ug/l	0.25	U	0.25	0.25	U	0.25	0%
									_
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Combination of PFOA and PFOS			ND			ND			

Sample ID		D	W-R-	3	DW	-R-3-	Dup		
Sample Collection Date			1/2	4/201	17	1/2	24/20	17	
Laboratory Sample ID			165	5168.0	01	16	5168.	02	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Total Arsenic	200.8-Total	ma/L	0.001	U	0.001	0.001	U	0.001	0%
Total Manganese	200.8-Total	ma/L	0.19			0.19			0%
		<u>9</u> ,							
1.1.1.2-Tetrachloroethane	524.2	ua/l	2	U	2	2	U	2	0%
1.1.1-Trichloroethane	524.2	ua/l	2	U	2	2	U	2	0%
1.1.2.2-Tetrachloroethane	524.2	ua/l	2	U	2	2	U	2	0%
1.1.2-Trichloroethane	524.2	ua/l	2	U	2	2	U	2	0%
1 1-Dichloroethane	524.2	ua/l	2	U	2	2	U	2	0%
1 1-Dichloroethene	524.2	ua/l	1	U	1	1	U	1	0%
1 1-Dichloropropene	524.2	ua/l	2	U	2	2	U	2	0%
1 2 3-Trichlorobenzene	524.2	ua/l	1	U	1	1	U	1	0%
1 2 3-Trichloropropane	524.2	ua/l	2	U	2	2	U	2	0%
1 2 4-Trichlorobenzene	524.2	ua/l	1	U	1	1	U	1	0%
1 2 4-Trimethylbenzene	524.2	ug/l	1	U U	1	1	U U	1	0%
1 2-Dibromo-3-chloropropane	524.2	ug/l	2	U U	2	2	U U	2	0%
1 2-Dibromoethane(EDB)	524.2	ug/l	2		2	2	U	2	0%
1.2-Dichlorobenzene	524.2	ug/l	1		1	1		1	0%
1.2-Dichloroethane	524.2	ug/l	2		2	2	U U	2	0%
1.2-Dichloropropane	524.2	ug/l	2		2	2	<u> </u>	2	0%
1 3 5-Trichlorobenzene	524.2	ug/l	1		1	1		1	0%
1 3 5-Trimethylbenzene	524.2	ug/i	1		1	1		1	0%
1.3-Dichlorobenzene	524.2	ug/i	1		1	1		1	0%
1,3-Dichloropropane	524.2	ug/i	2		2	2		2	0%
1,3-Dichlorobenzene	524.2	ug/i	 1		1	2 1		1	0%
	524.2	ug/i	50		50	50		50	0%
2.2 Dichloropropano	524.2	ug/i	30		20	20		20	0%
2-Butanono(MEK)	524.2	ug/i	10		10	10		10	0%
2-Chlorotoluono	524.2	ug/i	2		2	2		2	0%
2-Uniorotolidene	524.2	ug/i	10		10	10		10	0%
	524.2	ug/i	10		10	10		10	0%
4 Mothul 2 pontonono(MIRK)	524.2	ug/i	2 10		10	2 10		10	0%
	524.2	ug/i	10		10	10		10	0%
Renzono	524.2	ug/i	10		10	10		10	0%
Bramahanzana	524.2	ug/i	1 2		1	1		1	0%
Bromoshlaramathana	524.2	ug/i	2		2	2		2	0%
Bromochioromethane	524.2	ug/i	2		2	2		2	0%
Bromodichioromethane	524.2	ug/i	0.5		0.5	0.5		0.5	0%
Bromorothana	524.2	ug/i	2		2	2		2	0%
Bromomethane	524.2	ug/i	 			2		 	0%
Carbon disulfide	524.2	ug/i	5		5	5	U	5	0%
Carbon tetrachioride	524.2	ug/i	2		2	2		2	0%
	524.2	ug/i	2		2	2		2	0%
	524.2	ug/I	5		5	5		5	U%
	524.2	ug/l	2		2	2	U	2	0%
	524.2	ug/I	2		2	2	U	2	0%
cis-1,2-Dichloroethene	524.2	ug/I	2		2	2	U	2	0%
cis-1,3-Dichloropropene	524.2	ug/l	2	U	2	2	U	2	0%

#### Duplicate Comparisons Coakley Landfill Superfund Site North Hampton and Greenland, New Hampshire

Sample ID			DW-R-3			DW	-R-3-[	Dup	
Sample Collection Date			1/2	4/201	7	1/2	24/201	17	
Laboratory Sample ID			165	5168.0	)1	165	5168.	02	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dibromochloromethane	524.2	ug/l	2	U	2	2	U	2	0%
Dibromomethane	524.2	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	524.2	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	524.2	ug/l	5	U	5	5	U	5	0%
Ethylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	524.2	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	524.2	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	524.2	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Methylene chloride	524.2	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	524.2	ug/l	5	U	5	5	U	5	0%
mp-Xylene	524.2	ug/l	1	U	1	1	U	1	0%
Naphthalene	524.2	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
o-Xylene	524.2	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	524.2	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Styrene	524.2	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	524.2	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	524.2	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	524.2	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	524.2	ug/l	10	U	10	10	U	10	0%
Toluene	524.2	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	524.2	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	524.2	ug/l	2	U	2	2	U	2	0%
Trichloroethene	524.2	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	524.2	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	524.2	ug/l	2	U	2	2	U	2	0%
	1								
1,4-Dioxane	8260B SIM	ug/l	0.33			0.34			3%
									1
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	8	U	8	8	U	8	0%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	8	U	8	8	U	8	0%
Combination of PFOA and PFOS			ND			ND			

Sample ID		GW-	GZ-1	05	GW-G2	Z-105	-DUP		
Sample Collection Date			5/1	/2017	7	5/2	1/201	7	
Laboratory Sample ID			168	160.1	5	168	3160.	18	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Total Antimony	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Arsenic	200.8-Total	mg/L	0.014			0.013			7%
Total Barium	200.8-Total	mg/L	0.044			0.042			5%
Total Beryllium	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Calcium	200.8-Total	mg/L	50			47			6%
Total Chromium	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Iron	200.8-Total	mg/L	3.8			3.5			8%
Total Lead	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Magnesium	200.8-Total	mg/L	19			18			5%
Total Manganese	200.8-Total	mg/L	0.42			0.39			7%
Total Nickel	200.8-Total	mg/L	0.007			0.007			0%
Total Potassium	200.8-Total	mg/L	6.3			6.1			3%
Total Sodium	200.8-Total	mg/L	130			130			0%
Total Vanadium	200.8-Total	mg/L	0.005	U	0.005	0.005	U	0.005	0%
	•					<u> </u>			
Hexavalent Chromium	7196A	mg/L	0.1	U	0.1	0.1	U	0.1	0%
							1		
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	UJ	1	1	UJ	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	3			2			40%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%
2,2-Dichloropropane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	UJ	10	10	UJ	10	0%

Sample ID			GW-	GW-G2	Z-105	-DUP			
Sample Collection Date			5/1	/2017	,	5/1	/201	7	
Laboratory Sample ID			168	160.1	5	168	160.1	18	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Benzene	8260B	ug/l	4			4			0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Bromomethane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	6			6			0%
Chloroethane	8260B	ug/l	7		5	7		5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	42			42			0%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	UJ	5	5	UJ	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	UJ	0.5	0.5	UJ	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ug/l	1		1	1		1	0%
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	UJ	5	5	UJ	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	UJ	30	30	UJ	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	30			30			0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dioxane	8260B SIM	ug/l	65			67			3%

Sample ID	Sample ID					GW-GZ	Z-105	-DUP	
Sample Collection Date			5/1	/2017	7	5/^	1/201	7	
Laboratory Sample ID			168	5	168	3160.1	18	Relative Percent	
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	13.4	J		14.9	J		11%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	123			140			13%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	66.4			64.1			4%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	340			425			22%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	19.8			23.4			17%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	163			211			26%
Combination of PFOA and PFOS			503			636			23%

Sample ID		GW	/-MW	/-4	GW-N	W-4-	DUP		
Sample Collection Date			5/*	1/201	7	5/*	1/201	7	
Laboratory Sample ID			168	3160.	05	168	160.0	06	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Antimony	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8-Dissolved	mg/L	0.046			0.042			9%
Dissolved Barium	200.8-Dissolved	mg/L	0.076			0.067			13%
Dissolved Beryllium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8-Dissolved	mg/L	68			60			13%
Dissolved Chromium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Iron	200.8-Dissolved	mg/L	26			23			12%
Dissolved Lead	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8-Dissolved	mg/L	22			19			15%
Dissolved Manganese	200.8-Dissolved	mg/L	1.2			1.1			9%
Dissolved Nickel	200.8-Dissolved	mg/L	0.009			0.008			12%
Dissolved Potassium	200.8-Dissolved	mg/L	35			32			9%
Dissolved Sodium	200.8-Dissolved	mg/L	37			34			8%
Dissolved Vanadium	200.8-Dissolved	mg/L	0.005	U	0.005	0.005	U	0.005	0%
		-	-						
Hexavalent Chromium	7196A	mg/L	0.1	U	0.1	0.1	U	0.1	0%
1,4-Dioxane	8260B SIM	ug/l	4.6			4.6			0%
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	8.41	J		7.82	J		7%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	707			709			0%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	35.7			31.3			13%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	1240	D		1050	D		17%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	59.8			54.5			9%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	55.8			60.6			8%
Combination of PFOA and PFOS			1296			1111			15%
Notes on first page of table									

Sample ID			l	L-1		L-L	-1-DL	JP	
Sample Collection Date			4/2	8/201	17	4/2	8/201	17	
Laboratory Sample ID			168	3017.2	24	168	3017.2	25	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Aluminum	200.8	mg/L	0.08			0.07			13%
Dissolved Antimony	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8	mg/L	0.002			0.002			0%
Dissolved Barium	200.8	mg/L	0.011			0.01			10%
Dissolved Beryllium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Cadmium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8	mg/L	17			16			6%
Dissolved Chromium	200.8	mg/L	0.001	U	0.001	0.001		0.001	0%
Dissolved Cobalt	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Copper	200.8	mg/L	0.009			0.008			12%
Dissolved Iron	200.8	mg/L	2.8			2.5			11%
Dissolved Lead	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8	mg/L	3.4			3.1			9%
Dissolved Manganese	200.8	mg/L	0.4			0.37			8%
Dissolved Mercury	200.8	mg/L	0.0001	U	0.0001	0.0001	U	0.0001	0%
Dissolved Nickel	200.8	mg/L	0.004			0.003			29%
Dissolved Potassium	200.8	mg/L	5.2			5.3			2%
Dissolved Selenium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Silver	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Sodium	200.8	mg/L	8			8			0%
Dissolved Thallium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Vanadium	200.8	mg/L	0.005	U	0.005	0.005	U	0.005	0%
Dissolved Zinc	200.8	mg/L	0.038			0.034			11%
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	UJ	1	1	UJ	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%

Sample ID			l	L-L-1		L-L	-1-DU	IP	
Sample Collection Date			4/2	28/201	7	4/2	28/201	7	
Laboratory Sample ID			168	3017.2	24	168	3017.2	25	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
2,2-Dichloropropane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	UJ	10	10	UJ	10	0%
Benzene	8260B	ug/l	1	U	1	1	U	1	0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Bromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
Chloroethane	8260B	ug/l	5	U	5	5	U	5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	5	U	5	5	U	5	0%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	UJ	5	5	UJ	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	UJ	0.5	0.5	UJ	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	UJ	5	5	UJ	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	UJ	30	30	UJ	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%

Sample ID			l	L-1		L-L	-1-DU	IP	
Sample Collection Date			4/2	8/201	7	4/2	8/201	7	
Laboratory Sample ID			168	3017.2	24	168	3017.2	25	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
Ammonia-N	TM NH3-001	mg/L	1.5			1.3			14%
COD	H8000	mg/L	28			33			16%
1,4-Dioxane	8260B SIM	ug/l	1.5			1.3			14%
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	2.09	U		2.13	U		2%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	175			170			3%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	9.12	J		9.39	J		3%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	656			736			11%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	308			310			1%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	1930	J		1560	J		21%
Combination of PFOA and PFOS			2586			2296			12%

Sample ID			SW	/-SW	-5	SW-S	W-5-	DUP	
Sample Collection Date			5/2	2/201	7	5/2	2/201	7	
Laboratory Sample ID			168	3160.2	22	168	160.2	24	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Aluminum	200.8	mg/L	0.05	U	0.05	0.05	U	0.05	0%
Dissolved Antimony	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8	mg/L	0.001			0.001			0%
Dissolved Barium	200.8	mg/L	0.009			0.009			0%
Dissolved Beryllium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Cadmium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8	mg/L	21			21			0%
Dissolved Chromium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Cobalt	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Copper	200.8	mg/L	0.002			0.001			67%
Dissolved Iron	200.8	mg/L	0.92			0.93			1%
Dissolved Lead	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8	mg/L	4.9			4.8			2%
Dissolved Manganese	200.8	mg/L	0.22			0.22			0%
Dissolved Mercury	200.8	mg/L	0.0001	U	0.0001	0.0001	U	0.0001	0%
Dissolved Nickel	200.8	mg/L	0.002			0.002			0%
Dissolved Potassium	200.8	mg/L	5.5			5.5			0%
Dissolved Selenium	200.8	ma/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Silver	200.8	ma/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Sodium	200.8	mg/L	15			14			7%
Dissolved Thallium	200.8	ma/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Vanadium	200.8	mg/L	0.005	U	0.005	0.005	U	0.005	0%
Dissolved Zinc	200.8	mg/L	0.007			0.006			15%
					1				
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%

Sample ID			SM	/-SW-	-5	SW-S	W-5-I	DUP	
Sample Collection Date			5/2	2/201	7	5/2	2/201	7	
Laboratory Sample ID			168	3160.2	22	168	3160.2	24	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
2,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	U	10	10	U	10	0%
Benzene	8260B	ug/l	1	U	1	1	U	1	0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Bromomethane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Chloroethane	8260B	ug/l	5	U	5	5	U	5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	5	U	5	5	U	5	0%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%

Sample ID			SN	/-SW-	-5	SW-S	W-5-I		
Sample Collection Date			5/2	2/2017	7	5/2	2/201	7	
Laboratory Sample ID			168	3160.2	22	168	3160.2	24	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	UJ	2	2	UJ	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
						•			
Ammonia-N	TM NH3-001	mg/L	0.05	U	0.05	0.05	U	0.05	0%
1,4-Dioxane	8260B SIM	ug/l	0.59			0.63			7%
	-					-			
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	2.3	U	2.3	2.07	U	2.07	11%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	222			218			2%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	13.8	J		13.3	J		4%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	794	J		742	J		7%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	296			308			4%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	391	JD		770	JD		65%
Combination of PFOA and PFOS			1185			1512			24%

Sample ID				SED-5	5	S-SE	D-5-D	DUP	
Sample Collection Date			5/2	2/2017	7	5/2	2/201	7	
Laboratory Sample ID			168	160.2	.3	168	3160.2	25	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Solids Total	2540G-91	Percent	23.6			22.7			4%
			-			-			
Total Aluminum	6020	mg/kg	11000			12000			9%
Total Antimony	6020	mg/kg	1.9			2			5%
Total Arsenic	6020	mg/kg	12			13			8%
Total Barium	6020	mg/kg	110			120			9%
Total Beryllium	6020	mg/kg	0.7			0.7			0%
Total Cadmium	6020	mg/kg	0.6			0.6			0%
Total Calcium	6020	mg/kg	7000			7700			10%
Total Chromium	6020	mg/kg	23			23			0%
Total Cobalt	6020	mg/kg	6.9			7.7			11%
Total Copper	6020	mg/kg	36			37			3%
Total Iron	6020	mg/kg	15000			16000			6%
Total Lead	6020	mg/kg	68			65			5%
Total Magnesium	6020	mg/kg	3000			3100			3%
Total Manganese	6020	mg/kg	290			310			7%
Total Mercury	6020	mg/kg	0.5			1			67%
Total Nickel	6020	mg/kg	20			21			5%
Total Potassium	6020	mg/kg	2900			2900			0%
Total Selenium	6020	mg/kg	1.5			1.5			0%
Total Silver	6020	mg/kg	0.5	U	0.5	0.5	U	0.5	0%
Total Sodium	6020	mg/kg	300			300			0%
Total Thallium	6020	mg/kg	0.5	U	0.5	0.5	U	0.5	0%
Total Vanadium	6020	mg/kg	37			37			0%
Total Zinc	6020	mg/kg	80			82			2%
1,4-Dioxane	8260B SIM	ug/l	0.4	U	0.4	0.5	U	0.5	22%
		-	-						
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	1.22	U	1.22	1.23	U	1.23	1%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	3.37	J		3.5	J		4%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	1.29	U	1.29	1.3	UJ	1.3	1%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	16.9			17.1	J		1%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	20.9			22.5			7%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	152	JD		164	JD		8%
Combination of PFOA and PFOS			168.9			181.1			7%

Duplicate Comparisons Coakley Landfill Superfund Site North Hampton and Greenland, New Hampshire

#### DUPLICATE COMPARISON TABLE NOTES

#### **ABBREVIATIONS**

#### U Not Detected

- UJ Not Detected, detection limit estimated
- J Laboratory estimated value
- J- Laboratory estimated value, biased low
- J+ Laboratory estimated value, biased high
- R Rejected based on data validation
- EB Parameter Detected in Equipment Blank

#### **NOTES**

- Primary/Duplicate sample pairs were evaluated for reproducibility to assess whether the sampling methods provide reproducible data. The relative percent difference (RPD) acceptance criteria is described in the September 2017 Sampling and Analysis Plan Table 4-3 (Field Quality Control Requirements).
- 2. Acceptance criteria for duplicates are  $\pm$  30% for aqueous samples and  $\pm$  50% for solid samples.
- 3. Exceedances of the acceptance criteria are shaded.
- 4. A Tier I Plus data validation was completed on the data set and laboratory results were qualified in accordance with the September 2017 Sampling and Analysis Plan. The flags (Qualifiers) listed in the duplicate comparison tables are based on the results of the Tier 1 Plus data validation.

## Duplicate Comparisons

## Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			GW	/-AE-	3A	GW-A	E-3A	-DUP	
Sample Collection Date			9/1	4/20	17	9/1	4/20	17	
Laboratory Sample ID			1701265-19		170	1265	-18	<b>Relative Percent</b>	
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Antimony	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8-Dissolved	mg/L	0.11			0.11			0%
Dissolved Barium	200.8-Dissolved	mg/L	0.065			0.063			3%
Dissolved Beryllium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8-Dissolved	mg/L	43			42			2%
Dissolved Chromium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Iron	200.8-Dissolved	mg/L	23			23			0%
Dissolved Lead	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8-Dissolved	mg/L	19			19			0%
Dissolved Manganese	200.8-Dissolved	mg/L	1.3			1.3			0%
Dissolved Nickel	200.8-Dissolved	mg/L	0.007			0.007			0%
Dissolved Potassium	200.8-Dissolved	mg/L	17			17			0%
Dissolved Sodium	200.8-Dissolved	mg/L	62			61			2%
Dissolved Vanadium	200.8-Dissolved	mg/L	0.005	U	0.005	0.005	U	0.005	0%
	•								
Hexavalent Chromium	7196A	mg/L	0.1	R	0.1	0.1	R	0.1	0%
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/L	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%
2,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%

Page 2 of 15

## Duplicate Comparisons

## Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			GW	/-AE-	3A	GW-A	E-3A	-DUP	
Sample Collection Date			9/1	4/20	17	9/1	14/201	17	
Laboratory Sample ID			170	1265	-19	170	1265	-18	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	U	10	10	U	10	0%
Benzene	8260B	ug/l	1			1			0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	U	2	2	U	2	0%
Bromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	6			6			0%
Chloroethane	8260B	ug/l	7			7			0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	13			12			8%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%

Page 3 of 15

## Duplicate Comparisons

## Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			GW	/-AE-	3A	GW-A	E-3A	-DUP	
Sample Collection Date			9/1	4/20	17	9/1	4/201	17	
Laboratory Sample ID			1701265-19		1701265-18			<b>Relative Percent</b>	
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dioxane	8260B SIM	ug/l	18		0.25	19		0.25	5%
Laboratory Sample ID		-	1701265-19		1701265-18				
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	4.63	J	2.27	5.04	J	2.26	8%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	98.3		2.67	85		2.66	15%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	17.8	J	1.21	18.4		1.2	3%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	224	J	1.19	247		1.18	10%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	47.3	J	2.16	44.2		2.15	7%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	76.8		1.08	76.3		1.08	1%
Combination of PFOA and PFOS			300.8			323.3			7%

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Page 4 of 15

Duplicate Comparisons

Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			DW	21SN	/W	DW-2	1SMV	V Dup	
Sample Collection Date			9/1	2/201	17	9/*	12/20	17	
Laboratory Sample ID			173	3526.0	01	17	3526.	02	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result Flag RL			Difference (RPD)
Total Arsenic	200.8-Total	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Manganese	200.8-Total	mg/L	0.07			0.07			0%
1,4-Dioxane	8260B SIM	ug/l	0.25	U	0.25	0.25	U	0.25	0%
Laboratory Sample ID			170	1265-	·30	170	1265	-35	
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	2.24	U	2.24	2.27	U	2.27	1%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	2.64	U	2.64	2.67	U	2.67	1%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	1.2	U	1.2	1.21	U	1.21	1%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	2.21	J		1.19	U	1.19	60%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	2.14	U	2.14	2.16	U	2.16	1%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	1.07	U	1.07	1.08	U	1.08	1%
Combination of PFOA and PFOS			2.21	J		ND			
Mater an first same of table									

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Page 5 of 15

## Duplicate Comparisons

## Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			D	3	DW	-R-3	Dup		
Sample Collection Date			9/1	17	9/1	4/20	17 16	Polotivo Porcont	
Laboratory Sample ID	Method	Unite	173 Rosult	526. Flag	15 <b>PI</b>		3526. Flag	16 <b>PI</b>	Difference (RPD)
Total Arsenic	200.8-Total	ma/L	0.001	U	0.001	0.001	U	0.001	
Total Manganese	200.8-Total	mg/L	0.15			0.14	•		7%
	-								
1,1,1,2-Tetrachloroethane	524.2	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	524.2	ug/l	2	U	2	2	U	2	0%
1,1,2,2- I etrachioroethane	524.2	ug/I	2		2	2		2	0%
1,1,2-Inchloroethane	524.2	ug/i	2		2	2		2	0%
1.1-Dichloroethene	524.2	ug/i ua/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	524.2	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	524.2	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	524.2	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	524.2	ug/l	1	U	1	1	U	1	0%
1,2,4- I rimethylbenzene	524.2	ug/l	1	U	1	1	0	1	0%
1,2-Dibromo-3-Chioropropane	524.Z	ug/i	2		2	2		2	0%
1 2-Dichlorobenzene	524.2	ug/i ua/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	524.2	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	524.2	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	524.2	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	524.2	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	524.2	ug/l	2	U	2	2		2	0%
1,4-Dichlorobenzene	524.2	ug/i	50		50	50		50	0%
2 2-Dichloropropane	524.2	ug/i ua/l	2	U	2	2	U	2	0%
2-Butanone(MEK)	524.2	ua/l	10	U	10	10	U	10	0%
2-Chlorotoluene	524.2	ug/l	2	U	2	2	U	2	0%
2-Hexanone	524.2	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	524.2	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	524.2	ug/l	10	U	10	10	U	10	0%
Acetone	524.2	ug/l	10	U	10	10	0	10	0%
Benzene	524.Z	ug/i	1		2	2		1	0%
Bromochloromethane	524.2	ug/I ug/I	2	U	2	2	0	2	0%
Bromodichloromethane	524.2	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	524.2	ug/l	2	U	2	2	U	2	0%
Bromomethane	524.2	ug/l	2	U	2	2	U	2	0%
Carbon disulfide	524.2	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	524.2	ug/l	2	U	2	2	<u> </u>	2	0%
Chloroothana	524.2	ug/i	1		1	1		1	0%
Chloroform	524.2	ug/i	2	U	2	2	<u> </u>	2	0%
Chloromethane	524.2	ua/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	524.2	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	524.2	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	524.2	ug/l	2	U	2	2	U	2	0%
Dibromomethane	524.2	ug/l	2	U	2	2	<u>U</u>	2	0%
Dichlorodifluoromethane	524.2	ug/l	5	U	5	5	0	5	0%
Ethylbenzene	524.2 524.2	ug/i	2 1		5 1	5 1		2 1	0%
Ethyl-t-butyl ether(ETBE)	524.2	ug/i	5	U	5	5	U	5	0%
Hexachlorobutadiene	524.2	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	524.2	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Methylene chloride	524.2	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MIBE)	524.2	ug/l	5	U	5	5	U	5	0%
mp-Xylene	524.2	ug/i	1		1	1		1	0%
n-Butylbenzene	524.2	ug/i ua/l	1	U	1	1	U	1	0%
n-Propylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
o-Xylene	524.2	ug/l	1	U	1	1	U	1	0%
p-lsopropyltoluene	524.2	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	524.2	ug/l	1	U	1	1	U	1	0%
Styrene	524.2	ug/l	1	U	1 -	1-	U	1 -	0%
tert-amyl methyl ether(TAME)	524.2	ug/l	5	U	5	5	U	5	0%
tert-Butylbenzono	524.Z	ug/I	3U 1		30 1	3U 1		30 1	0%
Tetrachloroethene	524.2	ug/i	2	1	2	2	1	2	0%
Tetrahydrofuran(THF)	524.2	ug/l	10	U	10	10	U	10	0%
Toluene	524.2	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	524.2	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	524.2	ug/l	2	U	2	2	U	2	0%
	524.2	ug/l	2	U	2	2	U	2	0%
Vipyl chlorido	524.Z	ug/l	5	U 11	5	5	U	5	0%
	1024.2	uy/I	2		L <b>Z</b>	- 4	U	<b>⊢</b> ∠	U /0

Page 6 of 15

Duplicate Comparisons

Coakley Landfill Superfund Site

## North Hampton and Greenland, New Hampshire

Sample ID			D	W-R-	3	DW	-R-3 [	Dup	]
Sample Collection Date			9/1	4/201	17	9/1	4/201	7	
Laboratory Sample ID			173	3526.	15	17:	3526.	16	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result Flag RL			Difference (RPD)
1,4-Dioxane	8260B SIM	ug/l	0.28		0.25	0.32		0.25	13%
Laboratory Sample ID			1701265-01			1701265-02			
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	2.3	U	2.3	2.32	U	2.32	1%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	2.72	U	2.72	2.74	U	2.74	1%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	1.23	U	1.23	1.24	U	1.24	1%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	2.03	J		1.22	U	1.22	50%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	2.2	U	2.2	2.21	U	2.21	0%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	1.1	U	1.1	1.11	U	1.11	1%
Combination of PFOA and PFOS			2.03	J		ND			
Notes on first page of table							·		

Page 7 of 15
# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID			GW-	GZ-1	05	GW-GZ	Z-105	-DUP	
Sample Collection Date			9/19	9/201	7	9/1	9/201	7	
Laboratory Sample ID			173	<u>571.2</u>	29	17:	3571.	3	Relative Percent
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Total Antimony	200.8-1 otal	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Total Arsenic	200.8-1 otal	mg/L	0.012			0.012			0%
Total Barillium	200.8-10tal	mg/∟	0.039		0.001	0.04		0.001	3%
Total Beryllium	200.8-10tal	mg/∟ ma/l	0.001	U	0.001	0.001	U	0.001	0%
Total Calcium	200.8-10tal	mg/∟ ma/l	45		0.001	47		0.001	4%
Total Iron	200.8-10(a)	mg/∟	0.001	0	0.001	2.5	0	0.001	0%
Total Load	200.8-Total	mg/∟	0.001	11	0.001	0.001	11	0.001	0%
Total Magnesium	200.0-10tal	ma/l	18	0	0.001	19	0	0.001	5%
Total Manganese	200.8-Total	ma/l	0.41			0.43			5%
Total Nickel	200.8-Total	ma/L	0.007			0.007			0%
Total Potassium	200.8-Total	ma/L	5.8			6			3%
Total Sodium	200.8-Total	ma/L	130			130			0%
Total Vanadium	200.8-Total	ma/L	0.005	U	0.005	0.005	U	0.005	0%
		U U		1					
Hexavalent Chromium	7196A	mg/L	0.1	U	0.1	0.1	U	0.1	0%
	•								
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3,5-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	2			2			0%
1,4-Dioxane	8260B	ug/I	50	U	50	50	0	50	0%
2,2-Dichloropropane	8260B	ug/I	2	0	2	2	0	2	0%
	8260B	ug/i	10		10	10	0	10	0%
2-Chiorotoluene	8260B	ug/i			2 10			2 10	0%
	8200B	ug/i	10		10	10		10	0%
4 Mothyl 2 poptapopo(MIRK)	0200D	ug/i	2 10		2 10	2 10		2 10	0%
	0200B	ug/i	10		10	10		10	0%
Bonzono	8260B	ug/i	10	0	10	10	0	10	0%
Bromobenzene	8260B	ug/i ug/l	2	11	2	2		2	0%
Bromochloromethane	8260B	ug/i ug/l	2		2	2		2	0%
Bromodichloromethane	8260B	ug/i	0.5		2 05	0.5		0.5	0%
Bromoform	8260B	ug/i	2	U	2	2	<u> </u>	2	0%
Bromomethane	8260B	ua/l	2	U	2	2	U	2	0%
Carbon disulfide	8260B	ua/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ua/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ua/l	5			5	•	_	0%
Chloroethane	8260B	ua/l	5	U	5	5	U	5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ua/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Diethyl Ether	8260B	ug/l	28			28			0%
Ethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B U		1	U	1	1	U	1	0%
Methylene chloride	8260B		5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B u		5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B u		1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%

Page 8 of 15

# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

				<u> </u>	00	002	- 100	-001	
ample Collection Date			9/19	9/201	7	9/1	9/201	7	
aboratory Sample ID			173	571.2	9	173	3571.	3	<b>Relative Percent</b>
arameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
ec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
tyrene	8260B	ug/l	1	U	1	1	U	1	0%
ert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
ert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
ert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
etrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
etrahydrofuran(THF)	8260B	ug/l	20			20			0%
oluene	8260B	ug/l	1	U	1	1	U	1	0%
ans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
ans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
richloroethene	8260B	ug/l	2	U	2	2	U	2	0%
richlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
'inyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
,4-Dioxane	8260B SIM	ug/l	54		0.25	51		0.25	6%
aboratory Sample ID		_	1701	265-	52	170 <i>°</i>	1265-	53	
erfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	10.2	J	2.31	9.88	J	2.37	3%
erfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	90.9		2.73	96.4		2.79	6%
erfluorohexanesulfonic acid (PFHx	5) 537 Modified	ng/L	37		1.23	43.1		1.26	15%
erfluorooctanoic acid (PFOA)	537 Modified	ng/L	220		1.21	226		1.24	3%
erfluorononanoic acid (PFNA)	537 Modified	ng/L	22.4		2.2	26.4		2.26	16%
erfluorooctanesulfonic (PFOS)	537 Modified	ng/L	141		1.1	145		1.13	3%
ombination of PFOA and PFOS			361			371			3%

Notes on first page of table

Page 9 of 15

### Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID			GW	-4	GW-M	W-4-	DUP		
Sample Collection Date			9/1	9/201	7	9/1	9/201	7	
Laboratory Sample ID			173	8571.0	)4	173	571.0	)8	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Antimony	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8-Dissolved	mg/L	0.051			0.049			4%
Dissolved Barium	200.8-Dissolved	mg/L	0.059			0.061			3%
Dissolved Beryllium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8-Dissolved	mg/L	65			68			5%
Dissolved Chromium	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Iron	200.8-Dissolved	mg/L	25			26			4%
Dissolved Lead	200.8-Dissolved	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8-Dissolved	mg/L	20			21			5%
Dissolved Manganese	200.8-Dissolved	mg/L	1.2			1.3			8%
Dissolved Nickel	200.8-Dissolved	mg/L	0.008			0.008			0%
Dissolved Potassium	200.8-Dissolved	mg/L	28			29			4%
Dissolved Sodium	200.8-Dissolved	mg/L	28			29			4%
Dissolved Vanadium	200.8-Dissolved	mg/L	0.005	U	0.005	0.005	U	0.005	0%
Hexavalent Chromium	7196A	mg/L	0.1	U	0.1	0.1	U	0.1	0%
1,4-Dioxane	8260B SIM	ug/l	7.2	J	0.25	2.4	J	0.25	100%
Laboratory Sample ID		-	170	1265-	74	170 <sup>-</sup>	1265-	75	
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	11.3	J+	2.37	8.05	J+	2.26	34%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	431		2.79	427		2.67	1%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	31.4		1.26	40.5		1.21	25%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	758		1.24	887		1.19	16%
Perfluorononanoic acid (PFNA)	537 Modified r		28.1		2.26	25.5		2.16	10%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	27		1.13	25.5		1.08	6%
Combination of PFOA and PFOS		-	785			912.5			15%

Notes on first page of table

Page 10 of 15

# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID				L-L-1		L-L	1-Dl	JP	
Sample Collection Date			9/2	<u>21/20</u>	17	9/2	21/20	17	
Laboratory Sample ID			17	3571.	32	17	3571.	33	Relative Percent
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Dissolved Aluminum	200.0	mg/∟	0.1		0.001	0.1		0.001	0%
Dissolved Anamony	200.8	ma/l	0.001	0	0.001	0.001	0	0.001	0%
Dissolved Barium	200.8	ma/L	0.075			0.078			4%
Dissolved Beryllium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Cadmium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Calcium	200.8	mg/L	57			57			0%
Dissolved Chromium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Cobalt	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Copper	200.8	mg/L	0.001	U		0.001	U		0%
Dissolved Iron	200.8	mg/L	32		0.004	33		0.004	3%
Dissolved Lead	200.8	mg/∟	0.001	U	0.001	0.001	U	0.001	0% 5%
Dissolved Magazese	200.0	mg/∟	28			20			3% 1%
Dissolved Marganese	200.8	ma/l	0.0002	U	0.0002	0.0002	U	0.0002	0%
Dissolved Nickel	200.8	Prima	0.005		0.0002	0.005		0.0002	0%
Dissolved Potassium	200.8	mg/L	25			26			4%
Dissolved Selenium	200.8	mg/L	0.004		0.001	0.004		0.001	0%
Dissolved Silver	200.8	A Tier	0.001	UJ	0.001	0.001	UJ	0.001	0%
Dissolved Sodium	200.8	mg/L	65			71			9%
Dissolved Thallium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Vanadium	200.8	mg/L	0.005	U	0.005	0.005	U	0.005	0%
Dissolved Zinc	200.8	mg/L	0.005	U		0.005	U		0%
	00000	4	-	1	•				
1,1,1,2-I etrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-I richloroethane	8260B	ug/I	2		2	2		2	0%
1,1,2,2-Tetrachioroethane	0200D 8260B	ug/i	2		2	2		2	0%
1 1-Dichloroethane	8260B	ug/i ua/l	2		2	2		2	0%
1 1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1.1-Dichloropropene	8260B	ua/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-Trichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-Trimethylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dibromo-3-chloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dibromoethane(EDB)	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,3,5-Trichlorobenzene	8260B	ug/i	1		1	1		1	0%
1,3,5-minetryibenzene	8260B	ug/i ug/l	1		1	1		1	0%
1.3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,4-Dichlorobenzene	8260B	ug/l	2		1	2	-	1	0%
1,4-Dioxane	8260B	ug/l	50	U	50	50	U	50	0%
2,2-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Ronzono	0200D	ug/i	10	U	10	10	U	10	0%
Bromohenzene	8260B	ug/i ug/l	2	11	2	2		2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	U	2	2	U	2	0%
Bromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	2		1	2		1	0%
Chloroethane	8260B	ug/l	5	U	5	5	U	5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/i	2		2	2		2	0%
Dibromochloromothana	0200D	ug/i	2		2	2		2	0%
Dibromomethane	8260B	uy/i ua/i	2		2	2		2	0%
Dichlorodifluoromethane	8260B	ua/l	5		5	5		5	0%
Diethyl Ether	8260B	ua/l	7		5	7		5	0%
Ethylbenzene	8260B	uq/l	1	U	1	1	U	1	0%
Ethyl-t-butyl ether(ETBE)	8260B	ug/l	5	U	5	5	U	5	0%
Hexachlorobutadiene	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Isopropyl ether(DIPE)	8260B	ug/l	5	U	5	5	U	5	0%
IsoPropylbenzene	8260B	ua/l	1	U	1	1	U	1	0%

Page 11 of 15

### Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID		L-L-1				1-DI	UP		
Sample Collection Date			9/2	21/201	17	9/2	21/20	17	
Laboratory Sample ID			17	3571.	32	17	3571.	33	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
	-								
Ammonia-N	TM NH3-00	mg/L	55			48			14%
COD	H8000	mg/L	19			19			0%
1,4-Dioxane	8260B SIN	lug/l	17			18			6%
Laboratory Sample ID	1		170	)1265	-85	170	1265	-86	
Perfluorobutanesulfonic acid (PFBS)	537 Modifie	ng/L	4.85	J		5.5	J		13%
Perfluoroheptanoic acid (PFHpA)	537 Modifie	ng/L	111			109			2%
Perfluorohexanesulfonic acid (PFHxS)	537 Modifie	ng/L	19	J		19.4	J		2%
Perfluorooctanoic acid (PFOA)	537 Modifie	319			310			3%	
Perfluorononanoic acid (PFNA)	537 Modifie	70.3			75.6			7%	
Perfluorooctanesulfonic (PFOS)	537 Modifie	164			150			9%	
Combination of PFOA and PFOS			483			460			5%

Notes on first page of table

Page 12 of 15

# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID			SV	V-SW	-5	SW-S	SW-5-	DUP	
Sample Collection Date			9/*	<u>19/20</u>	17	9/*	19/20	17	
Laboratory Sample ID		<b>I</b> 1/	17	3571.	36	17	3571.	37	Relative Percent
Parameter	Method	Units	Result	Flag	RL	Result	Flag		Difference (RPD)
Dissolved Aluminum	200.8	mg/L	0.1	U	0.1	0.1	U	0.1	0%
Dissolved Antimony	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Arsenic	200.8	mg/∟	0.003			0.003			0%
Dissolved Banum	200.8	mg/L	0.02	11	0.001	0.019	11	0.001	0% 0%
Dissolved Cadmium	200.8	mg/∟	0.001		0.001	0.001		0.001	0%
Dissolved Calcium	200.8	mg/∟	36	0	0.001	35	0	0.001	3%
Dissolved Calcium	200.8	mg/∟	0.001	11	0.001	0.001	11	0.001	0%
Dissolved Cobalt	200.8	ma/l	0.001	0	0.001	0.001	0	0.001	0%
Dissolved Copper	200.8	ma/l	0.001	U	0.001	0.001		0.001	0%
Dissolved Iron	200.8	ma/L	0.78			0.7			11%
Dissolved Lead	200.8	ma/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Magnesium	200.8	ma/L	9.6	-	0.001	9.5			1%
Dissolved Manganese	200.8	mg/L	3			3			0%
Dissolved Mercury	200.8	mg/L	0.0002	U	0.0002	0.0002	U	0.0002	0%
Dissolved Nickel	200.8	mg/L	0.004			0.004			0%
Dissolved Potassium	200.8	mg/L	12			12			0%
Dissolved Selenium	200.8	mg/L	0.002		0.001	0.001		0.001	67%
Dissolved Silver	200.8	mg/L	0.001	UJ	0.001	0.001	UJ	0.001	0%
Dissolved Sodium	200.8	mg/L	30			30			0%
Dissolved Thallium	200.8	mg/L	0.001	U	0.001	0.001	U	0.001	0%
Dissolved Vanadium	200.8	mg/L	0.005	U	0.005	0.005	U	0.005	0%
Dissolved Zinc	200.8	mg/L	0.005	U		0.007			33%
		-				-			
1,1,1,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,1-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2,2-Tetrachloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1,2-Trichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethane	8260B	ug/l	2	U	2	2	U	2	0%
1,1-Dichloroethene	8260B	ug/l	1	U	1	1	U	1	0%
1,1-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
1,2,3-Trichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,3-1 richloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1,2,4-Irichlorobenzene	8260B	ug/l	1	U	1	1	U	1	0%
1,2,4-1 rimethylbenzene	8260B	ug/I	1	U	1	1	U	1	0%
1,2-Dibromo-3-chioropropane	8260B	ug/i	2	U	2	2		2	0%
1,2-Dibromoetnane(EDB)	8260B	ug/I	2		2	2			0%
1,2-Dichloropenzene	8200B	ug/i	1		1	1		1	0%
1,2-Dichloropropapa	0200B	ug/i	2		2	2		2	0%
1,2-Dichloropropane	8260B	ug/i	 1	03	 1	 1		<u> </u>	0%
1 3 5-Trimethylbenzene	8260B	ug/i	1		1	1		1	0%
1 3-Dichlorobenzene	8260B	ug/i	1		1	1		1	0%
1.3-Dichloropropane	8260B	ug/l	2	U	2	2	U	2	0%
1.4-Dichlorobenzene	8260B	ua/l	1	U	1	1	U	1	0%
1.4-Dioxane	8260B	ua/l	50	U	50	50	U	50	0%
2.2-Dichloropropane	8260B	ua/l	2	U	2	2	U	2	0%
2-Butanone(MEK)	8260B	ug/l	10	U	10	10	U	10	0%
2-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
2-Hexanone	8260B	ug/l	10	U	10	10	U	10	0%
4-Chlorotoluene	8260B	ug/l	2	U	2	2	U	2	0%
4-Methyl-2-pentanone(MIBK)	8260B	ug/l	10	U	10	10	U	10	0%
Acetone	8260B	ug/l	10	U	10	10	U	10	0%
Benzene	8260B	ug/l	1	UJ	1	1	UJ	1	0%
Bromobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Bromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Bromodichloromethane	8260B	ug/l	0.5	U	0.5	0.5	U	0.5	0%
Bromoform	8260B	ug/l	2	U	2	2	U	2	0%
Bromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Carbon disulfide	8260B	ug/l	5	U	5	5	U	5	0%
Carbon tetrachloride	8260B	ug/l	2	U	2	2	U	2	0%
Chlorobenzene	8260B	ug/l	2	U	2	2	U	2	0%
Chloroethane	8260B	ug/l	5	U	5	5	U	5	0%
Chloroform	8260B	ug/l	2	U	2	2	U	2	0%
Chloromethane	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
cis-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Dibromochloromethane	8260B	ug/l	2	U	2	2	U	2	0%
Dibromomethane	8260B	ug/l	2	U	2	2	U	2	0%
Dichlorodifluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
	8260B	ug/l	5	UJ	5	5	UJ	5	0%
	8260B	ug/l	1	U	1	1	U	1	0%
Etnyi-t-butyi ether(EIBE)	8260B	ug/l	5	U	5	5	U	5	0%
	8260B	ug/l	0.5		0.5	0.5	U	0.5	0%
	0200B	ug/I	5	U 	5	5	U 	5	0%
ISOPTOPYIDENZENE	∣ŏ∠bUB	ug/l	1	U	1	1	U	1	0%

Page 13 of 15

# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID			SV	V-SW	-5	SW-S	SW-5-		
Sample Collection Date			9/	19/20 <sup>-</sup>	17	9/*	19/20 <sup>-</sup>	17	
Laboratory Sample ID			17	3571.	36	17	3571.	37	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Methylene chloride	8260B	ug/l	5	U	5	5	U	5	0%
Methyl-t-butyl ether(MTBE)	8260B	ug/l	5	U	5	5	U	5	0%
mp-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
Naphthalene	8260B	ug/l	5	U	5	5	U	5	0%
n-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
n-Propylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
o-Xylene	8260B	ug/l	1	U	1	1	U	1	0%
p-Isopropyltoluene	8260B	ug/l	1	U	1	1	U	1	0%
sec-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Styrene	8260B	ug/l	1	U	1	1	U	1	0%
tert-amyl methyl ether(TAME)	8260B	ug/l	5	U	5	5	U	5	0%
tert-Butyl Alcohol (TBA)	8260B	ug/l	30	U	30	30	U	30	0%
tert-Butylbenzene	8260B	ug/l	1	U	1	1	U	1	0%
Tetrachloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Tetrahydrofuran(THF)	8260B	ug/l	10	U	10	10	U	10	0%
Toluene	8260B	ug/l	1	U	1	1	U	1	0%
trans-1,2-Dichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
trans-1,3-Dichloropropene	8260B	ug/l	2	U	2	2	U	2	0%
Trichloroethene	8260B	ug/l	2	U	2	2	U	2	0%
Trichlorofluoromethane	8260B	ug/l	5	U	5	5	U	5	0%
Vinyl chloride	8260B	ug/l	2	U	2	2	U	2	0%
						-			
Ammonia-N	TM NH3-001	mg/L	0.3		0.05	0.05	U	0.05	143%
1,4-Dioxane	8260B SIM	ug/l	2			1.9			5%
				· · · · ·					
Laboratory Sample ID			17	01265	5.6	170	1265	-61	
Perfluorobutanesulfonic acid (PFBS)	537 Modified	ng/L	6.26	J+		5.26	J+		17%
Perfluoroheptanoic acid (PFHpA)	537 Modified	ng/L	336			334			1%
Perfluorohexanesulfonic acid (PFHxS)	537 Modified	ng/L	22.5	J		17.9	J		23%
Perfluorooctanoic acid (PFOA)	537 Modified	ng/L	648			683			5%
Perfluorononanoic acid (PFNA)	537 Modified	ng/L	249	J		316			24%
Perfluorooctanesulfonic (PFOS)	537 Modified	ng/L	1120			1100			2%
Combination of PFOA and PFOS			1768			1783			1%

Notes on first page of table

Page 14 of 15

# Duplicate Comparisons

# Coakley Landfill Superfund Site

### North Hampton and Greenland, New Hampshire

Sample ID			S-	SED-	5	S-S	ED-5-D	DUP	
Sample Collection Date			9/1	9/201	7	9	/19/201	7	
Laboratory Sample ID			173	3571.3	39	1	73571.	4	<b>Relative Percent</b>
Parameter	Method	Units	Result	Flag	RL	Result	Flag	RL	Difference (RPD)
Solids Total	2540G-91	Percent	56.4			56.1			1%
Total Aluminum	6020	mg/kg	34000			33000			3%
Total Antimony	6020	mg/kg	0.5	U	0.5	0.5	U	0.5	0%
Total Arsenic	6020	mg/kg	11			13			17%
Total Barium	6020	mg/kg	210			220			5%
Total Beryllium	6020	mg/kg	2			2			0%
Total Cadmium	6020	mg/kg	0.5	U	0.5	0.5	U	0.5	0%
Total Calcium	6020	mg/kg	3200			3300			3%
Total Chromium	6020	mg/kg	63			61			3%
Total Cobalt	6020	mg/kg	11			11			0%
Total Copper	6020	mg/kg	33			35			6%
Total Iron	6020	mg/kg	29000			29000			0%
Total Lead	6020	mg/kg	22			25			13%
Total Magnesium	6020	mg/kg	9000			8900			1%
Total Manganese	6020	mg/kg	420			420			0%
Total Mercury	6020	mg/kg	0.1	U	0.1	0.1	U	0.1	0%
Total Nickel	6020	mg/kg	41			41			0%
Total Potassium	6020	mg/kg	9300			8700			7%
Total Selenium	6020	mg/kg	0.5	U		0.5			0%
Total Silver	6020	mg/kg	0.5	U	0.5	0.5	U	0.5	0%
Total Sodium	6020	mg/kg	600			500			18%
Total Thallium	6020	mg/kg	0.5		0.5	0.6		0.5	18%
Total Vanadium	6020	mg/kg	47			48			2%
Total Zinc	6020	mg/kg	110			110			0%
								•	
1,4-Dioxane	8260B SIM	mg/kg	0.2	U	0.2	0.1	U	0.1	67%
Laboratory Sample ID	•		170	1265-	79	17	01265-	·80	
Perfluorobutanesulfonic acid (PFBS)	537 Modified	mg/kg	0.00186	U	0.0019	0.00217	U	0.00217	15%
Perfluoroheptanoic acid (PFHpA)	537 Modified	mg/kg	0.00166	U	0.0017	0.00194	U	0.00194	16%
Perfluorohexanesulfonic acid (PFHxS)	esulfonic acid (PFHxS) 537 Modified				0.002	0.0023	U	0.0023	15%
Perfluorooctanoic acid (PFOA)	537 Modified	mg/kg	0.00209	J		0.00208	J		0%
Perfluorononanoic acid (PFNA)	537 Modified	mg/kg	0.00258	J		0.00326	J		23%
Perfluorooctanesulfonic (PFOS)	537 Modified	mg/kg	0.022			0.0327			39%
Combination of PFOA and PFOS		mg/kg	0.02409			0.03478			36%
Notes on first name of table									

Notes on first page of table

Page 15 of 15



STATISTICAL AND VISUAL ANALYSIS RESULTS

Statistical and Visual Trend Analysis Results 2017 Bi-Annual Report - Coakley Landfill, North Hampton, New Hampshire

	1,4-di	oxane	Ben	zene	Tertiary-butyl	Alcohol (TBA)	Ars	enic	Mang	anese
Well	Statistical Trend	Visual Trend	Statistical Trend	Visual Trend	Statistical Trend	Visual Trend	Statistical Trend	Visual Trend	Statistical Trend	Visual Trend
Operable Unit 1 Wells										
BP-4	No Trend	Decreasing	NA	NA	NA	NA	No Trend	Increasing	Decreasing	Increasing
MW-4	No Trend	Not Stable	NA	NA	NA	NA	Decreasing	Stable	Decreasing	Stable
MW-5D	No Trend	Not Stable	No Trend	Stable	No Trend	Stable	No Trend	Not Stable	No Trend	Increasing
MW-5S	Decreasing	Decreasing	No Trend	Stable	ND	ND	No Trend	Stable	Decreasing	Decreasing
MW-6	ND	ND	ND	ND	ND	ND	ND	ND	Increasing	Not Stable
MW-8	Decreasing	Decreasing	No Trend	Stable	Decreasing	Stable	No Trend	Decreasing	Decreasing	Decreasing
MW-9	No Trend	Not Stable	NA	NA	NA	NA	No Trend	Not Stable	No Trend	Not Stable
MW-10	NP*	NP*	NA	NA	NA	NA	No Trend	Not Stable	Decreasing	Decreasing
MW-11	Decreasing	Decreasing	Decreasing	Stable	ND	ND	No Trend	Stable	No Trend	Increasing
OP-2	NP	NP	NA	NA	NA	NA	No Trend	Not Stable	Increasing	Increasing
OP-5	ND	ND	NA	NA	NA	NA	No Trend	Decreasing	No Trend	Decreasing
Operable Unit 2 Wells										
AE-1A	ND	ND	NA	NA	NA	NA	Decreasing	Stable	Increasing	Stable
AE-1B	NP	NP	NA	NA	NA	NA	Increasing	Stable	No Trend	Increasing
AE-2A	Decreasing	Decreasing	ND	ND	ND	ND	Decreasing	Not Stable	Increasing	Increasing
AE-2B	No Trend	Decreasing	ND	ND	ND	ND	Decreasing	Decreasing	Decreasing	Decreasing
AE-3A	No Trend	Decreasing	Decreasing	Stable	ND	ND	No Trend	Decreasing	Increasing	Increasing
AE-3B	No Trend	Decreasing	Decreasing	Stable	ND	ND	No Trend	Not Stable	Increasing	Increasing
AE-4A	ND	ND	ND	ND	ND	ND	ND	ND	Decreasing	Decreasing
AE-4B	ND	ND	ND	ND	ND	ND	ND	ND	Decreasing	Not Stable
FPC-4B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FPC-5B	No Trend	Not Stable	NA	NA	NA	NA	NP	NP	NP	NP
FPC-6A	No Trend	Not Stable	ND	ND	ND	ND	NP	NP	No Trend	Not Stable
FPC-6B	No Trend	Not Stable	ND	ND	ND	ND	Decreasing	Stable	Decreasing	Stable
FPC-7A	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND
FPC-7B	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND
FPC-8A	No Trend	Stable	ND	ND	ND	ND	ND	ND	NP	NP
FPC-8B	Decreasing	Decreasing	ND	ND	ND	ND	NP	NP	NP	NP
FPC-9A	NA	NA	NA	NA	NA	NA	Increasing	Increasing	No Trend	Decreasing
FPC-11A	NP	NP	NA	NA	NA	NA	NP	NP	No Trend	Stable
FPC-11B	NP*	NP*	NA	NA	NA	NA	NP	NP	Decreasing	Decreasing
GZ-105	No Trend	Not Stable	No Trend	Not Stable	ND	ND	No Trend	Not Stable	Decreasing	Increasing
Trend Tests Completed	16		11		2		23		24	
Trends Identified	0		7		1		9		13	
Increasing Trends	0		1		0		7		6	
Decreasing Trends	0		6		1		2		7	
No Trend	16		4		1		14		11	

### NOTES:

NA	Parameter Not Analyzed
ND	Parameter Not Detected
NP	Not Performed, trend analysis not performed because parameter has not recently exceeded USEPA CL or NHDE
NP*	Not Performed, data from at least 5 sampling events are required for Mann Kendall statistical analysis or visual tr
1.	Wells with screened interval longer than 10 feet were interval sampled in August 2013 (MW-5D, MW-5S, MW-8, (FPC-11B). Samples collected using the interval sampling method are not considered to be directly comparable t from the trends analyses - although it is noted that average concentrations for the interval data were used when p
2.	Mann Kendall trend analysis completed using 95% confidence interval. Possible outcomes include: No Trend, Ir
3.	Visual trend analysis focused on data from last 5 years, in the context of complete data set. Possible outcomes in
4.	FPC-5A: Not sampled in 2016; therefore no trend analysis was completed.

ES AGQS.

rend analysis.

, MW-11, AE-3B, FPC-4B, FPC-5B, FPC-6B, FPC-7B, FPC-8B, GZ-105), or September/October 2014 to data from low flow purging sampling methods; therefore, the interval sampling data was excluded plotting time series plots.

ncreasing, or Decreasing.

nclude: Stable, Not Stable, Increasing, or Decreasing.



CONTAMINANTS OF CONCERN ANALYTICAL DATA (NOVEMBER 2000 – SEPTEMBER 2017)

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Antimony in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date Operable Unit 1 Wells	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
 BP-4	< 0.005	< 0.001	NA	< 0.002	< 0.002	< 0.004	< 0.04	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	<0.001	< 0.001	< 0.001
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	< 0.02	< 0.005	NA	< 0.004	< 0.004	< 0.004	< 0.012	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-5D	< 0.001	< 0.01	NA	< 0.002	< 0.002	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-5S	< 0.02	< 0.001	NA	< 0.002	< 0.004	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-6	< 0.02	< 0.005	NA	< 0.005	< 0.002	< 0.005	< 0.012	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-8	< 0.02	< 0.005	NA	< 0.002	< 0.004	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-9	< 0.02	< 0.005	NA	0.002	< 0.004	0.007	< 0.006	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-10	< 0.02	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-11	< 0.02	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
OP-2	< 0.02	< 0.001	NA	< 0.002	< 0.002	< 0.005	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
OP-5	< 0.005	< 0.001	NA	< 0.002	< 0.002	< 0.004	< 0.016	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Operable Unit 2 Wells	<b>.</b>							ļ	ļ			P	ļ		<u>.</u>		Į								
AE-1A	< 0.005	< 0.001	NA	< 0.002	0.002	< 0.004	0.012	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-1B	< 0.02	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.006	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-2A	< 0.005	< 0.001	NA	< 0.002	< 0.002	< 0.005	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-2B	< 0.025	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.04	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-3A	< 0.025	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.04	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-3B	< 0.025	< 0.01	NA	< 0.002	< 0.002	< 0.004	< 0.016	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-4A	NS	NS	NS	NS	0.005	< 0.005	< 0.008	0.008	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-4B	NS	NS	NS	NS	< 0.008	< 0.005	< 0.008	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-2A	NA	< 0.001	NA	NA	< 0.002	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 0.002	0.007	< 0.006	< 0.002	< 0.001	NS	< 0.001	0.002	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-4B	NS	NS	NS	NS	< 0.004	< 0.004	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-5A	< 0.025	< 0.001	NA	< 0.002	< 0.002	< 0.004	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	NS	NS	NS	NS	NS
FPC-5B	0.006	< 0.005	NA	< 0.002	< 0.004	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-6A	< 0.005	< 0.001	NS	NS	< 0.008	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-6B	< 0.025	< 0.001	NA	< 0.002	< 0.004	< 0.004	< 0.02	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-7A	NS	NS	NS	NS	< 0.004	NA	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-7B	NS	NS	NS	NS	< 0.004	NA	< 0.006	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-8A	< 0.025	0.005	NA	0.002	< 0.004	< 0.004	< 0.008	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-8B	< 0.005	< 0.001	NA	< 0.004	< 0.002	< 0.004	< 0.008	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-9A	< 0.001	< 0.005	NA	< 0.002	< 0.002	< 0.004	< 0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-9B	< 0.02	NS	NS	< 0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 0.002	< 0.004	< 0.016	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-11B	NS	NS	NS	NS	0.003	< 0.004	< 0.016	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	INT	<0.001	<0.001	<0.001	<0.001
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	< 0.001	< 0.005	NA	< 0.002	< 0.004	< 0.004	< 0.04	0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	<0.001	<0.001	<0.001
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells										-	-		-	-		-					•				
R-3	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS
R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NS	NA	NA	NA	NS	NS
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NS	NS
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NS	NS

#### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Antimony is 0.006 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Antimony is 0.006 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017) Arsenic in Groundwater

Coakley Landfill Superfund Site North Hampton and Greenland, New Hampshire

Well ID / Appox, Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells						<b>U</b> -		<u> </u>			0	<b>U</b>			<u> </u>						, ,			,	
BP-4	0.035	0.02	0.031	0.036	0.032	0.022	0.011	0.026	0.03	NS	0.023	0.022	NS	0.034	0.033	0.034	NS	NS	0.032	NS	0.025	0.017	<0.001	0.039	0.041
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	0.06	0.042	0.064	0.041	0.04	0.066	0.13	0.043	0.058	NS	0.069	0.07	0.064	NS	0.081	0.08	NS	NS	0.053	NS	0.063	0.05	0.045	0.046	0.051
MW-5D	0.009	0.007	0.008	0.006	0.007	0.005	0.006	0.005	0.011	NS	0.005	0.006	0.01	NS	0.01	0.011	NS	NS	INT	NS	0.009	0.01	0.01	0.009	0.011
MW-5S	0.018	0.021	0.023	0.026	0.01	0.015	0.014	0.01	0.026	NS	0.026	0.018	0.016	NS	0.018	0.017	NS	NS	INT	NS	0.022	0.017	0.02	0.02	0.021
MW-6	< 0.002	< 0.001	< 0.001	< 0.001	< 0.001 J	< 0.002	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	0.002	NS	< 0.001	< 0.001	< 0.001	<0.001	<0.001
MW-8	0.01	0.011	0.043	0.009	0.008	0.006	0.01	0.007	0.01	NS	0.008	0.008	0.013	NS	0.016	0.018	NS	NS	INT	NS	0.009	0.011	0.007	0.007	0.008
MW-9	0.069	0.063	0.15	0.14	0.12	0.06	0.28	0.081	0.056	NS	0.057	0.078	0.12	NS	0.13	0.14	NS	NS	0.046	NS	0.12	0.14	0.027	<0.001	0.067
MW-10	0.01	0.003	0.032	0.028	0.011 J	0.033	0.024	0.011	0.012	NS	0.009	0.017	0.019	NS	0.012	0.019	NS	NS	0.015	NS	0.022	0.014	0.01	<0.001	0.044
MW-11	0.01	0.014	0.02	0.017	0.015	0.011	0.012	0.01	0.015	NS	0.013	0.011	0.011	NS	0.008	0.009	NS	NS	INT	NS	0.013	0.014	0.013	0.013	0.013
OP-2	0.2	0.17	0.29	0.26	0.27	0.19	0.025	0.2	0.19	NS	0.17	0.2	0.22	NS	0.21	0.22	NS	NS	0.2	NS	0.23	0.22	0.18	0.15	0.26
OP-5	0.05	0.027	0.043	0.048	0.046	0.033	0.025	0.027	0.033	NS	0.017	0.013	0.019	NS	0.027	0.03	NS	NS	0.03	NS	0.048	0.044	0.056	0.023	0.022
Operable Unit 2 Wells																									
AE-1A	0.017	0.018	0.017	0.018	0.02	0.022	0.02	0.015	0.039	NS	0.041	0.029	0.02	NS	0.022	0.018	NS	NS	0.018	NS	0.014	0.016	0.015	0.017	0.016
AE-1B	0.004	0.005	0.005	0.005	0.004 J	0.004	0.003	< 0.002	NS	NS	0.003	0.004	0.006	NS	0.006	0.007	NS	NS	0.008	NS	0.008	0.008	0.007	0.008	0.007
AE-2A	0.29	0.3	0.34	0.29	0.33	0.29	0.3	0.24	0.28	NS	0.23	0.24	0.24	NS	0.25	0.24	NS	NS	0.19	NS	0.012	0.19	0.13	0.13	0.17
AE-2B	0.026	0.013	0.016	0.011	0.018	0.016	0.025	0.024	0.02	NS	0.019	0.026	0.016	NS	0.028	0.02	NS	NS	0.02	NS	0.014	0.012	0.006	0.004	0.011
AE-3A	0.1	0.09	0.13	0.11	0.11	0.11	0.12	0.1	0.13	NS	0.15	0.12	0.12	NS	0.11	0.11	NS	NS	0.14	NS	0.13	0.13	0.11	0.093	0.09
AE-3B	0.093	0.083	0.11	0.073	0.084 J	0.092	0.078	0.091	0.082	NS	0.095	0.091	0.079	NS	0.083	0.088	NS	NS		NS	0.087	0.061	0.091	0.076	0.095
AE-4A	NS	NS	NS	NS	< 0.002 JIM	< 0.002	< 0.002	< 0.002	0.003	NS	0.01	0.003	0.002	NS NO	0.001	0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	<0.001	< 0.001
AE-4B	INS	NS	NS	INS NA	0.003	< 0.002	< 0.002	< 0.002	0.001	INS NC	< 0.001	< 0.001	< 0.001	NS NC	< 0.001	< 0.001	NS NC	NS NC	< 0.001	NS NC	< 0.001	< 0.001	< 0.001	<0.001	<0.001
FPC-2A	< 0.005	0.001	< 0.001	NA NC	0.001	< 0.002	0.005	< 0.002	0.008	INS NC	0.003	0.002	0.002	NS NC	0.002	0.002	NS NC	NS NC	NS NC	NS NC	NS NC	NS NC	NS NC	NS NC	NS NC
FPC-2B		INS NS	INS NS		0.004	< 0.002	0.004	< 0.002	0.002		0.003	0.003	0.003	INS NC	0.003	0.002				INS NC	INS NC	INS NC	NS		INS
FPC-3A			INS NC		INS NC			INS NC				INS NC				INS NC				INS NC	INS NC	INS NC	0.012	0.008	0.007
FPC-3B		ING NC	INS NS	INS NS	INS NC	NS NS		NS NS		NS NS		NS NS	NS NS			NS NS						INS NC	0.003	0.003	0.002
FPC-3C		ING NC	INS NS	INS NS	10.001	100	10.002	100		NS NS	10.001	10.001	10.001		10001	10.001					INS	10.001	0.013	0.013	0.013
FPC-4B	100	0.001	0.046	0.054	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS NS	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001			0.052	NS NS	< 0.001	< 0.001	< 0.001	<0.001	<0.001
FPC-5A	0.001	0.001	0.040	0.004	0.000	< 0.043	0.003	< 0.042	0.003	NS	0.004	0.003	0.003	NS	0.001	0.003		NC	0.032	NS	0.002	0.002	0.002	0.002	0.002
	< 0.005	<b>0.034</b>	0.002	0.001 NS	0.038 J	< 0.002	0.004	< 0.002	0.004		0.001	0.001	0.003	NS	0.002	0.002		NC	0.002	NS	0.002	0.002	0.003	0.003	0.003
EDC 6P	< 0.005	0.001	0.006	0.003		0.002	0.003	0.002	0.003	NS NS	0.002	0.013	0.003	NS	0.009	0.037				NS	0.030	0.032	0.002	0.003	0.004
	0.003 NS	0.000 NS	0.000	0.003 NS			< 0.002	< 0.003	< 0.009	NS		< 0.002	-0.003	NS	< 0.003	0.004	NS			NS		< 0.003	< 0.002	<0.001	<0.002
EDC 7R	NS	NS	NS			0.007	0.002	< 0.002	< 0.001		0.001	< 0.001	< 0.001			< 0.001				NS	< 0.001	< 0.001	< 0.001	<0.001	<0.001
	0.003	0.004	0.007	0.008	0.0013	< 0.007	0.002	< 0.002	0.001		0.002	0.006	0.007		0.001	0.006	NS	NS	0.002	NS	0.001	0.001	< 0.001	<0.001	<0.001
EPC-88	0.003	0.004	0.007	0.000	0.004	0.002	0.000	0.002	0.004		0.002	0.000	0.007		0.000	0.000	NS	NS		NS	0.001	0.001	0.006	0.007	0.007
FPC-9A	0.007	0.000	0.000	0.000	0.000	< 0.004	< 0.000	0.000	0.007	NS	0.007	0.007	0.007	NS	0.000	0.007	NS	NS	0.045	NS	0.000	0.007	0.000	0.007	0.007
FPC-9R	< 0.002	NS	NS	< 0.001	NS	<u> </u>	< 0.002 NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.040
EPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
EPC-11A	NS	NS	NS	NS	0.002.1	< 0.002	< 0.004	< 0.002	0.001	NS I	0.001	< 0.001	0.009	NS	0.008	0.007	NS	NS	NS	NS	0.004	0.003	0.002	0.019	0.007
FPC-11B	NS	NS	NS	NS	0.03.1	0.008	0.011	0.006	0.009	NS	0.008	0.01	0.000	NS	0.000	0.003	NS	NS	NS	NS	INT	0.004	0.002	0.002	0.002
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	0.018	0.008	0.012	0.013	0.009	0.01	0.009	0.006	0.011	NS	0.01	0.013	0.015	NS	0.016	0.015	NS	NS	INT	NS	0.012	0.008	0.008	0.014	0.012
GZ-100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS I	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells																									
R-3	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001
R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NĂ	NĂ	NS	NĂ	NS	< 0.001	< 0.001	< 0.001	<0.001	<0.001
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	< 0.001	< 0.001	0.002	NA	< 0.001	< 0.001
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
		-	-				-									•									•

#### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Arsenic is 0.01 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Arsenic is 0.01 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. Residential results for January 2107 are reported for the May 2107 data.

6. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 - September Beryllium in Groundwater

Coakley Landfill Superfund Site North Hampton and Greenland, New Hampshire

				-																																										
ug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS I	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS																										
0.004	< 0.002	< 0.002	< 0.002	0.003	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001		< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	0.000		< 0.001	< 0.001	< 0.001	NC	< 0.001	< 0.001		NC		NC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001		< 0.001	< 0.001					< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
< 0.02	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INI	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002 M	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001	NO	< 0.001	< 0.001		NC	< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.004	< 0.002	< 0.001	IN S	< 0.001	< 0.001	< 0.001	INS I	< 0.001	< 0.001	NO NO	INO	< 0.001	N9	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004.1	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS		NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NC NC	< 0.001	< 0.001	< 0.001	NC	< 0.001	< 0.001		NC	10.001	NO	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.000 IVI	< 0.002	< 0.002	< 0.002	< 0.001	INS NO	< 0.001	< 0.001	< 0.001	INS NO	< 0.001	< 0.001			< 0.001		< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	<0.001
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001		NS		NS																															
0.004	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001		< 0.001	< 0.001					10.001	10.001	10.001	10.001	110																										
0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	INS NG	< 0.001	< 0.001	< 0.001	INS NO	< 0.001	< 0.001	INS NO	INS NO		INS NO	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004	< 0.002	< 0.1	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004 J	NA	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004 J	NA	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
	< 0.002 NS								NS				NS		NC					<0.001																										
NC	ING NC	NO NO				ING NC	ING NC				NO NO			ING NC		INS NC	ING NC	ING NC	INS NC	<0.001																										
GVI CVI	6 AN	INS 0.000				INS					INS 0.001	6VI	NS NC		NS NG	INS			INS																											
0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001																										
0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	INT	< 0.001	< 0.001	< 0.001	< 0.001																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS																										
0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001																										
NS		NS	NG		NIG	NS		NS	NG		NS	NG	NS		NIS	NS	NIS		NS	<0.001																										
	NC													NO		NC			NC																											
NO						< 0.001	< 0.001	< 0.001		< 0.001	< 0.001																																			
112	NS	NS NS	NS NS	< 0.001	NS NS	< 0.001	< 0.001	< 0.001	INS I	< 0.001	< 0.001	NS NS	NS	INS	NS NS	INS I	NS	INS I	INS	INS																										
									•																																					
NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS																										
NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NS	NA	NA	NA	NS	NS																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NĂ	NA	NA	NA	NS	NS																										
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NΔ	NA	NS	NA	NA	NA	NS	NS																										
110	UND					110	110	110	110	110	110		11/1	11/1	110	11/1		11/1	110	110																										

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells																									
BP-4	< 0.005	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	< 0.001	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	0.003	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-5D	< 0.01	0.002	NA	< 0.02	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-5S	< 0.01	< 0.02	NA	< 0.02	< 0.02	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-6	< 0.005	< 0.002	NA	< 0.004	< 0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-8	< 0.005	< 0.002	NA	< 0.02	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-9	< 0.001	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002 M	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-10	< 0.005	< 0.002	NA	< 0.004	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-11	< 0.005	< 0.002	NA	< 0.02	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
OP-2	< 0.001	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
OP-5	< 0.005	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Operable Unit 2 Wells	•				•		•							•	•	•						•	•		
AE-1A	< 0.005	< 0.002	NA	< 0.004	< 0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-1B	< 0.005	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-2A	< 0.005	< 0.002	NA	< 0.008	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-2B	< 0.01	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-3A	< 0.001	< 0.004	NA	< 0.004	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-3B	< 0.001	< 0.004	NA	< 0.004	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-4A	NS	NS	NS	NS	< 0.008 M	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
AE-4B	NS	NS	NS	NS	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-2A	NĂ	< 0.002	NĂ	NĂ	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-4B	NS	NS	NS	NS	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-5A	< 0.001	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	NS	NS	NS	NS	NS
FPC-5B	< 0.001	< 0.002	NA	< 0.004	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-6A	< 0.005	< 0.002	NS	NS	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-6B	< 0.001	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.1	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-7A	NS	NS	NS	NS	< 0.004 J	NA	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-7B	NS	NS	NS	NS	< 0.004 J	NA	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-8A	< 0.001	< 0.002	NA	< 0.004	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-8B	< 0.005	< 0.002	NA	< 0.008	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-9A	< 0.005	< 0.002	NA	< 0.004	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-9B	< 0.005	NS	NS	< 0.004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 0.004 J	< 0.002	0.006	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-11B	NS	NS	NS	NS	< 0.004 J	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	INT	< 0.001	< 0.001	< 0.001	< 0.001
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	< 0.005	< 0.002	NA	< 0.008	< 0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NŠ	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells	-				-	-	-	-		_				-			-			_	_	-	-	_	
R-3	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS
R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NĂ	NĂ	NS	NĂ	NS	NA	NA	NA	NS	NS
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NĂ	NA	NĂ	NA	NA	NA	NS	NS
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NS	NS
										-	-	-	-	-	-	-				-				-	

#### Table Notes:

 All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Beryllium is 0.004 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Beryllium is 0.004 mg/L. Exceedances are identified with BOLD text.
 All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. FPC-3 series December 2016 data is reported in May 2016.

#### Abbreviations:

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Contaminants of Concern Analytical Data (November 2000 – September 2017)

**Chromium** in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells		0.000	NIA	0.004	0.000	0.000	0.045	0.000	0.004		0.001	0.004		0.004	0.004	0.001		NO	0.004		0.004	0.001	0.004	0.001	0.004
BP-4	< 0.005	0.002	NA	0.001	0.002	< 0.002	0.015	< 0.002	< 0.001		< 0.001	< 0.001	NS NO	< 0.001	< 0.001	< 0.001	INS NO		< 0.001	NS NO	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	0.042	< 0.002	NA	0.006	0.032	< 0.002	0.6	0.15	0.14	NS	0.19	0.002	< 0.001	NS	0.001	< 0.001	NS	NS	0.003	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
MW-5D	< 0.005	< 0.02	NA	0.001	0.002	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INI	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-5S	< 0.015	0.002	NA	0.002	0.004	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INI	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-6	< 0.015	< 0.02	NA	< 0.002	< 0.002	< 0.002	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-8	< 0.015	< 0.02	NA	0.001	0.004	< 0.002	0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INI	NS	< 0.001	< 0.001	< 0.001	0.002	<0.001
MW-9	< 0.015	< 0.02	NA	0.014	0.007	0.005	0.003	< 0.004	< 0.001	NS	< 0.001	< 0.001	0.001	NS	< 0.001	0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-10	< 0.015	< 0.02	NA	0.001	0.005	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	0.002	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MW-11	< 0.015	< 0.02	NA	0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INI	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
OP-2	< 0.015	0.003	NA	0.002	0.003	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
OP-5	< 0.005	< 0.001	NA	< 0.001	< 0.001	< 0.002	0.007	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
Operable Unit 2 Wells																									
AE-1A	< 0.005	0.001	NA	< 0.001	0.016	< 0.002	0.005	< 0.002	0.005	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	0.008	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-1B	< 0.015	< 0.02	NA	0.003	0.002	< 0.002	< 0.002	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-2A	< 0.005	0.002	NA	< 0.002	0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-2B	0.13	0.03	NA	0.013	0.003	0.002	< 0.01	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-3A	< 0.02	< 0.02	NA	0.017	0.006	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	0.003	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-3B	< 0.02	< 0.02	NA	0.005	0.009	< 0.002	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-4A	NS	NS	NS	NS	0.0042	< 0.002	0.005	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-4B	NS	NS	NS	NS	0.34	< 0.002	0.004	< 0.004	0.003	NS	0.002	< 0.001	0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-2A	NA	< 0.001	NA	NA	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 0.001	0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.003	< 0.001	<0.001
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	<0.001
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	<0.001
FPC-4B	NS	NS	NS	NS	0.003	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-5A	< 0.02	0.001	NA	0.002	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	NS	NS	NS	NS	NS
FPC-5B	< 0.02	< 0.02	NA	< 0.001	0.005	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-6A	< 0.005	0.001	NS	NS	0.013	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-6B	< 0.02	0.001	NA	< 0.001	0.001	0.008	0.008	< 0.004	0.003	NS	0.002	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-7A	NS	NS	NS	NS	0.003	< 0.004	< 0.002	< 0.002	0.002	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-7B	NS	NS	NS	NS	0.002	0.067	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-8A	0.013	< 0.02	NA	0.023	0.008	< 0.002	0.01	<0.004	< 0.001	NS	< 0.001	0.006	0.006	NS	0.003	0.003	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-8B	< 0.005	< 0.001	NA	< 0.002	< 0.001	< 0.002	0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-9A	< 0.005	< 0.02	NA	< 0.001	0.001	< 0.002	< 0.002	< 0.002	0.002	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-9B	< 0.015	NS	NS	0.002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	0.006	< 0.002	0.024	< 0.004	0.002	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-11B	NS	NS	NS	NS	0.046	< 0.002	0.14	0.016	< 0.001	NS	0.002	< 0.001	< 0.001	NS	0.016	< 0.001	NS	NS	NS	NS	INT	<0.001	<0.001	<0.001	<0.001
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	< 0.005	< 0.02	NA	0.002	0.004	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.001
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells												-	-	-											
R-3	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS
R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NS	NA	NA	NA	NS	NS
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NS	NS
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NS	NS

### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Chromium is 0.1 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Chromium is 0.05 mg/L. Exceedances are identified with BOLD text.
 All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A)

5. FPC-3 series December 2016 data is reported in May 2016.

Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Lead in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

United interval         United int	Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
model         model <th< td=""><td></td><td>&lt; 0.005</td><td>&lt; 0.001</td><td>ΝΙΔ</td><td>-0.001</td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>-0.001</td><td></td><td>0.004</td><td>0.01</td><td>-0.001</td><td>NS</td><td>NS</td><td>&lt; 0.001</td><td>NG</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></th<>		< 0.005	< 0.001	ΝΙΔ	-0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	-0.001		0.004	0.01	-0.001	NS	NS	< 0.001	NG	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
IBC-1         IDS2         CDS2         CDS2 <thcd2< th="">         CDS2         CDS2         <thc< td=""><td></td><td>&lt; 0.003</td><td>&lt; 0.001</td><td></td><td></td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.002 NS</td><td></td><td></td><td></td><td></td><td>NS</td><td>0.004 NIS</td><td>0.01</td><td></td><td>NC</td><td>NG</td><td><u>&lt; 0.001</u></td><td>NC</td><td></td><td>&lt; 0.001</td><td></td><td>&lt; 0.001</td><td>&lt;0.001</td></thc<></thcd2<>		< 0.003	< 0.001			< 0.001	< 0.002	< 0.002	< 0.002 NS					NS	0.004 NIS	0.01		NC	NG	<u>&lt; 0.001</u>	NC		< 0.001		< 0.001	<0.001
W1.5         C1000         C2007         W1         C2007         C20		0.002	< 0.005			< 0.002	< 0.002	01	0.023	0.037		0.043			NS	-100			NS	0.002			< 0.001	< 0.001	< 0.001	
mbr.35         c.2007         c.2007<		0.002	< 0.003		< 0.001	< 0.002	< 0.002	< 0.002	< 0.023			< 0.043	< 0.001	< 0.001	NG	< 0.001	< 0.001	NC	NG		NC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MOX2         CAUDE         CAUDE <thc< td=""><td></td><td>&lt; 0.005</td><td>&lt; 0.002</td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.001</td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NO NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td></td><td>NO</td><td></td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></thc<>		< 0.005	< 0.002		< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001	NO NC	< 0.001	< 0.001		NO			< 0.001	< 0.001	< 0.001	< 0.001	<0.001
movie         course         course </td <td>10100-55</td> <td>&lt; 0.002</td> <td>&lt; 0.001</td> <td></td> <td>&lt; 0.01</td> <td>&lt; 0.001</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.001</td> <td></td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td></td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td></td> <td>INS NC</td> <td></td> <td></td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt;0.001</td>	10100-55	< 0.002	< 0.001		< 0.01	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001		< 0.001	< 0.001		INS NC			< 0.001	< 0.001	< 0.001	< 0.001	<0.001
Biol         Court	IVIVV-6	< 0.002	< 0.005		< 0.002	< 0.001	< 0.002	< 0.004	< 0.002	< 0.001		< 0.001	< 0.001	INS	0.003	0.001	0.001			< 0.001	INS NC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MOV         COUNT         C	IVIV-8	< 0.002	< 0.01		< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001	INS NC	< 0.001	< 0.001		INS NC			< 0.001	< 0.001	< 0.001	< 0.001	<0.001
MOC1         COUNT         COUNT <thc< td=""><td>MIVV-9</td><td>&lt; 0.002</td><td>&lt; 0.01</td><td>NA NA</td><td>0.002</td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.004</td><td>&lt; 0.001</td><td>INS NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>INS NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>INS NC</td><td></td><td>0.001</td><td>INS NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></thc<>	MIVV-9	< 0.002	< 0.01	NA NA	0.002	< 0.001	< 0.002	< 0.002	< 0.004	< 0.001	INS NC	< 0.001	< 0.001	< 0.001	INS NC	< 0.001	< 0.001	INS NC		0.001	INS NC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
mbp         c         0.000         0.000         c <td>MVV-10</td> <td>&lt; 0.002</td> <td>&lt; 0.01</td> <td>NA</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.001</td> <td>INS NO</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>INS NO</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>INS NO</td> <td>INS NO</td> <td>&lt; 0.001</td> <td>INS NO</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt;0.001</td>	MVV-10	< 0.002	< 0.01	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	INS NO	< 0.001	< 0.001	< 0.001	INS NO	< 0.001	< 0.001	INS NO	INS NO	< 0.001	INS NO	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
Chi Li, Chi Li,	MVV-11	< 0.002	< 0.01	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS		NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Operation         Column         Colu	OP-2	< 0.002	< 0.001	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	0.006	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
Openand         Unit Weils          COUNT         NA         COUNT         COUNT <thc< td=""><td>OP-5</td><td>&lt; 0.005</td><td>&lt; 0.001</td><td>NA</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>0.003</td><td>&lt; 0.002</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS</td><td>NS</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></thc<>	OP-5	< 0.005	< 0.001	NA	< 0.001	< 0.001	< 0.002	0.003	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Operable Unit 2 Wells																									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	AE-1A	< 0.005	< 0.001	NA	< 0.001	0.001	< 0.002	< 0.004	< 0.002	0.015	NS	0.003	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	0.004	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
$ \begin{array}{c} A = 2.4 \\ A = 2.6 \\ A = 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.002 & < 0.002 & < 0.002 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.001 & < 0.00$	AE-1B	< 0.002	< 0.005	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	0.002	< 0.001	< 0.001	<0.001
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	AE-2A	< 0.005	< 0.001	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE 5A         < 0.001 $0.002$ NA         0.007 $0.001$	AE-2B	0.017	< 0.005	NA	< 0.02	< 0.001	< 0.002	< 0.01	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	AE-3A	< 0.001	< 0.002	NA	0.007	< 0.001	< 0.002	< 0.002	< 0.004	< 0.001	NS	0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
$A \in 4A$ NS         NS         NS         NS         NS $0.007$ $< 0.002$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ $< 0.001$ 0.001	AE-3B	< 0.001	< 0.002	NA	< 0.001	< 0.001	< 0.002	< 0.004	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-46         NS         NS         NS         O.005         < 0.002         < 0.000         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001	AE-4A	NS	NS	NS	NS	0.007	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC_2A         NA         < 0.001         < 0.000         < 0.000         < 0.001         < 0.001         < 0.001         NS	AE-4B	NS	NS	NS	NS	0.05	< 0.002	< 0.002	< 0.004	0.002	NS	0.002	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	FPC-2A	NA	< 0.001	NA	NA	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC_A         NS	FPC-2B	NS	NS	NS	NS	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	0.003	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FFC-3B         NS         NS <th< td=""><td>FPC-3A</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td></th<>	FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC-46         NS         NS         NS         C 0.001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001         < 0.0001	FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	< 0.001
FPC_5A         < 0.001         NA         < 0.005         < 0.001         < 0.002         < 0.001         NS         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001 </td <td>FPC-4B</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.001</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>NS</td> <td>NS</td> <td>INT</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td>	FPC-4B	NS	NS	NS	NS	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-8B         < 0.001         NA         < 0.001         < 0.002         < 0.002         < 0.001         < 0.001         < 0.001         NS         < 0.001         NS         < 0.001         NS         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001	FPC-5A	< 0.001	< 0.001	NA	< 0.005	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
PPC-6A         < 0.0001         NA         NS         < 0.002         < 0.001         NS         < 0.001         NS         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         NS         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         NS         <0.001         <0.001         <0.001         <0.001         NS         <0.001         NS         <0.001         NS         <0.001         NS         <0.	FPC-5B	< 0.001	< 0.01	NA	< 0.001	< 0.001	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
IPC-EB         < 0.001         NA         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.001         < 0.	FPC-6A	< 0.005	< 0.001	NA	NS	< 0.002	< 0.002	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
IPC-7A         INS         INS<	FPC-6B	< 0.001	< 0.001	NA	< 0.001	< 0.001	< 0.002	< 0.01 J	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
FPC-7B         NS         NS <th< td=""><td>FPC-7A</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.004</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS</td><td>NS</td><td>&lt; 0.001</td><td>NS</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></th<>	FPC-7A	NS	NS	NS	NS	< 0.001	< 0.004	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-8A         0.001         <0.011         NA         0.003         <0.001         <0.002         <0.001         NS         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001         <0.001	FPC-7B	NS	NS	NS	NS	< 0.001	0.018	< 0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	INT	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
IPC-08         COUNT         NA         COUNT         C	FPC-8A	0.001	< 0.01	NA	0.003	< 0.001	< 0.002	< 0.002	< 0.001	< 0.001	NS	< 0.001	0.001	0.002	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
In Column         Colu         Colu </td <td>EPC-88</td> <td>&lt; 0.001</td> <td>&lt; 0.01</td> <td>ΝΔ</td> <td>&lt; 0.000</td> <td>&lt; 0.001</td> <td>&lt; 0.002</td> <td>&lt; 0.002</td> <td>&lt; 0.004</td> <td>&lt; 0.001</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.002</td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>NS</td> <td>NS</td> <td></td> <td>NS</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>0.004</td> <td>&lt;0.001</td>	EPC-88	< 0.001	< 0.01	ΝΔ	< 0.000	< 0.001	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.002	NS	< 0.001	< 0.001	NS	NS		NS	< 0.001	< 0.001	< 0.001	0.004	<0.001
FPC-9B  <		< 0.005	< 0.001		< 0.002	< 0.001	< 0.002	< 0.002	< 0.002	0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS		NS	< 0.001	< 0.001	< 0.001		<0.001
PPC-9D         S.0.02         NS		< 0.003	< 0.003		< 0.001		< 0.002 NS	< 0.002 NS	<u> </u>						NS				NS	NS						<0.001
IPC-90         N3         N3 <th< td=""><td></td><td>&lt; 0.002</td><td>NS</td><td>NS</td><td>&lt; 0.002</td><td>NS</td><td>NS</td><td></td><td></td><td>NS</td><td></td><td></td><td></td><td>NS</td><td>NG</td><td>NS</td><td>NS</td><td>NC</td><td>NG</td><td></td><td>NC</td><td></td><td>NS</td><td>NS</td><td>NS</td><td>&lt;0.001</td></th<>		< 0.002	NS	NS	< 0.002	NS	NS			NS				NS	NG	NS	NS	NC	NG		NC		NS	NS	NS	<0.001
FPC-11A         NS         NS <t< td=""><td></td><td>NO</td><td>NC</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.002</td><td>NC</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>NC</td><td></td><td></td><td></td><td></td><td></td></t<>		NO	NC							0.002	NC										NC					
PPC-11B         NS         NS <t< td=""><td></td><td>ING NC</td><td>INO NO</td><td></td><td></td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.004</td><td>&lt; 0.004</td><td>0.002</td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NO NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td></td><td>NO</td><td>ING NC</td><td></td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></t<>		ING NC	INO NO			< 0.001	< 0.002	< 0.004	< 0.004	0.002		< 0.001	< 0.001	< 0.001	NO NC	< 0.001	< 0.001		NO	ING NC			< 0.001	< 0.001	< 0.001	<0.001
FPC-11C         NS         NS </td <td></td> <td>ING NC</td> <td>INO NO</td> <td></td> <td></td> <td>0.007</td> <td>&lt; 0.002</td> <td>&lt; 0.004</td> <td>0.000</td> <td>0.001</td> <td></td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>&lt; 0.001</td> <td>NO NC</td> <td>0.000</td> <td>&lt; 0.001</td> <td></td> <td>NO</td> <td>ING NC</td> <td></td> <td></td> <td>&lt;0.001</td> <td>&lt;0.001</td> <td>&lt;0.001</td> <td>&lt;0.001</td>		ING NC	INO NO			0.007	< 0.002	< 0.004	0.000	0.001		< 0.001	< 0.001	< 0.001	NO NC	0.000	< 0.001		NO	ING NC			<0.001	<0.001	<0.001	<0.001
G2-105       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001       < 0.001	FPC-11C	10.005	10.01	INS NA	10.000	INS	10.000		10.001	10.001		INS	10.001	10.001	INS NC	10.001	INS		INS NC			INS	INS	10.001	INS	113
G2-109         NS         NS <th< td=""><td>GZ-105</td><td>&lt; 0.005</td><td>&lt; 0.01</td><td>NA NO</td><td>&lt; 0.002</td><td>&lt; 0.001</td><td>&lt; 0.002</td><td>&lt; 0.002</td><td>&lt; 0.004</td><td>&lt; 0.001</td><td></td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>INS NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>INS NC</td><td></td><td></td><td>INS NC</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt;0.001</td></th<>	GZ-105	< 0.005	< 0.01	NA NO	< 0.002	< 0.001	< 0.002	< 0.002	< 0.004	< 0.001		< 0.001	< 0.001	< 0.001	INS NC	< 0.001	< 0.001	INS NC			INS NC	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
G2-11/t         NS         NS <t< td=""><td><u>GZ-109</u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>INS NC</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>&lt;0.001</td></t<>	<u>GZ-109</u>																	INS NC								<0.001
G2-123         NS         NS         NS         NS         NS         NS         NS         VIS         VIS         VIS         NS		INS NO		INS NO		INS NO	INS NO	INS NO			INS NO				NS NO	INS 0.001		INS NO	INS NO		INS NC		INS NO			<0.001
GZ-125         NS         NS <th< td=""><td><u> </u></td><td>NS NS</td><td>INS NO</td><td>NS NO</td><td></td><td>NS NO</td><td>NS NG</td><td>NS NG</td><td></td><td>&lt; 0.001</td><td>INS NG</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS 0.000</td><td>&lt; 0.001</td><td>&lt; 0.001</td><td>NS NO</td><td>NS NC</td><td>NS NG</td><td>INS NC</td><td>NS NO</td><td>NS NG</td><td>INS NO</td><td>NS NO</td><td>NS NG</td></th<>	<u> </u>	NS NS	INS NO	NS NO		NS NO	NS NG	NS NG		< 0.001	INS NG	< 0.001	< 0.001	< 0.001	NS 0.000	< 0.001	< 0.001	NS NO	NS NC	NS NG	INS NC	NS NO	NS NG	INS NO	NS NO	NS NG
water supply weils           R-3         NS         NA         NS         NA	GZ-125	NS	NS	NS	NS NS	NS.	NS	NS.	NS	< 0.001	NS.	< 0.001	< 0.001	NS.	0.002	0.004	< 0.001	NS	NS	NS	NS.	NS	NS	NS NS	NS.	NS
R-3NSNANSNA <td>water Supply Wells</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NI A</td> <td>NO</td> <td></td> <td></td> <td></td> <td><b>I N</b>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>N I A</td> <td></td> <td>N I A</td> <td></td> <td></td> <td></td> <td></td>	water Supply Wells							NI A	NO				<b>I N</b> 14							N I A		N I A				
R-5NSNANSNANANANANANANANANANANANANSNSNSNSNSNANANANANSNS346BHRNSNSNSNSNSNSNSNSNSNSNSNSNSNANANANANSNS346BHRNS339BHRNS <td< td=""><td><u> </u></td><td>NS</td><td>NA</td><td>NS</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>INA</td><td>NA</td><td>NA</td><td>NA</td><td>NA NA</td><td>NS</td><td>NS</td></td<>	<u> </u>	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	INA	NA	NA	NA	NA NA	NS	NS
346BHR         NS         NA         NS         NA         NS         NA         NA <th< td=""><td>R-5</td><td>NS</td><td>NA</td><td>NS</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NS</td><td>NA</td><td>NA</td><td>NA</td><td>NS</td><td>NS</td></th<>	R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
339BHR NS NS NS NS NS NS NS NS NS NS NS NS NS	346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NS	NA	NA	NA	NS	NS
415BHR   NS   NS   NS   NS   NS   NS   NS   N	339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NS	NS
	415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NS	NS

### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Lead is 0.015 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Lead is 0.015 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A)

5. FPC-3 series December 2016 data is reported in May 2016.

#### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 - September Manganese in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
		47	15	4.2	4.4	4.2	47	4.2	4.2		4.4	0.004	NC	4.0		4.2	NC	NC	0.00	NO	0.60	0.40	0.26	10	4.4
BP-4	1.4	1.7	1.5	1.3	1.4	1.3	1.7	1.3	1.2	NS NO	1.1	0.094	NS	1.Z	1.1	1.2	INS NO	INS NO	0.96	INS NO	0.69	0.49	0.36	1.2	1.4
MIVV-2	NS	NS	NS	NS	NS	INS	NS 10	NS 15	NS 50	INS NO	NS	NS 40	NS	NS NO	INS	NS	INS NO	INS NO	NS 0.07	INS NO	NS	NS	NS	NS	NS
MW-4	1.5	1.6	1.4	1.3	1.7	1.4	13	4.5	5.9	NS	5.8	1.2	1.1	NS	1.3	1.2	NS	NS	0.97	NS	1.2	0.9	1	1.2	1.2
MW-5D	0.92	1.2	0.92	0.86	0.88	0.87	0.89	0.89	0.86	NS	0.78	0.77	0.73	NS	0.78	0.96	NS	NS		NS	0.79	0.7	0.74	0.8	0.92
MW-5S	3.4	3.1	3.2	3.5	4.1	3.8	3.6	3.7	4.4	NS	3.9	3.4	2.9	NS	2.9	3.6	NS	NS	INI	NS	3.3	2.4	3	2.9	3.1
MW-6	0.08	0.6	1.2	1.2	1.1	0.7	0.97	0.54	0.74	NS	0.52	0.49	NS	1.9	1.8	2.5	NS	NS	0.99	NS	2.7	2.2	1.6	0.84	2
MW-8	3.6	3.2	9.8	2.8	2.9	2.4	2.5	2.5	1.6	NS	1.9	2	2.1	NS	1./	2.2	NS	NS	INI	NS	1.3	1.1	1.2	1.3	1.3
MW-9	1.1	0.88	1	1.1	1.3	1.1	0.71	2.4	1.2	NS	3.5	2.1	1.4	NS	0.88	1.4	NS	NS	1.3	NS	1.4	1.2	0.89	0.083	2.4
MW-10	1.9	0.91	3.9	4.4	8.1	3.9	3.5	3.2	2.8	NS	0.76	2.2	2.7	NS	1.6	3	NS	NS	1.7	NS	2.3	1.9	1.5	0.14	4.2
MW-11	0.95	0.78	0.71	0.6	0.6	0.59	0.53	0.45	0.41	NS	0.44	0.39	0.34	NS	0.35	0.41	NS	NS	INI	NS	0.43	0.45	0.47	0.49	0.51
OP-2	0.45	0.5	0.29	0.33	0.36	0.38	0.39	0.47	0.62	NS	0.58	0.63	0.76	NS	1	1	NS	NS	0.98	NS	1.2	1	1.6	2	1.5
OP-5	6.7	4.9	5.6	5.2	3.9	3.5	3.8	2.5	3.8	NS	2.3	1.8	2.2	NS	2.7	3.7	NS	NS	3.1	NS	4.3	3	4.7	2.6	2.1
Operable Unit 2 Wells																									
AE-1A	0.16	0.21	0.31	0.35	0.38	0.28	0.25	0.44	0.13	NS	0.014	0.25	0.38	NS	0.39	0.5	NS	NS	0.47	NS	0.46	0.44	0.51	0.48	0.48
AE-1B	0.64	0.62	0.61	0.61	0.66	0.65	0.72	0.64	NS	NS	0.3	0.73	0.53	NS	0.56	0.59	NS	NS	0.49	NS	0.53	0.45	0.51	0.57	0.55
AE-2A	0.65	0.83	0.74	0.95	0.83	0.76	0.72	0.51	0.77	NS	0.61	0.65	0.7	NS	0.74	0.82	NS	NS	0.81	NS	0.81	0.77	0.83	1.1	0.72
AE-2B	6.4	5.1	4.4	4.4	3.7	3	3.1	2.4	2.1	NS	1.7	1.7	1.3	NS	1.2	1.5	NS	NS	1.2	NS	1.1	0.86	1.1	1.1	1.1
AE-3A	1.2	0.89	0.9	0.95	1.3	0.74	0.69	0.69	0.84	NS	0.85	1.3	0.76	NS	0.9	1.2	NS	NS	0.84	NS	1	0.94	1.1	1.2	1.3
AE-3B	2.1	2	1.4	1.4	1.5	1.1	1.1	1	0.57	NS	0.48	1.4	0.95	NS	1.4	1.5	NS	NS	INT	NS	1.1	0.74	1.4	1.8	2
AE-4A	NS	NS	NS	NS	0.93	0.35	0.38	0.31	0.29	NS	0.4	0.32	0.29	NS	0.47	0.42	NS	NS	0.38	NS	0.21	0.13	0.055	0.035	0.044
AE-4B	NS	NS	NS	NS	2.2	0.46	0.7	0.22	1.1	NS	0.6	0.26	0.19	NS	0.22	0.013	NS	NS	0.008	NS	0.018	<0.005	<0.005	<0.005	0.33
FPC-2A	0.74	0.92	0.68	0.67	0.6	0.59	0.57	0.67	0.8	NS	0.62	0.73	0.5	NS	0.55	0.63	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	0.035	0.027	0.012	0.018	< 0.001	NS	0.023	0.084	0.021	NS	0.019	0.015	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.027	0.01	0.009						
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.014	0.013	0.019						
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.12	0.13	0.13						
FPC-4B	NS	NS	NS	NS	0.046	0.003	0.079	< 0.003	0.031	NS	0.066	< 0.005	< 0.005	NS	< 0.005	< 0.005	NS	NS	INT	NS	0.006	< 0.005	< 0.005	< 0.005	<0.005
FPC-5A	0.05	0.055	0.17	0.16	0.074	0.18	0.15	0.14	0.11	NS	0.11	0.11	0.1	NS	0.11	0.14	NS	NS	0.11	NS	NS	NS	NS	NS	NS
FPC-5B	0.2	0.19	0.055	0.07	0.17	0.073	0.076	0.088	0.095	NS	0.074	0.087	0.07	NS	0.056	0.059	NS	NS	INT	NS	0.057	0.047	0.057	0.059	0.053
FPC-6A	0.2	0.15	NS	NS	7.2	0.53	0.61	0.41	0.5	NS	0.36	2.4	3.6	NS	2.1	3.9	NS	NS	2.3	NS	3.1	3.1	1.9	1.1	2.2
FPC-6B	0.69	0.62	0.83	0.75	0.6	5.9	6.2	2.1	3.1	NS	3	0.34	0.4	NS	0.38	0.47	NS	NS	INT	NS	0.39	0.44	0.37	0.45	0.45
FPC-7A	NS	NS	NS	NS	0.014	NA	0.006	< 0.003	0.11	NS	0.034	< 0.005	< 0.005	NS	< 0.005	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-7B	NS	NS	NS	NS	0.34	NA	0.37	0.2	0.076	NS	1.8	0.11	0.014	NS	0.015	0.009	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-8A	0.46	0.35	0.44	0.41	0.3	0.31	0.26	0.15	0.15	NS	0.062	0.19	0.21	NS	0.26	0.27	NS	NS	0.21	NS	0.17	0.15	0.007	< 0.005	0.21
FPC-8B	0.023	0.033	0.025	0.033	0.035	0.022	0.03	0.021	0.029	NS	0.028	0.025	0.032	NS	0.032	0.029	NS	NS	INT	NS	0.03	0.024	0.027	0.016	0.029
FPC-9A	0.32	0.35	0.3	0.34	0.42	0.04	0.03	0.27	0.41	NS	0.52	0.27	0.22	NS	0.26	0.31	NS	NS	0.24	NS	0.18	0.23	0.21	0.21	0.2
FPC-9B	0.08	NS	NS	0.053	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.091
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
FPC-11A	NS	NS	NS	NS	1	0.31	0.5	0.022	0.5	NS	0.036	0.01	0.4	NS	0.35	0.44	NS	NS	NS	NS	0.43	0.41	0.43	0.37	0.43
FPC-11B	NS	NS	NS	NS	3	2.2	2.5	0.88	1.3	NS	1.4	0.71	0.52	NS	0.21	0.58	NS	NS	NS	NS	INT	1.9	1.1	0.27	0.55
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
GZ-105	0.67	0.67	0.64	0.7	0.68	0.57	0.63	0.48	0.39	NS	0.4	0.5	0.46	NS	0.47	0.52	NS	NS	INT	NS	0.34	0.23	0.29	0.42	0.43
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.022						
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.005						
GZ-123	NS	NS	3.3	NS	2.3	3	2.2	NS	2.4	1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS						
GZ-125	NS	NS	0.16	NS	0.062	0.081	NS	0.29	0.23	0.31	NS	NS	NS	NS	NS	NS	NS	NS	NS						
Water Supply Wells	-	_		_	_	_	-	_	_	-			_		-	_	-	-		- 1	_	_	_	-	_
R-3	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	0.14	0.1	0.16	0.19	0,19	0,15
R-5	NS	NA	NS	NS	NA	NA	NA	NS	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS NS	NĂ	NĂ	NŠ	NĂ	NS	0.29	0.37	0.28	0.29	0.45						
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NĂ	NA	0.25	0.32	0.31	0.31	0.42	0.34						
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	0.028	0.03	0.046	0.055	0.056						
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#### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Manganese is 0.84 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Manganese is 0.3 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. Residential results for January 2107 are reported for the May 2107 data.

6. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

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Contaminants of Concern Analytical Data (November 2000 – September 2017) Nickel in Groundwater Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells														•											
BP-4	0.014	0.011	NA	0.009	0.013	0.019	0.15	0.009	0.01	NS	0.013	0.008	NS	0.015	0.009	0.008	NS	NS	0.011	NS	0.008	0.005	0.006J	0.008	0.008
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	0.039	0.021	NA	0.014	0.032	0.01	0.41	0.099	0.13	NS	0.15	0.009	0.008	NS	0.012	0.006	NS	NS	0.008	NS	0.007	0.009J	0.007J	0.009	0.008
MW-5D	0.021	0.021 J	NA	0.017	0.019	0.016	0.017	< 0.002	0.011	NS	0.012	0.01	0.009	NS	0.009	0.009	NS	NS	INT	NS	0.009	0.006	0.008J	0.013	0.008
MW-5S	0.027	0.021	NA	0.024	0.023	0.02	0.022	< 0.002	0.022	NS	0.019	0.014	0.011	NS	0.01	0.01	NS	NS	INT	NS	0.013	0.008	0.01J	0.008	0.008
MW-6	< 0.002	0.003	NA	< 0.005	0.003	< 0.002	< 0.004	< 0.002	0.003	NS	0.001	0.002	NS	0.002	0.002	0.004	NS	NS	0.002	NS	0.003	0.003	0.003J	0.002	0.004
MW-8	0.018	0.018	NA	0.014	0.018	0.019	0.02	0.018	0.019	NS	0.026	0.022	0.017	NS	0.019	0.02	NS	NS	INT	NS	0.021	0.016	0.019J	0.021	0.022
MW-9	0.012	0.013	NA	0.028	0.018	0.01	0.014	0.005	0.016	NS	0.007	0.004	0.005	NS	0.005	0.014	NS	NS	0.008	NS	0.009	0.007	0.007J	0.003	0.011
MW-10	0.01	0.003	NA	0.012	0.029	0.012	0.014	< 0.002	0.008	NS	0.003	0.005	0.006	NS	0.004	0.005	NS	NS	0.002	NS	0.003	0.004	0.003J	0.002	0.013
MW-11	0.019	0.022	NA	0.015	0.014	0.01	0.018	0.008	0.012	NS	0.018	0.008	0.006	NS	0.005	0.005	NS	NS	INT	NS	0.007	0.006	0.005J	0.008	0.006
OP-2	0.015	0.012	NA	0.01	0.01	0.008	0.011	0.007	0.007	NS	0.006	0.007	0.009	NS	0.007	0.034	NS	NS	0.006	NS	0.01	0.01	0.01J	0.008	0.01
OP-5	0.039	0.022	NA	0.031	0.027	0.028	0.031	< 0.002	0.033	NS	0.03	0.025	0.027	NS	0.024	0.026	NS	NS	0.017	NS	0.015	0.014	0.015J	0.034	0.029
Operable Unit 2 Wells																									
AE-1A	< 0.005	< 0.001	NA	< 0.001	0.011	< 0.002	0.005	< 0.002	0.005	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	0.013	NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
AE-1B	0.003	0.001	NA	0.002	0.001	< 0.002	0.002	< 0.002	NS	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	0.001	< 0.001	< 0.001	<0.001
AE-2A	0.025	0.026	NA	0.03	0.024	0.019	0.018	0.012	0.012	NS	0.012	0.01	0.009	NS	0.008	0.008	NS	NS	0.017	NS	0.007	0.007	0.007J	0.008	0.007
AE-2B	0.08	0.028	NA	0.02	0.014	0.016	0.03	0.01	0.013	NS	0.01	0.01	0.009	NS	0.007	0.008	NS	NS	0.008	NS	0.007	0.006	0.008J	0.008	0.007
AE-3A	0.016	0.015	NA	0.025	0.015	0.011	0.013	0.008	0.008	NS	0.009	0.008	0.007	NS	0.006	0.007	NS	NS	0.006	NS	0.007	0.006	0.007J	0.006	0.007
AE-3B	0.02	0.018	NA	0.014	0.016	0.011	0.014	0.008	0.008	NS	0.009	0.007	0.006	NS	0.005	0.006	NS	NS	INI	NS	0.008	0.006	0.007J	0.006	0.008
AE-4A	NS	NS	NS	NS	0.04	< 0.002	0.003	< 0.002	0.007	NS	0.002	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	0.001J	< 0.001	0.001
AE-4B	NS	NS	NS	NS	0.084	0.004	0.003	< 0.004	0.003	NS	0.002	0.001	0.001	NS	< 0.001	< 0.001	NS	NS	< 0.001	NS	< 0.001	< 0.001	< 0.001	0.003	0.004
FPC-2A	< 0.005	< 0.001	NA	NA	< 0.001	< 0.002	0.002	< 0.002	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 0.001	< 0.002	0.002	< 0.002	< 0.001	NS	< 0.001	0.002	< 0.001	NS	< 0.001	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS NO	INS NO	NS NO	NS NO	INS NO	NS	NS NO	NS NO	INS NC	NS NO	NS NC	NS NO	NS NC	NS NC	NS NO	INS NC	INS NC	INS NO	NS NC	INS NC	NS NO	0.002J	<0.001	<0.001
FPC-3B	NS	INS NO	INS NO	NS NO	NS NO	INS NO	NS	INS NO	NS NO	INS NC	NS NO	NS NC	NS NO	INS NC	INS NO	NS NO	INS NC	INS NC		INS NC		NS NO	<0.001	<0.001	<0.001
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.001	< 0.001	<0.001
FPC-4B	NS	NS	NS	NS	0.002	< 0.002	0.002	< 0.002	0.001	NS NC	0.001	< 0.001	< 0.001	NS NC	< 0.001	< 0.001	NS	NS NC		NS	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-5A	0.01	0.004	INA NA	0.013	0.006	0.011	0.011	0.008	0.004		0.01	0.007	0.007	INS NC	0.006	0.006		INS NC	0.006		INS			NS	
FPC-5B	0.02	0.017	INA NA	0.005	0.014	0.005	0.008	0.005	0.008		0.006	0.007	0.006	INS NC	0.005	0.005		INS NC			0.006	0.005	0.006J	0.007	0.006
FPC-6A	0.008	0.005	NA NA	NS	0.027	0.004	0.005	< 0.002	0.005	INS NC	0.002	0.005	0.006	NS NC	0.005	0.006	INS NC	NS NC	0.005	NS NC	0.006	0.006	0.005J	0.005	0.006
FPC-6B	< 0.01	0.004		0.007	0.006	0.017	0.019	< 0.004	0.013		0.008	0.003	0.004		0.004	0.004					0.003	0.003	0.002J	0.004	0.004
FPC-7A	ING NC	NS NS	NS NS		0.000		0.000	0.003	0.013		0.007	0.004	0.004	NS NC	0.003	0.004		NS NC	0.003		0.003	0.003	0.0030	0.004	0.005
	1N3	0.004		0.012	0.003		0.013	< 0.004	0.002		0.010	0.002	< 0.001		< 0.001	< 0.001			0.001		< 0.001	< 0.001	< 0.001	-0.01	0.002
FPC-8A	< 0.01	0.004		0.012	0.005	< 0.002	0.007	< 0.004	0.002		< 0.001	0.004	0.005		0.003	0.003					0.002	< 0.001	0.002J	< 0.001	0.001
FPC-8B	< 0.005	< 0.001		< 0.002	< 0.001	< 0.002	0.003	< 0.002	< 0.001		< 0.001	< 0.001	< 0.001	NS NC	< 0.001	< 0.001		NS NC	0.004		< 0.001	< 0.001	< 0.001	< 0.001	<0.001
FPC-9A	0.01	0.012		0.009	0.000	< 0.002	0.002	0.004	0.003		0.004	0.003	0.003		0.003	0.003			0.004 NS		0.000	0.003	0.0055	0.004	0.004
FPC-9B	< 0.002	NS NS	NS NS	< 0.005	INS NS	INS NS		NS NS			INS NS	NS NS							NS NS			INS NS		INS NS	
FPC-9C	ING NC	NS NS	NS NS		0.016	0.01	0.029	0.002	0.000		0.004	0.002		NS NC		100		NS NC	NS NS		0.002	10.001		10.001	1N3
FPC-TIA	NS NS	NS	NS NS		0.016	0.01	0.020	0.003	0.009	NS NS	0.004	0.003	< 0.001		0.001	< 0.001					0.003	<0.001	0.0013	<0.001	<0.001
FPC-TIB	NS	NS	NS		0.05 NS	0.02 NS	NS	< 0.002			0.012 NS	0.003	< 0.001		0.03 NS	0.002		NS		NS		0.005 NS	0.000J	0.002	0.002
	0.000	0.014		0.01		0.01	0.015	0.007	0.008		0.000	0.000	0.000	NS	0.008	0.008		NS		NS	0.006	0.004	0.0051	0.007	
GZ-105	0.009	0.014			0.013	0.01	0.015	0.007	0.000		0.009	0.009	0.009	NIC	0.000	0.000		NG		NG	0.000	0.004 NS	0.0055	0.007	0.007
GZ-109		NIQ 21/					NIC				NIQ PIN								NS		NS				
07.102								NC	0.005		0.001		0.004												
07.123							NIC	NC	-0.005		0.004	0.005	0.004 NIC												
GZ-125 Water Supply Wolls	6ri	6M	6/1	EVI	6VI	6VI	БИ	6/1	< 0.001	CVI	< 0.001	< 0.001	6/1	< 0.001	< 0.001	< 0.001	6/1	GNI	6M	6VI	112	6/1	GVI	6M	
		NIA	NO	NO	NIA.		NIA		NIA		NLA	NIA	NIA.	NO	NIA.	NIA			NIA		NIA	NIA		NO	
		NA NA					NA NA				NA NA					NA NC			NA		NA NA			6/I	
		NA NC			INA NC		NA			NA NC	INA NC										NA NA			6/I	
		NS NS					NO NC				NS NC													NO NO	
		NO NO					INS NO				NS NS														
415BHK	NS NS	NS	INS I	NS NS	I NS	INS I	NS	INS I	NS NS	6VI	5VI	EN I	CVI I	6VI	6/1	6VI	ENI I	INA	INA	6VI	INA	NA	NA	6VI	ENI

#### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 NHDES Ambient Groundwater Quality Standard (AGQS) for Nickel is 0.1 mg/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Nickel is 0.1 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-3A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. FPC-3 series December 2016 data is reported in May 2016.

#### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 - September Vanadium in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox, Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells	•								•					•					0	•		•			· · · · · · · · · · · · · · · · · · ·
BP-4	0.013	0.004	NA	< 0.002	0.006	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	0.007	0.004	NA	0.003	0.008	< 0.002	0.35	0.063	0.082	NS	0.091	0.002	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-5D	0.004	0.002	NA	< 0.002	0.004	< 0.002	0.003	< 0.004	0.001	NS	0.001	0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
MW-5S	0.001	0.004	NA	< 0.04	< 0.002	0.003	0.004	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
MW-6	< 0.001	< 0.001	NA	< 0.001	< 0.002	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	NS	< 0.001	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-8	0.001	0.001	NA	< 0.002	< 0.002	< 0.002	0.003	< 0.004	0.001	NS	0.002	0.002	0.001	NS	0.002	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-9	0.004	0.003	NA	0.009	0.004	0.003	0.007	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
MW-10	< 0.001	0.001	NA	0.002	< 0.002	0.003	0.004	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
MW-11	0.002	0.002	NA	0.002	0.006	0.003	0.003	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS		NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
<u>OP-2</u>	0.003	0.005	NA	0.003	0.008	< 0.002	0.004	< 0.004	< 0.001	NS	0.001	0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
OP-5	0.009	0.002	NA	< 0.002	0.003	< 0.002	0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
Operable Unit 2 wells		10.001		. 0 002	0.005		. 0.002		0.002		. 0. 001	0.001	1 . 0 001		1 . 0 001	L 0 005		NC	0.01	NC	10.00E	< 0.00E	10.00F	10.00E	10.005
AE-1A	< 0.002	< 0.001	NA NA	< 0.002	0.005	< 0.002	< 0.002	< 0.004	0.003		< 0.001	< 0.001	< 0.001		< 0.001	< 0.005			0.01		< 0.005	< 0.005	< 0.005	< 0.005	<0.005
AE-1B	< 0.001	< 0.001		< 0.002	< 0.002	< 0.002	< 0.002	< 0.004	10.001		< 0.001	< 0.001	< 0.001		< 0.001	< 0.005			< 0.005		< 0.005	< 0.005	< 0.005	< 0.005	<0.005
AE-2A	0.009	0.004	NA NA	< 0.004	0.000	0.002	0.004	< 0.004	< 0.001		< 0.001	< 0.001	< 0.001		< 0.001	< 0.005			< 0.005	NS NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
	0.070	0.007		-0.000	0.009	0.005	< 0.01	< 0.004	< 0.001		0.001		< 0.001		< 0.001	< 0.005			< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
	< 0.002	0.002		< 0.002	0.005	0.002	< 0.002	< 0.004	< 0.001		<u>- 0.001</u>	-0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS		NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
	< 0.002 NS	0.002 NS	NS	NS	0.000		< 0.002	< 0.004	< 0.001		0.001	< 0.001	< 0.001		< 0.001	< 0.005			< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
	NS	NS	NS	NS	0.000	< 0.002	< 0.002	< 0.002	0.001	NS	0.002	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-2A	NA	0.001	NA	NA	< 0.001	< 0.002	< 0.002	< 0.004	< 0.000	NS	< 0.002	< 0.001	< 0.001	NS	< 0.001	< 0.000	NS	NS	<u> </u>	NS	<u> 0.000</u>	< 0.000 NS	NS	< 0.000 NS	NS
EPC-2B	NS	NS	NS	NS	< 0.001	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	0.001	< 0.001	NS	< 0.001	< 0.000	NS	NS	NS	NS	NS	NS	NS	NS	NS
EPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.005	< 0.005	<0.005
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.005	< 0.005	< 0.005
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.005	< 0.005	< 0.005
FPC-4B	NS	NS	NS	NS	< 0.002	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-5A	< 0.002	0.003	NĂ	< 0.01	0.002	0.004	< 0.002	< 0.004	< 0.001	NS	0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	NS	NS	NS	NS	NS
FPC-5B	< 0.002	0.003	NA	< 0.002	< 0.002	< 0.002	0.003	< 0.004	0.001	NS	0.001	0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-6A	< 0.002	0.001	NA	NS	0.006	< 0.002	0.003	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-6B	< 0.001	0.003	NA	< 0.002	0.004	< 0.002	< 0.004	< 0.004	0.003	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-7A	NS	NS	NS	NS	< 0.002	NA	< 0.002	< 0.004	0.002	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-7B	NS	NS	NS	NS	< 0.002	NA	0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-8A	0.009	0.006	NA	0.016	0.005	< 0.002	0.008	< 0.004	0.001	NS	< 0.001	0.007	0.006	NS	0.002	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-8B	< 0.002	< 0.001	NA	< 0.004	< 0.002	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	INT	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-9A	0.006	0.001	NA	< 0.002	0.004	< 0.002	< 0.002	< 0.004	< 0.001	NS	< 0.001	< 0.001	< 0.001	NS	< 0.001	< 0.005	NS	NS	< 0.005	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
FPC-9B	< 0.001	NS	NS	< 0.001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.005
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	0.004	< 0.002	0.008	< 0.004	0.003	NS	0.001	< 0.001	< 0.001	NS	0.002	< 0.005	NS	NS	NS	NS	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
FPC-11B	NS	NS	NS	NS NO	0.019	< 0.002	0.048	< 0.004	0.001	NS NO	< 0.001	< 0.001	< 0.001	NS NO	0.012	< 0.005	NS NO	NS NC	NS	NS NO	INI	0.007 J+	NS NC	NS NC	<0.005
<u>FPC-11C</u>	NS	NS	NS NA	NS	NS	NS	NS	NS	NS	NS NC	NS	NS	NS	NS NC	NS	INS	NS NC	INS NC		NS NC	NS	NS	NS	NS	NS
GZ-105	0.005	0.002	NA NC	< 0.004	< 0.002	< 0.002	< 0.002	< 0.004	< 0.001	NS NC	0.001	< 0.001	< 0.001	NS NC	< 0.001	< 0.005	NS NC	INS NC		NS NC	< 0.005	< 0.005	< 0.005	< 0.005	<0.005
GZ-109	INS NS	NS NS	NS NS			NS NS	NS NS	INS NS			INS NS	NS NS				INS NS			INS NS		INS NS	INS NS	INS NS	INS NS	<0.005
GZ-117	INS NC	NS NS	INS NC		NS NS	INS NS	INS NS	INS NS	10.001		0.001	0.001			1N3	103			NS NS		ING NC	INS NS		INS NC	<0.005
GZ-123 GZ 125					NC						0.001	0.001						NS NS	NIQ		NS		NIQ		
Water Supply Wells	113	NO	113	113	110	113	113	113	< 0.001	NO NO	0.001	0.001	113	< 0.001	< 0.001	< 0.005	NO.	113	NO	NO NO	NO NO	INS	113	113	
	NIS	NΔ	NIS	NS	ΝΔ	ΝΔ	NΔ	NS	NIS	ΝΔ	NΔ	ΝΔ	ΝΔ	NIS	ΝΔ	NA	NA	NS	NΔ	NA	NΔ	NΔ	NΔ	NIS	NS.
R-5		NΔ	NS	NS	NΔ	NA	NA	NS	NS	NΔ	NΔ	NΔ	NΔ	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NS	NA	NA	NA	NS	NS
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NS	NS
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	NS	NA	NA	NA	NS	NS
																									<u> </u>

#### Table Notes:

All data in milligrams per liter (mg/L), parts per million - Analyzed by Method 200.8
 An NHDES Ambient Groundwater Quality Standard (AGQS) for Vanadium has not been established.
 EPA Cleanup Level (CL) for Vanadium is 0.26 mg/L. Exceedances are identified with BOLD text.

4. All data for Total metals, with the exception of the following overburden wells for Sept. 2014 (MW-4, MW-9, MW-10, OP-2, OP-5, AE-1A, AE-2A, AE-3A, AE-4A, FPC-6A, FPC-7A, FPC-8A, FPC-9A and FPC-11A) 5. FPC-3 series December 2016 data is reported in May 2016.

#### Abbreviations:

er	201	7)
		- /

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Benzene in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells																									
BP-4	2	3	2	2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	< 2	< 2	1	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	6	< 2	3	2	< 2	2	< 2	2	3	NS	2	2	2	NS	2	2	NS	NS	INT	NS	1	2	1	2	2
MW-5S	8	7	6	6	2	< 2	< 2	< 2	5	NS	4	3	4	NS	4	3	NS	NS	INT	NS	2	2	2	2	2
MW-6	< 2	< 2	1	< 2	< 2	< 2	< 2	< 2	< 1	NS	< 1	< 1	NA	< 1	< 1	< 1	NS	NS	< 1	NS	< 1	<1	<1	<1	<1
MW-8	8	5	5	3	4	< 2	3	5	3	NS	4	4	6	NS	6	6	NS	NS	INT	NS	3	3	2	2	3
MW-9	5	3	7	10	5	< 2	5	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	< 2	< 2	2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	19	22	26	22	14	7	8	5	8	NS	5	4	3	NS	2	2	NS	NS		NS	2	2	1	2	2
OP-2	5	3	1	< 2	< 2	< 2	< 2	NA	NA	NS		NA	NA	NS	NA	NA	NS NC	NS	NA	NS NC	NA	NA	NA		NA
OP-5 Operable Unit 2 Welle	< 2	< 2		< 2	< 2	< 2	< 2	NA	NA	NS	INA	INA	INA	N2	NA	NA	N2	N2	NA	INS	NA	NA	NA	INA	NA
Operable Unit 2 Wells		. 0	- 2		. 0		. 0		NIA		NLA	ΝΙΑ	NIA	NC				NO			NIA	NIA			
	< 2	< 2	< 2	< 2	< 2	< 2	< 2					NA NA									NA NA				
AE-1B	< 2	~ 2	< 2	< <u>2</u>	< 2	< 2	< 2	INA	2	NS			1 1	NS			NS				INA < 1				
<u>ΛΕ-2Α</u>	10	<u> </u>	6	8	5	3	<u> </u>	3	5	NS	5	2	2	NS	1	2	NS	NS	2	NS	2	1	<1		
ΔΕ-2Δ	4	2	3	3	2	< 2	< 2	< 2	2	NS	2	2	2	NS	1	1	NS	NS	1	NS	2	2	1		
AF-3B	4	4	3	3	2	< 2	< 2	< 2	< 1	NS	< 1	1	1	NS	2	1	NS	NS		NS	< 1	< 1	1	1	1
AE-4A	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 1	NS	< 1	< 1	< 1	NS	<1	< 1	NS	NS	< 1	NS	< 1	< 1	< 1	<1	<1
AE-4B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 1	NS	< 1	< 1	< 1	NS	< 1	< 1	NS	NS	< 1	NS	< 1	< 1	< 1	< 1	<1
FPC-2A	NA	NA	NA	NA	< 2	< 2	< 2	< 2	< 1	NS	< 1	< 1	< 1	NS	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 1	NS	< 1	< 1	< 1	NS	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<1	<1
FPC-4B	NS	NS	NS	NS	< 2	< 2	NA	< 2	< 1	NS	< 1	< 1	< 1	NS	< 1	< 1	NS	NS	INT	NS	< 1	NA	<1	<1	<1
FPC-5A	< 2	< 2	5	5	< 2	3	2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS
FPC-5B	6	5	< 2	< 2	4	< 2	5	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS		NS	NA	NA	NA	NA	NA
FPC-6A	< 2	< 2	NS 4	NS 4	3	< 2	< 2	< 2	2	INS NC	< 1	< 1	2	NS NC	1	1	INS NC	NS NC	< 1	INS NC	1	1	<1	<1	<1
FPC-6B	4		4	4	3	3	3	< 2		INS NC		< 1		INS NC			INS NC			NS NC	< 1		< 1	< 1	<1
	INS NC				< 2	< 2	< 2					NA NA									NA NA				
	113	113		113	< 2	< 2	< 2			NS NS				NS			NS								
EPC-8B	< 2	< 2	< 2	< 2	< 2	<2	< 2	<2		NS	< 1	< 1	< 1	NS		< 1	NS	NS		NS	< 1	< 1	< 1		
FPC-94	4	4	3	3	3	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA		NA
FPC-9B	< 2	NS	ŇŠ	< 2	ŇŠ	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NĂ	NS	NĂ	NĂ	NĂ	NS	NĂ	NĂ	NS	NS	NS	NS	NĂ	NĂ	NĂ	NĂ	NA
FPC-11B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INT	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	10	10	10	11	9	7	7	6	6	NS	6	6	7	NS	6	6	NS	NS	INT	NS	4	3	2	4	3
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 1	NS	< 1	< 1	< 1	NS	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 1	NS	< 1	< 1	NS	< 1	< 1	< 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
		10 F	10 F	1 O F	- 0 F	.05	1 O F	.05	NO		10 F	10E	- 0 F		.05	.05	.05	NIC	.05	105	.05	.05	10E	.05	105
<u> </u>		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< U.5		< 0.5	< 0.5	< U.5 NIQ	< U.5 NIQ	< U.5 210	< 0.5	< 0.5
		< U.D	< U.3	< 0.0 NIC	C.U >	< U.D	< U.3	< U.D		< 0.5	< U.D	< U.D	< 0.5												
330RHR		NS NS					NS NS		NS	NS	NS	NS	NS NS	NIS NIS	NS	< 0.5 NG	< 0.5	~ 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
		NQ NA								NS	NS	NS	NS	NS	NS	NS	< 0.5 NS	< 0.5	< 0.5	× 0.5 NS	< 0.5	< 0.5	< 0.5		< 0.5
		110					110										110	< 0.J	<u> </u>		< 0.J	< 0.5	< 0.5	<u> </u>	<u> </u>

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for Benzene is 5 ug/L. Exceedances are identified with GRAY shading.

3. EPA Cleanup Level (CL) for Benzene is 5 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Chlorobenzene in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
	- 2	6	5	5	3	< 2	< 2	ΝΛ	ΝΑ	NS	ΝΛ	ΝΔ	ΝΛ	NS	ΝΔ	ΝΛ	NS	NS	ΝΛ		ΝΔ	ΝΙΔ			ΝΙΔ
	ζ Z NS		J NS	J NS						NO				NO	NA NS		NO NC	NO		NC					NA NS
		11	113		7	110	113			NS NC				NO NO	NA NA	NIA	NO NO			NO			NIA		
	5	11	/	5	1	5	4	INA 4		INO NC			INA 4		NA 0					INO NIC	NA .	INA .	INA I O		NA 0
MW-5D	8	3	4	4	4	4	3	4	5	NS	4	3	4	NS	3	3	NS	NS		NS	< 2	< 2	< 2	2	2
MW-5S	/	/	6	5	3	<2	< 2	< 2	3	NS	2	2	3	NS	2	< 2	NS	NS	INT	NS	< 2	< 2	< 2		1
MW-6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	NA	< 2	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
MW-8	3	3	3	< 2	2	2	2	4	3	NS	4	3	7	NS	23	9	NS	NS	INT	NS	2	3	2	3	4
MW-9	62	66	122	160	80	25	79	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	6	5	4	4	4	3	3	2	3	NS	2	2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	1	<1
OP-2	9	6	4	4	3	2	2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
OP-5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
Operable Unit 2 Wells																									
AE-1A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-1B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-2A	6	8	5	8	4	3	3	< 2	5	NS	2	2	3	NS	3	< 2	NS	NS	< 2	NS	2	<2	<2	<2	<1
AE-2B	8	4	6	8	5	3	3	3	5	NS	5	3	3	NS	2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-3A	12	7	11	9	8	6	5	6	9	NS	8	7	6	NS	6	6	NS	NS	5	NS	6	7	5	5	6
AE-3B	10	11	9	8	6	4	2	< 2	< 2	NS	< 2	5	5	NS	7	5	NS	NS	INT	NS	3	3	4	5	5
AE-4A	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-4B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-2A	NA	NA	NA	NA	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2	<2	<1
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2	<2	<1
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2	<2	<1
FPC-4B	NS	NS	NS	NS	< 2	< 2	NA	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	NA	<2	<2	<1
FPC-5A	< 2	< 2	16	13	< 2	9	6	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS
FPC-5B	20	17	< 2	< 2	11	< 2	76	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-6A	< 2	< 2	< 2	NS	9	4	3	3	5	NS	< 2	3	5	NS	3	4	NS	NS	3	NS	3	4	<2	2	3
FPC-6B	7	4	9	8	6	7	7	3	7	NS	4	3	5	NS	4	4	NS	NS	INT	NS	2	2	<2	1	3
FPC-7A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 2	< 2	< 2	NA	< 2	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-8A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-8B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-9A	11	10	8	9	8	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 2	NS	NS	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INT	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	9	9	10	13	12	9	10	9	10	NS	10	11	11	NS	11	9	NS	NS	INT	NS	6	5	3	6	5
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
G7-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
G7-123	NS	NS	NS	NS	NS	NS	NS	NS	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NŠ	NS	NS	NS	< 2	NŠ	< 2	< 2	NS	< 2	< 2	< 2	NS	NŠ	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells	-			-		-		_		-			_			L		-	-	-	_	_			_
R-3	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
R-5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	NŠ	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NŠ	NS	NS	NS	NŠ	NS	NS	NS	< 0.5	< 0.5	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5
															•								•		

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for Chlorobenzene is 100 ug/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Chlorobenzene is 100 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Trans-1,2-Dichloroethene in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date Operable Unit 1 Wells	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
	< 2	< 2	< 2	< 2	< 2	< 2	< 2	ΝΔ	ΝΔ	NS	ΝΔ	ΝΔ	ΝΔ	NS	ΝΔ	ΝΔ	NS	NS	ΝΔ	NS	ΝΔ	ΝΔ	ΝΔ	ΝΔ	ΝΔ
	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS								
	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS		NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW/-5D	< 2	< 2	< 2	<2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS		NS	< 2	< 2	< 2	< 2	<1
MW 59	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS			NS	< 2	< 2	< 2	< 2	
MW/ 6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		< 2	< 2		~ 2	< 2	< 2	NS		- 2		< 2	< 2	< 2	< 2	
	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NG	< 2	< 2			< 2	< 2	NS	NC			< 2	< 2	< 2	< 2	
	< 2	< 2	< 2	< 2	< 2	< 2	< 2							NG			NS	NC							
	< 2	< 2	< 2	< 2	< 2	< 2	< 2							NG			NS	NC			NA NA				
	< 2	< 2	< 2	< 2	< 2	< 2	< 2	INA						NO			NO	NO			INA 12		INA 12	INA	1NA
	< 2	< 2	< 2	< 2	< 2	< 2	< 2				< <u>Z</u>			NO	< <u> </u>		NO	NO							
0P-2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		INA NA			NA NA		INS NC	INA NA		INS NC		NA NA		NA NA		INA NA		
OP-5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	IN2	INA	NA	INA	N2	INA	NA	NS	N2	INA	IN2	INA	NA	INA	NA	INA
Operable Unit 2 Wells		0			0	0	0	NIA			NI A								N I A		N1.A			NIA	
AE-1A	< 2	< 2	< 2	< 2	< 2	<2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-1B	< 2	< 2	< 2	<2	<2	<2	< 2	NA	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-2A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-2B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-3A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-3B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
AE-4A	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-4B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-2A	NA	NA	NA	NA	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1								
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1								
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1								
FPC-4B	NS	NS	NS	NS	< 2	< 2	NA	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	NA	<2	<2	<1
FPC-5A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS
FPC-5B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-6A	< 2	< 2	< 2	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-6B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-7A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 2	< 2	< 2	NA	< 2	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-8A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-8B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-9A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 2	NS	NS	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS								
FPC-11A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INT	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS								
GZ-105	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2								
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2								
GZ-123	NS	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS							
GZ-125	NS	< 2	NŠ	< 2	< 2	NS	< 2	< 2	< 2	NS	NS	NŠ	NŠ	NS	NS	NS	NS	NS							
Water Supply Wells						-	-				_					•	· · · ·	- 1	-		-				
R-3	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	NS I	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
R-5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3468HR	NS	NS	<u> </u>	NS	NS	NS	NS	< 0.5	< 0.5	NS	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								
3398HR	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								
415RHR	NS	NS	NS	NS	NS	NS	NS	I NS	NS	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5								
		110		110	110	110	110	110	110									× 0.0	× 0.0		× 0.0	× 0.0	× 0.0	× 0.0	

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for Trans-1,2-dichloroethene (Trans-DCE) is 100 ug/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for Trans-1,2-dichloroethene (Trans-DCE) is 100 ug/L. Exceedances are identified with GRAY shading.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017) **1,2-Dichloropropane** in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells					4		4																		
BP-4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							
MW-4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS NC	< 2	< 2	< 2	NS NC	< 2	< 2	NS NC	NS NC		NS NC	< 2	< 2	< 2	< 2	<1
MW-5S	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS NC	< 2	< 2	< 2	NS 0	< 2	< 2	NS NC	NS NC		NS NC	< 2	< 2	< 2	< 2	<1
MVV-6	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS NC	< 2	< 2	INA 12	< 2	< 2	< 2	NS NC	NS NC	< 2	NS NC	< 2	< 2	< 2	< 2	<1
MVV-8	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	INS NC	< 2		< 2	INS NC	< 2	< 2	INS NC				< 2	< 2	< 2	< 2	
MVV-9	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA NA		INS NC	NA NA	NA NA			NA NA	NA NA	INS NC				NA NA	NA NA	NA	NA NA	NA NA
MVV-10	< 4	< 4	< 4	< 4	< 4	< 4	< 4	INA 14	INA 12	INS NC	INA 12	INA 12	INA 12		INA 12	INA 12	INS NC				INA 12	INA 12	INA 12	INA 12	INA 11
MW-11	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	INS NC	< 2		< 2		< 2	< 2	INS NC				< 2	< 2	< 2	< 2	
0P-2	< 4	< 4	< 4	< 4	< 4	< 4	< 4				NA NA										NA NA	NA NA	NA NA		
OP-5 Operable Unit 2 Wells	< 4	< 4	< 4	< 4	< 4	< 4	< 4	INA	INA	INO	INA	INA	NA NA	113	INA	INA	NO NO	NO	INA	NO NO	NA	INA	INA	INA	INA
		- 1	- 1	- 1	- 1		- 1				NIA				ΝΙΔ			NC	ΝΑ		ΝΛ	ΝΑ	ΝΑ	NIA	ΝΙΔ
	< 4	< 4	< 4	< 4	< 4	< 4	< 4		NA NS	NS	NA NA			NC			NC	NC			NA NA	NA NA	NA NA	NA NA	
	< 4	< 4	< 4	< 4	< 4	< 4	< 4		- 2					NS			NS								
	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2		< 2	< 2	< 2	NS	< 2	< 2	NS		< 2		< 2	< 2	<2	< 2	<1
		< 4	< 4	< 4	< 4		< 4	< 4	< 2	NS	< 2	< 2	<2		< 2	< 2	NS	NS	< 2		< 2	< 2	<2	< 2	~1
	< 4	< 4	< 4	< 4	< 4		< 4	< 4	< 2	NS	< 2	<2	<2		< 2	<2	NS	NS		NS	< 2	< 2	<2	<2	<1
					< 4		< 4	< 4	< 2	NS	< 2	<2	<2		< 2	<2	NS	NS	< 2	NS	< 2	< 2	<2	<2	<1
	NS	NS	NS	NS	< 4		< 4	< 4	<2	NS	< 2	<2	<2	NS	<2	<2	NS	NS	< 2	NS	< 2	< 2	<2	<2	<1
	ΝΔ	NA		NA	< 4		< 4	< 4	<2	NS	< 2	<2	<2	NS	< 2	<2	NS	NS	NS	NS	NS	NS	NS	NS	
FPC-2B	NS	NS	NS	NS	< 4	< 4	< 4	< 4	<2	NS	< 2	<2	<2	NS	<2	<2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1							
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1							
EPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1							
EPC-4B	NS	NS	NS	NS	< 4	< 4	NA	< 4	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	NA	NA	NA	<1
EPC-5A	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS
EPC-5B	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-6A	< 4	< 4	< 4	NS	< 4	< 4	< 4	< 4	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-6B	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-7A	NS	NS	NS	NS	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 4	< 4	< 4	NA	< 2	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-8A	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-8B	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-9A	< 4	< 4	< 4	< 4	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 4	NS	NS	< 4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							
FPC-11A	NS	NS	NS	NS	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 4	< 4	< 4	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INT	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							
GZ-105	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2							
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2							
GZ-123	NS	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS							
GZ-125	NS	< 2	NS	< 2	< 2	NS	< 2	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS							
Water Supply Wells																									
R-3	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
R-5	NS	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NS	< 0.5	< 0.5	< 0.5	< 0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	NS	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5							
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5							
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5	NS	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5							
										-															

#### Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for 1,2-dichloropropane is 5 ug/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for 1,2-dichloropropane is 5 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Tetrachloroethene (PCE) in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells									•			-									-				-
BP-4	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
MW-4	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
MW-5S	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
MW-6	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	NA	< 2	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
MW-8	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
MW-9	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
OP-2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
OP-5	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
Operable Unit 2 Wells																									
AE-1A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-1B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-2A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-2B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-3A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-3B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
AE-4A	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
AE-4B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-2A	NA	NA	NA	NA	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	NS	NS	NS	NS	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1						
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 2	< 2	<1						
FPC-3C	NS	NS	NS	NS NC	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	< 2	< 2	<1						
FPC-4B	105	105	105		< 2	< 2	INA 12	< 2	< 2		< 2	< 2	< 2		< 2		INS NC					INA NG			
	< 2	< 2	< 2	< 2	< 2	< 2	< 2										NO					INS NA			
	< 2	< 2	< 2		< 2	< 2	< 2			NS				NS	< 2		NS	NS	<u> </u>	NS	< 2		< 2	<u> </u>	
FPC-6B	<2	< 2	< 2	< 2	<2	<2	< 2	< 2	<2	NS	< 2	<2	< 2	NS	< 2	< 2	NS	NS		NS	< 2	< 2	< 2	<2	<1
FPC-7A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 2	< 2	< 2	NA	< 2	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-8A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	< 2	NS	< 2	< 2	< 2	< 2	<1
FPC-8B	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	INT	NS	< 2	< 2	< 2	< 2	<1
FPC-9A	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 2	NS	NS	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
FPC-11A	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 2	< 2	< 2	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INT	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS						
GZ-105	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS		NS	< 2	< 2	< 2	< 2	<1
<u> </u>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2						
<u> </u>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2						
<u> </u>	NS	NS	< 2	NS	< 2	< 2	< 2	NS	< 2	< 2	NS	NS	NS	NS	NS	NS	NS	NS	NS						
GZ-125	NS	NS	< 2	NS	< 2	< 2	NS	<2	< 2	<2	NS	NS	NS	NS	NS	NS	NS	NS	NS						
	Ne	< 0.5	< 0 F	<05	<05	< 0.5	< 0.5	< 0.5	NC	< 0.5	< 0.5	< 0.5	<05	NC	< 0.5	< 0.5	<05	NG	< 0 F	<05	< 0.5	< 0.5	< 0.5	- 0 F	< 0.5
<u>г</u> -Э Р <i>5</i>		< 0.5	< 0.5	< 0.5	< 0.0	< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5		C.U >			NIC			< 0.5 NS	< 0.0 210	< 0.5		C.U >
																		NS		NC	~ 0.5				
330RHR		NQ					NS		NS	NS	NS		NS	NS	NS		< 0.5	< 0.5	< 0.5		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
					NC					NS	NS	NS	NS	NS	NS	NS	NS	< 0.5	< 0.5		< 0.5			< 0.5	< 0.5
	110	NO	110		110	NO NO	110	110	110	110			110	140	110			< 0.0	< 0.5	110	< 0.5	< 0.5	< 0.0	< 0.0	< 0.5

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for tetrachloroethene (PCE) is 5 ug/L. Exceedances are identified with GRAY shading.

3. EPA Cleanup Level (CL) for tetrachloroethene (PCE) is 3.5 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Methyl Ethyl Ketone (MEK) in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells																									1
BP-4	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
MW-5S	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
MW-6	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	NA	< 10	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
MW-8	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
MW-9	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
OP-2	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
OP-5	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
Operable Unit 2 Wells				100	100				101			101		110											í
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA		NA	NA
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	$\sim$ 10	< 10	<10
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS		< 10	NS	< 10	< 10	$\sim$ 10	< 10	<10
	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS				< 10	< 10		< 10	<10
					< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS				< 10	< 10		< 10	<10
	NS		NS	NS	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10		< 10	< 10		< 10	<10
					< 50	< 50	< 50	< 50	< 10	NC	< 10	< 10	< 10	NC	< 10	< 10	NG	NC							
			NA NS		< 50	< 50	< 50	< 50	< 10	NO	< 10	< 10	< 10	NC	< 10	< 10	NS	NC			NS	NS			
FPC-2B	NS NS		NS NS	NS NS	< 30 NS	< 50 NG	< 50 NS	< 50 NS		NC				NC			NS NS				NS		110	113	113
FPC-3A	NS NS		NS NS	NS NS	NS NS		NS		NS NS	NC		NS NS		NC	NS						NS NS		< 10	< 10	<10
FPC-3B	INS NS		INS NC	INS NS	INS NS	ING NC	NS NS		INS NC					NO NC	ING NC						INS NS	INS NS	< 10	< 10	<10
FPC-3C	INS NS		INS NC	INS NS	113	1105	NS NA	113	110		110	110	110	NS NC	110	110					110	INS NIA			<10
FPC-4B	115	1105	113	115	< 50	< 50	NA 150	< 50	< 10	INS NC	< 10	< 10	< 10	ING NC	< 10	< 10		NO NC			< 10	INA NC			<10
FPC-5A	< 50	< 50	< 50	< 50	< 50	< 50	< 50		NA NA	INS NC				ING NC				NO NC			INS NA	INS NIA			
FPC-5B	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA 50	NA 10	INS NC	INA 10	INA 10	INA 10	INS NC	INA 10	INA 10		INS NC			NA 10	INA 10		INA 10	
FPC-6A	< 50	< 50	< 50	115	< 50	< 50	< 50	< 50	< 10	INS NO	< 10	< 10	< 10	INS NO	< 10	< 10	INS NO	INS NO	< 10	INS NO	< 10	< 10	< 10	< 10	<10
FPC-6B	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	INS NO	< 10	< 10	< 10	INS NO	< 10	< 10	INS NO	INS NO		INS NO	< 10	< 10	< 10	< 10	<10
FPC-7A	NS	NS	NS	NS	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS		NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 50	< 50	< 50	NA	< 10	NS	NA	NA	NA	NS	NA	NA	NS	NS		NS	NA	NA	NA	NA	NA
FPC-8A	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
FPC-8B	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS		NS	< 10	< 10	< 10	< 10	<10
FPC-9A	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 50	NS	NS	< 50	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 50	< 50	< 50	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INI	NA	NA	NA	NA
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10
GZ-123	NS	NS	NS	NS	NS	NS	NS	NS	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NS	NS	NS	NS	NS	NS	NS	NS	< 10	NS	< 10	< 10	NS	< 10	< 10	< 10	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells																								]	·
R-3	NS	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	NS	< 5	< 5	< 5	< 5	NS	< 5	< 5	< 5	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5
R-5	NS	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	< 12.5	NS	< 5	< 5	< 5	< 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5	< 5	NS	< 5	NS	< 5	< 5	< 5	< 5	< 5
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5	< 5	NS	< 5	< 5	< 5	< 5	< 5

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for methyl ethyl ketone (MEK, 2-butanone) is 4000 ug/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for methyl ethyl ketone (MEK, 2-butanone) is 200 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

Tetrahydrofuran (THF) in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-00	Apr-01	Aug-01	Aug-02	Aug-03	Aug-04	Aug-05	Aug-06	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells																									
BP-4	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	162	60	< 30	101	85	142	88	110	110	NS	110	90	90	NS	110	90	NS	NS	INT	NS	50	50	80J-	80	80
MW-5S	44	35	< 30	46	< 30	34	< 30	< 30	60	NS	40	40	40	NS	40	30	NS	NS	INT	NS	20	20	20	10	20
MW-6	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 10	NS	< 10	< 10	NA	< 10	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
MW-8	248	157	< 30	175	184	282	273	239	180	NS	180	180	160	NS	140	100	NS	NS	INT	NS	150	140	160J-	110	120
MW-9	< 30	< 30	< 30	137	< 30	< 30	84	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	246	228	< 30	225	130	114	< 30	50	60	NS	30	30	20	NS	20	10	NS	NS	INT	NS	10	10	10J-	10	10
OP-2	< 30	< 30	< 30	< 30	< 30	< 30	87	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
OP-5	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
Operable Unit 2 Wells																									
AE-1A	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-1B	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-2A	30	33	< 30	45	< 30	< 30	< 30	< 30	20	NS	< 10	10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
AE-2B	15/	86	< 30	127	104	92	81	69	60	NS	70	50	30	NS	30	30	NS	NS	30	NS	30	30	20	20	20
AE-3A	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
AE-3B	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 10	INS NC	< 10	< 10	< 10	INS NC	< 10	< 10	INS NC	NS NC		NS NC	< 10	< 10	< 10	< 10	<10
	INS NC		INS NS		< 30	< 30	< 30	< 30	< 10		< 10	< 10	< 10		< 10	< 10			< 10		< 10	< 10	< 10	< 10	<10
	NA NA		NA NA		< 30	< 30	< 30	< 30	< 10	NS NS	< 10	< 10	< 10	NO	< 10	< 10	NS	NS							
			NA		< 30	< 30	$\frac{< 30}{< 30}$	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS			NS	NS			NS
	NS	NS	NS	NS		NS			NS	NS		NS		NS	NS		NS	NS	NS	NS	NS	NS	< 10	/ 10	~10
FPC-3R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 10	< 10	<10
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 10	< 10	<10
FPC-4B	NS	NS	NS	NS	< 30	< 30	NA	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS		NS	< 10	NA	NA	NA	<10
FPC-5A	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NS	NS	NS	NS	NS
FPC-5B	< 30	< 30	< 30	< 30	< 30	< 30	79	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-6A	< 30	< 30	< 30	NS	< 30	< 30	< 30	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
FPC-6B	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
FPC-7A	NS	NS	NS	NS	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-7B	NS	NS	NS	NS	< 30	< 30	< 30	NA	< 10	NS	NA	NA	NA	NS	NA	NA	NS	NS	INT	NS	NA	NA	NA	NA	NA
FPC-8A	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 10	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	< 10	NS	< 10	< 10	< 10	< 10	<10
FPC-8B	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	NA	NS	< 10	< 10	< 10	NS	< 10	< 10	NS	NS	INT	NS	< 10	< 10	< 10	< 10	<10
FPC-9A	32	< 30	< 30	30	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
FPC-9B	< 30	NS	NS	< 30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NS	NS	NS	NS	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	NA	NA	NA	NA	NA
FPC-11B	NS	NS	NS	NS	< 30	< 30	< 30	NA	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NS	NS	INI	NA	NA	NA	NA
FPC-11C	NS 100	NS 100	INS 120	N5	NS	NS		INS 02	INS 80	INS NC	NS 70	INS 80	<u>NS</u>	INS NC	NS 70	INS EQ	INS NC	NS NC		NS NC	NS	NS 20		NS	NS 20
GZ-105	169	120	< 30	11Z	113	131 NC	151	83 NS	80 NS		70 NS	80 NS	70	INS NC	70	50 NS	INS NC				20	20	20J+	30	20
GZ-109	NS NS		NS NS		NS	NS NS			NS NS	NS NS	NS NS	NS NS		NS	NS NS	NS NS	NS	NS			NS	NS NS	NS	NS NS	<10
<u> </u>	NS		NS	NS NS		NS		NS	- 10	NS	110	113	- 10	NS	- 10	-10	NS	NS			NS	NS	NS	NS	
<u> </u>	NS	NS	N.S.	NS	NS	NS	NS	NS	~ 10	NS	< 10	< 10	NS	~ 10	~ 10	~ 10	NS	NS	NS	NS	NS	NS	NIS	NS	NS
Water Supply Wells					110		NO			NO	< 10		NO					NO	NO		NO			no	
R-3	NS	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	NS	< 5	< 5	< 5	< 5	NS	< 5	< 5	< 5	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5
R-5	NS	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	< 7.5	NS	< 5	< 5	< 5	< 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NŠ	NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5	< 5	NŠ	< 5	NS	< 5	< 5	< 5	< 5	< 5
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NŠ	NS	NŠ	NS	NS	< 5	< 5	NS	< 5	< 5	< 5	< 5	< 5

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for tetrahydrofuran (THF) is 154 ug/L. Exceedances are identified with GRAY shading.
 EPA Cleanup Level (CL) for tetrahydrofuran (THF) is 154 ug/L. Exceedances are identified with BOLD text.

4. FPC-3 series December 2016 data is reported in May 2016.

### Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017) tert-Butyl Alchohol (TBA) in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	Nov-07	Jan-08	Aug-08	Aug-09	Aug-10	Feb-11	Aug-11	Aug-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells																	
BP-4	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-5D	60	NS	50	40	40	NS	50	40	NS	NS	INT	NS	60	40	50	40	50
MW-5S	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	INT	NS	< 30	< 30	< 30	<30	<30
MW-6	< 30	NS	< 30	< 30	NA	< 30	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
MW-8	70	NS	70	60	50	NS	50	40	NS	NS	INT	NS	50	40	50	50	40
MW-9	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-10	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
MW-11	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	INT	NS	< 30	< 30	< 30	<30J	<30
OP-2	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
OP-5	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
Operable Unit 2 Wells																	
AE-1A	NA	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-1B	NS	NS	NA	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NA	NA	NA
AE-2A	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
AE-2B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
AF-3A	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
AF-3B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	INT	NS	< 30	< 30	< 30	<30	<30
AF-4A	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30J	<30
AF-4B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
FPC-2A	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-2B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 30	<30.1	<30
EPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 30	<30.1	<30
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 30	<30.1	<30
FPC-4B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS		NS	< 30	NA	NA	NA	<30
	NΔ	NS		NA	NA NA	NS	NA NA	NA NA	NS	NS	ΝΔ	NS	NS	NS	NS	NS	NS
EPC-5B	NΔ	NS		NA	NA	NS	NA	NΔ	NS	NS		NS		ΝΔ		ΝΔ	
EPC-6A	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS	< 30	NS	< 30	< 30	< 30	<30	<30
EPC-6B	< 30	NS	< 30	< 30	< 30	NS	< 30	< 30	NS	NS		NS	< 30	< 30	< 30	<00	<00
	ς 50 ΝΔ	NS			< 00 ΝΔ	NS		× 50 ΝΔ	NS	NS		NS		NA NA			
EPC 78	< 30					NS		NA		NS		NS		ΝΔ			
	< 30		< 30	< 30			< 30	~ 30					< 30	< 30		-30	-30
			< 30	< 30	< 30	NS	< 30	< 30				NS	< 30	< 30	< 30	<30	<30
						NS						NS	<u> </u>				
EDC OR						NS						NS					-30
FPC-9B	NS		NS	NS	NS	NS						NS					
	NA NA					NS						NS					
FPC-IIA						NC						NC					
FPC-11B	INA NS	NS				NO		NA NS						NA NS			
FPC-11C	103	ING NS	113	113	113	NO	113	113					1103	113	113	113	113
GZ-105	< 30	ING NS		< 30 NG	< 30 NG	NO		< 30 NS					< 30 NS	< 30 NS	< 30 NS	<30 NG	<30
GZ-109			INS NC			NO NC											<30
62-11/																	<30
GZ-123	< 30	NS	< 30	< 30	< 30	115	< 30	< 30					<u>NS</u>	INS NO	INS NO	INS NC	INS NO
GZ-125	< 30	IN2	< 30	< 30	112	< 30	< 30	< 30	112	112	112	112	IN2	112	112	IN2	6VI
water Supply wells			~~														
K-3	NS	< 30	< 30	< 30	< 30	NS	< 30	< 30	< 30	NS NG	< 30	< 30	< 30	< 30	< 30	< 30	< 30
K-5	NS	< 30	< 30	< 30	< 30	NS	NS	NS	NS	NS	NS	NS	NS 00	NS a		NS	NS
346BHR	NS	NS	NS	NS	NS	NS	NS	< 30	< 30	INS:	< 30	NS	< 30	< 30	< 30	< 30	< 30
339BHR	NS	NS	NS	NS	NS	NS	NS	NS	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30	< 30
415BHR	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 30	< 30	NS	< 30	< 30	< 30	< 30	< 30

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analyzed by Method 8260B (monitoring well) or Method 524 (water supply wells)
 NHDES Ambient Groundwater Quality Standard (AGQS) for tertiary butyl alchohol (TBA) is 40 ug/L. Exceedances are identified with GRAY shading.
 An EPA Cleanup Level (CL) for tert-Butyl Alcohol has not been established.
 Tertiary butyl alcohol (TBA) not included on Method 8260B parameter list prior to November 2007.

5. FPC-3 series December 2016 data is reported in May 2016.

Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017)

1,4-Dioxane (Low Level Method) in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox Date	Aug-09	Aug-10	Feb-11	Aug-11	Αμα-12	Mar-13	Apr-13	Aug-13	Feb-14	Sep-14	Sep-15	May-16	May-17	Sep-17
Operable Unit 1 Wells	7 tug 00	/lug lo	10011	//ug i i	Tug 12	Mai 10	Лрі то	/ tug 10	10014		000 10	May 10	Way 17	
BP-4	NA	ΝΑ	Q	10	13	NS	NS	96	NS	12	11	11	75	79
	NS	NS	NS	NŠ	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW/-4	NA	6	NS	6	2.5	NS	NS	4.8	NS	6.9	8.5	5.2	4.6	7.2.J
MW-5D	140	150	NS	140	140	NS	NS	INT	NS	130	150	120	110	140
	70	90	NS	70	61	NS	NS	INT	NS	49	57	42	30	37
	< 1	NA	NS	< 1	< 0.25	NS	NS	< 0.25	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
	310	230	NS	200	210	NS	NS		NS	200	240	190	150	150.1+
MW/-0	NA	16	NS	14	30	NS	NS	61	NS	200	240	35	<0.25	5.8
M/W 10		NA					NS		NS			5.5 NA	<0.25	3.0
M\\\/ 11	100	45		40	56		NS		NS	/1	38	37	27	33
	NA	40		40	1		NS	12	NS	1.5	1.6	0.64	0.66	0.60
0P-2					NA		NS		NS	1.5 NA	1.0 N/A	0.04 NA	0.00	<0.09
Operable Unit 2 Wells			110			110	NO NO		NO NO				<0.25	<0.25
		ΝΙΔ	NC	L 2 1	ΝΙΛ		NC		NC		ΝΙΑ		0.00	0.07
		NA NA	NS NS				NS		NS				0.88	0.97
AE-1B		10			10					16	12	NA C E	0.97	1.1
AE-2A		12		14	10					10	13	0.0	5.9	2.2
AE-2B		110		<u> </u>	02			00		07	90	70	56	67
AE-3A		23		19	24					20	24	20	10	19
AE-3B		24	INS NIA	19	21					20	25	20	15	10
AE-4A					< 0.25		INS NC		INS NC		<0.25	<0.25	<0.25	<0.25
AE-4B	NA	NA	NA	NA	< 0.25	NS NO	NS NO	NA	NS NO	NA	<0.25	<0.25	<0.25	<0.25
FPC-2A	NA	NA	NA	NA	NA	NS	NS NO	NS	NS NO	NS	NS NO	NS	NS	NS NO
FPC-2B	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-3A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.25	<0.25	<0.25
FPC-3B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.25	<0.25	<0.25
FPC-3C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41	0.48	0.52
FPC-4B	NA	NA	NA	NA	< 0.25	NA	NA	INI	NS	NA	NA	NA	<0.25	<0.25
FPC-5A	NA	NA	NS	27	25	NS	NS	29	NS	NS	NS	NS	NS	NS
FPC-5B	NA	NA	NS	50	53	NS	NS	INI	NS	64	67	50	40	59
FPC-6A	NA	NA	NS	NA	31	NS	NS	21	NS	26	30	9.5	8	22
FPC-6B	NA	NA	NS	NA	23	NS	NS	INT	NS	19	19	7.6	7.1	19
FPC-7A	NA	NA	NA	< 1	< 0.25	NA	NA	NA	NS	NA	NA	NA	< 0.25	<0.25
FPC-7B	NA	NA	NA	< 1	< 0.25	NA	NA	INI	NS	NA	NA	NA	<0.25	<0.25
FPC-8A	NA	< 1	NS	< 1	0.51	NS	NS	0.6	NS	0.60	0.70	0.58	0.48	0.85
FPC-8B	NA	1	NS	< 1	0.93	NS	NS	INT	NS	0.62	0.81	0.58	0.49	0.71
FPC-9A	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NS	14	17
FPC-9B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5
FPC-9C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
FPC-11A	NA	NA	NS	NA	NA	NS	NS	NA	NS	NA	NA	NS	0.93	1.2
FPC-11B	NA	NA	NS	NA	NA	NS	NS	NA	NS	INT	1.4	0.94	0.55	0.91
FPC-11C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-105	NA	NA	NS	80	98	NS	NS	INT	NS	69	62	39	67	54
GZ-109	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.25
GZ-117	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.25
GZ-123	NA	NA	NS	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
GZ-125	NA	NA	NS	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS
Water Supply Wells														
R-3	NA	NA	NS	NA	0.4	0.45	NS	0.45	0.42	0.37	0.37	0.45	0.34	0.32
R-5	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346BHR	NS	NS	NS	NS	< 0.25	NS	NS	< 0.25	NS	< 0.25	< 0.25	< 0.25	<0.25	< 0.25
339BHR	NS	NS	NS	NS	NS	NS	0.38	0.42	0.63	0.42	0.74	0.51	0.35	0.54
415BHR	NS	NS	NS	NS	NS	NS	< 0.25	< 0.25	NS	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25

Table Notes:

All data in micrograms per liter (ug/L), parts per billion - Analysis by Method 8260B SIM (a low level detection limit methodology)
 1,4-dioxane not included on Method 8260B parameter list prior to August 2010. First analyses by 8260B SIM were completed in Aug. 2009.
 Results for standard Method 8260B (detection limit of 50 ug/L) are not provided in this table

4. NHDES Ambient Groundwater Quality Standard (AGQS) for 1,4-dioxane is 3 ug/L. Exceedances are identified with GRAY shading.

5. An EPA Cleanup Level (CL) for 1,4-dioxane has not been established.

6. Residential results for January 2107 are reported for the May 2107 data.

7. FPC-3 series December 2016 data is reported in May 2016.

Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017) **PFOA** in Groundwater Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox. Date	May-16	May-17	Sep-17
Operable Unit 1 Wells			
BP-4	57.6	62.3	48.6
MW-2	NS	NS	NS
MW-4	756	1240D	887
MW-5D	61.2	119	84.1
MW-5S	647	849D	689
MW-6	NS	11.4J	5.70J
MW-8	262	435	326J+
MW-9	656	386	744
MW-10	NS	186	775
MW-11	693	799D	809
OP-2	NS	87.1	39.5
OP-5	NS	1.86.1	2 77.1
Operable Unit 2 Wells			2.1.10
	61	5 48 1	4 20.1
ΔΕ-ΤΑ	5 71	7 38.1	4 37.1
ΔΕ-2Δ	640	827	499
	670	902	709
	196	387	247
	190	384	27/
	-8.26	-1 12	214
	1.25	<1.12	<1.17
	1.25 NS	<1.07 NG	
	NS		NS
FPC-2B	113	11.05	11.0
FPC-3A	<7.00	<1.05	<1.19
FPC-3B	<0.04	<1.05	<1.17
	1.000	<1.00	<1.10
	<0.33	<1.09 NG	<1.19 NG
	109	102	126
FPC-5B	100	192	130
FPC-6A	120	93.3	143
FPC-6B	74.9	60.4	7 7 0 1
FPC-7A	4.45	5.64J	1.72J
FPC-7B	8.65	5.56J	12.3J
FPC-8A	8.98	10.35	11.6J
FPC-8B	2.98	3.96J	2.26J
	81 NC	111	/5./
FPC-9B			21.5J
	19.5	24.9	18.4J
FPC-11B	29.6	14.0J	14./J
FPC-11C	NS 482	NS 405	INS 000
GZ-105	198	425	226
GZ-109	NS	NS NG	1./4J
<u> </u>	NS	NS	5.16J
GZ-123	NS	NS	NS
GZ-125	NS	NS	NS
Water Supply Wells		-	<b>.</b>
R-3	<8	<8	2.03J
R-5	NS	NS	NS
346BHR	<8	<8	<1.16
339BHR	25	17.8	13.5J
415BHR	<8	<8	<1.20

Table Notes:

1 All data in nanograms per liter (ng/L), parts per trillion - Analysis by Method 537 Modified

2 NHDES Ambient Groundwater Quality Standard (AGQS) for PFOA is 70 ng/L. Exceedances are identified with GRAY shading.

3 An EPA Health Advisory (HA) for PFOA is 70 ng/L. Exceedances are identified with Gray shading.

4 Residential results for July 2016 are reported in the May 2016 column and January 2017 results are reported in the May 2017 column. Method detection limits for the laboratory were 8 to 16 ng/L for the May 2016 and January 2017 sampling events while detection limits ranged from 1 to 3 ng/L duirng the May 2017 sampling event.

5 FPC-3 series December 2016 data is reported in May 2016.

6 EPA has not designated PFOA as a Contaminant of Concern, however, data has been included on this table for informational purposes. Abbreviations:

Contaminants of Concern Analytical Data (November 2000 – September 2017) **PFOS** in Groundwater Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

P			
Well ID / Appox. Date	May-16	May-17	Sep-17
Operable Unit 1 Wells			
BP-4	13.3	7.97J	5.73J
MW-2	NS	NS	NS
MW-4	30.8	60.6	27
MW-5D	29.3	23.9	25.2
MW-5S	84	89.5	70.3
MW/-6	NS	3 79.1	6.89.1
M\\\/ 8	212	224 +	237
N/V/ 0	452	/20	111
NIV -9	4JZ NS	429	444
	209	105	420
10100-111	300	10 71	2/3
<u> </u>	INS NO	12.7J	7.96J
0P-5	NS	<1.05	<1.09
Operable Unit 2 Wells		. =	
AE-1A	3.06	1.78J	2.50J
AE-1B	3.71	3.01J	2.05J
AE-2A	324	297	300
AE-2B	463	456	415
AE-3A	72.1	91.9	76.8
AE-3B	62.8	90.9	64
AE-4A	<8.26	<1.02	<1.07
AE-4B	<8.19	<0.98	<1.07
FPC-2A	NS	NS	NS
FPC-2B	NS	NS	NS
FPC-3A	<7.66	<0.96	<1.08
FPC-3B	1J	<0.96	<1.07
FPC-3C	0.976J	<0.99	<1.08
FPC-4B	<8.33	<0.99	<1.08
FPC-5A	NS	NS	NS
FPC-5B	31	30.1	34.7
FPC-6A	28.4	18.9J	19.4J
FPC-6B	17.6	13.0J	20.3J
FPC-7A	1 78	1.88.1	2 26.1
FPC-7B	3.27	1.35.1	2.58.1
FPC-84	3.89	2 84.1	3.66.1
FPC-8R	1 46	2 53 1	<1 12
	26.5	20.91	21.81
	20.0 NS	N9	4 75 1
			4.733 NIQ
	5.01	1 60 1	3 61 1
	0.ZI	1.00J	3.01J
	C.01	3.//J	
FPU-110	100	115	145
<u>GZ-105</u>	130	211	145
<u>GZ-109</u>	INS NO	INS NC	<1.11
<u>GZ-117</u>	NS NO	NS NO	17.3J
GZ-123	NS NO	NS NO	NS NO
GZ-125	NS	NS	NS
Water Supply Wells		-	
R-3	<8	<8	<1.10
R-5	NS	NS	NS
346BHR	<8	<8	1.05J
339BHR	<8	<8	<1.15
415BHR	<8	<8	<1.09

Table Notes:

1 All data in nanograms per liter (ng/L), parts per trillion - Analysis by Method 537 Modified

- 2 NHDES Ambient Groundwater Quality Standard (AGQS) for PFOS is 70 ng/L. Exceedances are identified with GRAY shading.
- 3 An EPA Health Advisory (70) for PFOA is 70 ng/L. Exceedances are identified with Gray shading.
- 4 Residential results for July 2016 are reported in the May 2016 column and January 2017 results are reported in the May 2017 column. Method detection limits for the laboratory were 8 to 16 ng/L for the May 2016 and January 2017 sampling events while detection limits ranged from 1 to 3 ng/L duirng the May 2017 sampling event.
- 5 FPC-3 series December 2016 data is reported in May 2016.
- 6 EPA has not designated PFAS as a Contaminant of Concern, however, data has been included on this table for informational purposes. Abbreviations:

### **TABLE 9** Contaminants of Concern Analytical Data (November 2000 – September 2017) PFOA and PFOS Combined in Groundwater

Coakley Landfill Superfund Site

North Hampton and Greenland, New Hampshire

Well ID / Appox, Date	Mav-16	Mav-17	Sep-17
Operable Unit 1 Wells	, maij 10		
BP-4	70.9	70.27J	54.33J
MW-2	NS	NS	NS
MW-4	786.8	1295.8	912.5
MW-5D	90.5	142.9	109.3
MW-5S	731	938.5	759.3
MW-6	NS	15.19J	12.59J
MW-8	474	659.1+	563.1+
MW-9	1108	815	1188
MW-10	NS	291	1201
MW/-11	1001	1117	1082
OP-2	NS	99.8J	47.46J
OP-5	NS	1.86.1	2 77.1
Operable Unit 2 Wells		1.000	2.770
AF-1A	9 16	7 26.1	6 70.1
AF-1B	9.42	10.39.1	6 42.1
ΔΕ-2Δ	964	1124	799
AF-2R	1133	1358	1124
ΔΕ-3Δ	268.1	478.9	323.3
ΔF-3R	257.8	474.9	338
	ND	ND	ND
ΔΕ-4Α	1.25	ND	ND
FPC-2A	NS	NS	NS
FPC-2B	NS	NS	NS
FPC-3A	ND	ND	
EPC-3B	1.1	ND	ND
FPC-3C	2.08.1	ND	ND
FPC-4B	ND	ND	ND
FPC-5A	NS	NS	NS
EPC-5B	139	222.1	170.7
FPC-6A	154.4	112.2J	162.4J
FPC-6B	92.5	93.4	130.3J
FPC-7A	6.23	7.52J	9.98J
FPC-7B	11.9	6.91J	14.88J
FPC-8A	12.9	13.14J	15.26J
FPC-8B	4.4	6.49J	2.26J
FPC-9A	107.5	131.9J	97.5
FPC-9B	NS	NS	26.25J
FPC-9C	NS	NS	NS
FPC-11A	24.7	26.5J	22.01J
FPC-11B	46.1	17.77J	25.5J
FPC-11C	NS	NS	NS
GZ-105	328	636	371
GZ-109	NS	NS	1.74J
GZ-117	NS	NS	22.46J
GZ-123	NS	NS	NS
GZ-125	NS	NS	NS
Water Supply Wells	•		•
R-3	ND	ND	2.03J/ND
R-5	NS	NS	NS
346BHR	ND	ND	1.05J
339BHR	25	17.8	13.5J
415BHR	ND	ND	ND

#### Table Notes:

All data in nanograms per liter (ng/L), parts per trillion - Analysis by Method 537 Modified
 NHDES Ambient Groundwater Quality Standard (AGQS) for PFOA/PFOS combined is 70 ug/L. Exceedances are identified with GRAY shading.

3. An EPA Health Advisory (HA) for PFOA/PFOS combined is 70 ng/L. Exceedances are identified with Gray shading.

4. Residential results for July 2016 are reported under May 2016 and January 2017 are reported under May 2017

5. FPC-3 series December 2016 data is reported in May 2016.

6. EPA has not designated the Combination of PFOA and PFAS as a Contaminant of Concern, however, data has been included on this table for informational purposes. Abbreviations:



### **TIME SERIES PLOTS**

ARSENIC SUMMARY PLOTS MANGANESE SUMMARY PLOTS BENZENE SUMMARY PLOTS 1,4-DIOXANE SUMMARY PLOTS TERTIARY-BUTYL ALCOHOL SUMMARY PLOT ARSENIC, MANGANESE AND BENZENE PLOTS AT SELECT WELLS














































































## Time Series Plots - Arsenic (Total) in Bedrock Wells 2017 Bi-Annual Report Coakley Landfill - North Hampton, New Hampshire

## NOTES:

- 1. NHDES Ambient Groundwater Quality Standard for Arsenic is 10 ug/L.
- 2. EPA Cleanup Level for Arsenic 10 ug/L.
- 3. Non-Detects are plotted at zero.
- 4. In instances where primary and duplicate samples were collected, the higher value is plotted.
- Interval samples were collected at MW-5S, MW-5D, MW-8, MW-11, FPC-5B, FPC-6B, FPC-8B, GZ-105 and AE-3B in Aug. 2013 and at FPC-11B in Sept. 2014. The average concentration for interval sample results at each individual well were used to prepare this plot.



Time Series Plots - Arsenic (Total/Dissolved) in Overburden Wells 2017 Bi-Annual Report Coakley Landfill - North Hampton, New Hampshire

## NOTES:

1. NHDES Ambient Groundwater Quality Standard for Arsenic is 10 ug/L.

- 2. EPA Cleanup Level for Arsenic 10 ug/L.
- 3. Non-Detects are plotted at zero.
- 4. In instances where primary and duplicate samples were collected, the higher value is plotted.
- 5. Total Arsenic results are plotted for events prior to Fall 2014. Beginning in Fall 2014 samples from all overburden wells were filtered (0.45 micron) at the time of sampling and Dissolved Arsenic results are plotted.


#### Time Series Plots - Manganese (Total) in Bedrock Wells 2017 Bi-Annual Report Coakley Landfill - North Hampton, New Hampshire

#### NOTES:

1. NHDES Ambient Groundwater Quality Standard for Manganese is 840 ug/L.

- 2. EPA Cleanup Level for Manganese is 300 ug/L.
- 3. Non-Detects are plotted at zero.

 Interval samples were collected at MW-5S, MW-5D, MW-8, MW-11, FPC-5B, FPC-6B, FPC-8B, GZ-105 and AE-3B in Aug. 2013 and at FPC-11B in Sept. 2014. The average concentration for interval sample results at each individual well were used to prepare this plot.

<sup>4.</sup> In instances where primary and duplicate samples were collected, the higher value is plotted.



Time Series Plots - Benzene in Groundwater 2017 Bi-Annual Report Coakley Landfill - North Hampton, New Hampshire



NOTES:

1. NHDES Ambient Groundwater Quality Standard for Benzene is 5 ug/L.

- 2. EPA Cleanup Level for for Benzene is 5 ug/L.
- 3. Non-Detects are plotted at zero.
- 4. In instances where primary and duplicate samples were collected, the higher value is plotted.



# APPENDIX A JANUARY 2017 WATER SUPPLY WELL DATA TRANSMITTAL REPORT



March 1, 2017

Peter Britz Coakley Project Coordinator 1 Junkins Avenue Portsmouth, New Hampshire 03801 Disclaimer: This document is a DRAFT document prepared by Settling Defendants under a government consent decree. This document has not undergone formal review by EPA and NHDES. The opinions, findings, and conclusions expressed are those of the author and not the U.S. Environmental Protection Agency and the New Hampshire Department of Environmental Services.

# RE: Results of Groundwater Sampling for Selected Off-Site Water Supply Wells -Coakley Landfill - North Hampton, New Hampshire

Dear Peter:

CES, Inc. (CES), on behalf of the Coakley Landfill Group (CLG), collected groundwater samples from 19 off-site water supply wells from January 23 through 27, 2017 for analysis of 1,4-dioxane, arsenic, manganese, and six perfluorinated chemicals (PFC). Four monitoring wells that are part of the regular annual sampling program were also analyzed for volatile organic compounds (VOCs) in accordance with the Site's Groundwater Management Permit (GMP). The CLG conducted the sampling of the off-site water supply wells in response to a request from the Environmental Protection Agency (EPA) and New Hampshire Department of Environmental Services (NHDES).

Site plans showing the locations off-site drinking water supply wells are included as **Figures 1** and **2**.

# SAMPLING PROCEDURES AND RESULTS

## Off-Site Water Supply Wells

CES collected samples from the following off-site water supply wells prior to any treatment systems (e.g., water softener, iron removal - if present):

- 5, 9, and 15 Berry Farm Lane.
- 339, 340, 346, 368 (R-3), 415, and 463 Breakfast Hill Road.
- 25 Falls Way.
- 67 Ridgecrest Drive.
- 4 and 10 Red Oak Drive.
- 4, 9, 10, 16, 19, and 21 Stone Meadow Way.

Groundwater samples from these wells were analyzed for the following parameters:

- Arsenic and manganese via EPA Method 2008.
- 1,4-dioxane using EPA Method 8260B SIM.

Mr. Peter Britz | 02.27.2017 | 10424.010 | Page 1





Perfluorinated Compounds (PFCs) including perfluorobutanesulfonic acid (PFBS), • perfluoroheptanoic acid (PFHpA), perfluorohexanesulfonic acid (PFHxS), (PFOA), (PFNA), perfluorooctanoic acid perfluorononanoic acid and perfluorooctanesulfonic acid (PFOS) via Modified EPA Method 537.

Four residences (339, 346, 368 (R-3), and 415 Breakfast Hill Road) were also analyzed for Volatile Organic Compounds via New Hampshire Department of Environmental Services (NHDES) Full List (EPA Method 8260B).

Groundwater samples were collected in accordance with the PFC Field Sampling Protocol contained in **Attachment 1** and sampling protocols contained in the 2015 Coakley Landfill Sampling and Analysis Plan (SAP) approved by EPA and NHDES. Groundwater samples were immediately placed on ice in a cooler and submitted under chain of custody to Eastern Analytical Inc. (EAI) in Concord, New Hampshire for the analysis of metals, VOCs, and 1,4-dioxane. EAI subcontracted Vista Analytical Laboratory in El Dorado Hills, California for analysis of PFCs using Modified EPA Method 537.

Quality Assurance protocols included analyses of equipment blank samples (completed on the water supply well sampling apparatus) as well as a field blank sample containing lab provided deionized water for analyses listed above.

Laboratory results for the off-site water supply groundwater samples are enclosed as **Attachment 2**. Laboratory results include a Quality Assurance/Quality Control (QA/QC) package prepared in accordance with the SAP. A Tier 1 Plus data validation was completed by Data Check, Inc. of New Durham, New Hampshire. No systemic concerns were identified during the Tier 1 Plus data review. None of the data were qualified as rejected and data completeness was 100%. A copy of the data validation report can be found in **Attachment 3**.

**Table 1** presents a summary of analytical results from samples collected from 19 off-site water supply wells. *[Note that Table 1 also includes a summary of results from sampling performed by NHDES personnel in July 2016].* As shown on the Table, one parameter (manganese) in three wells (339 Breakfast Hill Road, 4 Red Oak Drive, and 5 Berry Farm Lane) was reported slightly above the EPA Cleanup Level (CL) of 0.03 parts per million (ug/L) in the January 2017 results. However, all results were below the NHDES Ambient Groundwater Quality Standard (AGQS) for manganese of 0.84 ug/L. Arsenic was detected at concentrations below the CL and AGQS in all wells sampled.

1,4-dioxane was reported as Not Detected (ND) in 17 of the 19 off-site water supply wells sampled. 1,4-dioxane was detected at a concentration of 0.35 ug/L in 339 Breakfast Hill Road and 0.34 ug/L in R-3, well below the CL and AGQS of 3 ug/L. These two locations have historically detected low concentrations of 1,4-dioxane. Volatile organic compounds were not detected above the laboratory detection limit in any of the four wells sampled.

Laboratory results for PFOA and PFOS were reported as not detected (ND) above the laboratory Reporting Limit (RL) in 18 of the 19 wells sampled. The sample from 339 Breakfast Hill Road detected PFOA at a concentration 17.8 parts per trillion (ng/L), as well as PFHpA at a concentration of 8.06 ng/L which is slightly above the RL of 8.0 ng/L. The PFOA concentration is well below EPA's Lifetime Health Advisory and NHDES AGQS of 70 ng/l. PFHpA does not have a Health Advisory value or AGQS.





# **SUMMARY**

Based on the results of the off-site water supply well sampling, the following findings were made:

- Data validation indicates data are reliable and none of the data were qualified as rejected.
- Arsenic was not detected at concentrations above the CL or AGQS in any of the 19 samples.
- One parameter (manganese) was detected at concentrations slightly above the EPA CL at 339 Breakfast Hill Road, 4 Red Oak Drive, and 5 Berry Farm Lane. All results were below the NHDES AGQS for manganese.
- VOCs were not detected in the four water supply wells that are part of the routine annual sampling program contained in the GMP.
- 1,4-dioxane was not detected in 17 of the 19 samples. 1,4-dioxane was detected at a concentration of 0.35 ug/L in 339 Breakfast Hill Road and 0.34 ug/L in R-3, well below the CL and AGQS of 3 ug/L. These two locations have historically detected low concentrations of 1,4-dioxane.
- PFOA, PFOS, and the combined concentrations of PFOA and PFOS were reported as ND above the laboratory Reporting Limit in 18 of the 19 wells sampled. The sample from 339 Breakfast Hill Road detected PFOA at a concentration 17.8 parts per trillion (ng/L) which is a slight decline from the July 2016 result (25 ng/L).

With exception of wells R-3 and 339 Breakfast Hill Road that are part of the annual GMP sampling program, none of the wells sampled show evidence of impacts attributable to the Coakley landfill.

The next sampling round for these 19 wells is scheduled for the Fall of 2017.

If you have any questions concerning this project, please contact the undersigned at (207) 795-6009.

Sincerely, CES, Inc.

Suzanne Yerina, P.G. Project Geologist

SLY/MAD/jna

Enclosures

Michael A. Deying, F

Senior Project Geologist



SAMPLE IDENTIFICATION	EPA	NHDES	EPA	339 BHR	339 BHR	346 BHR	346 BHR	415 BHR	415 BHR	R-3	R-3 Dup	R-3	R-3 Dup	67 RCD	67 RCD
DATE SAMPLED	CL	AGQS	MCL	26-May-16	27-Jan-17	26-May-16	27-Jan-17	25-May-16	27-Jan-17	1-Jun-16	1-Jun-16	24-Jan-17	24-Jan-17	26-May-16	26-Jan-17
VOLATILE ORGANIC COMPOUNDS				-											
Methyl tert-butyl ether (ug/L)	-	13	-	< 0.05	<0.05	< 0.05	<0.005	<0.05	<0.005	< 0.05	<0.05	<0.005	<0.005	NA	NA
Toluene (ug/L)	-	1000	1000	< 0.05	<0.005	< 0.05	<0.005	<0.05	<0.005	< 0.05	<0.05	< 0.005	< 0.005	NA	NA
1,4-dioxane (ug/L)	3	3	-	0.51	0.35	<0.25	<0.25	<0.25	<0.25	0.3	0.34	0.33	0.34	<0.25	<0.25
METALS															
Arsenic, total (mg/L)	0.01	0.01	0.01	< 0.001	<0.001	< 0.001	<0.001	< 0.001	<0.001	< 0.001	<0.001	< 0.001	< 0.001	< 0.001	<0.001
Manganese, total (mg/L)	0.3	0.84	-	0.31J	0.42	0.28J	0.29	0.046J	0.055	0.19J	0.19J	0.19	0.19	0.17J	0.21
FIELD PARAMETERS															
Temperature (degrees Celcius)	-	-	-	12	11	11	11	11	10	11	NA	10	NA	11	8
pH (standard units)	-	-	-	7.2	7.1	6.9	6.8	8.6	8.4	7.9	NA	7.9	NA	7.7	7.5
Conductivity (uS/cm)	-	-	-	424	368	893	791	401	395	402	NA	348	NA	286	256
Dissolved Oxygen (mg/L)	-	-	-	2.2	0.8	1.4	1.1	0.6	<0.5	< 0.5	NA	<0.5	NA	< 0.5	<0.5
Turbidity (NTU)	-	-	-	7	23	8	14	< 5	<5	< 5	NA	<5	NA	< 5	<5
Oxidation/Reduction Potential (mV)	-	-	-	-94	-78	-2	3	-237	-252	-180	NA	-173	NA	-140	-136
PERFLUORINATED CHEMICALS BY N	<b>10DIFI</b>	ED 537 -	(ng/L)												
Date Sampled	EPA	NHDES		339 BHR	339 BHR	346 BHR	346 BHR	415 BHR	415 BHR	R-3	R-3 Dup	R-3	R-3 Dup	67 RCD	67 RCD
	HA	AGQS		11-Jul-16	27-Jan-17	11-Jul-16	27-Jan-17	11-Jul-16	27-Jan-17	11-Jul-16	NA	24-Jan-17	24-Jan-17	NA	26-Jan-17
Perfluorobutanesulfonic acid (PFBS)				<16	<8	<16	<8	<16	<8	<16	NA	<8	<8	NA	<8
Perfluoroheptanoic acid (PFHpA)				<16	8.06	<16	<8	<16	<8	<16	NA	<8	<8	NA	<8
Perfluorohexanesulfonic acid (PFHxS)				<8	<8	<8	<8	<8	<8	<8	NA	<8	<8	NA	<8
Perfluorooctanoic acid (PFOA)	70	70		25	17.8	<8	<8	<8	<8	<8	NA	<8	<8	NA	<8
Perfluorononanoic acid (PFNA)				<16	<8	<8	<8	<8	<8	<8	NA	<8	<8	NA	<8
Perfluorooctanesulfonic (PFOS)	70	70		<8	<8	<16	<8	<16	<8	<16	NA	<8	<8	NA	<8
Combination of PFOA and PFOS		70		25	17.8	ND	ND	ND	ND	ND	NA	ND	ND	NA	ND

#### **TABLE NOTES:**

#### **TABLE ABBREVIATIONS:**

- NA = Not Analyzed
- NM = Not Measured

NR = Not Recorded - field parameter measurement did not meet QA/QC criteria and were rejected

uS/cm = microsiemens per centimeter

ug/L = micrograms per liter (parts per billion)

mg/L = milligrams per liter (parts per million)

NTU - Nephelometric Turbidity Units

mV = millivolts

< = parameter concentration below detection limit indicated

R-3-DUP = duplicate sample collected at R-3

NHDES AGQS = NHDES Ambient Groundwater Quality Standard	BFL = Berry							
EPA MCL = EPA Primary Drinking Water Standard								
EPA CL = EPA Groundwater Quality Standard FW								
BHR = Breakfast Hill Road								
RCD = Ridgecreast Drive								
SMW = Stone Meadow Way								
<b>Bold</b> values denote concentration exceeding the EPA Interium Cleanup Level (ICL).								

Shaded values denote concentration exceeding the EFV Internal cleanup Level (ICE). Shaded values denote concentration exceeding the NHDES Ambient Groundwater Quality Standard Post = Post treatment sample collected for arsenic and manganese.

J = The reported analyte is an estimated concentration

y Farm Lane I Oak Drive Way

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	4 SMW	4 SMW Post	4 SMW	9 SMW	9 SMW Post	9 SMW	10 SMW	10 SMW Post	10 SMW	16 SMW	16 SMW Post	16 SMW
DATE SAMPLED	CL	AGQS	MCL	26-May-16	26-May-16	25-Jan-17	26-May-16	26-May-16	25-Jan-17	25-May-16	25-May-16	24-Jan-17	27-May-16	27-May-16	26-Jan-17
VOLATILE ORGANIC COMPOUNDS												•		•	
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25
METALS															
Arsenic, total (mg/L)	0.01	0.01	0.01	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	< 0.001	0.011	< 0.001	< 0.001
Manganese, total (mg/L)	0.3	0.84	-	0.14J	<0.005J	0.034	0.14J	<0.005J	0.14	0.14J	<0.005J	0.088	2.1J	0.016J	0.028
FIELD PARAMETERS															
Temperature (degrees Celcius)	-	-	-	12	NA	12	11	NA	9	11	NA	11	10	NA	10
pH (standard units)	-	-	-	6.8	NA	6.6	7.9	NA	8.2	6.8	NA	6.8	7.5	NA	7.3
Conductivity (uS/cm)	-	-	-	663	NA	522	435	NA	346	411	NA	323	549	NA	428
Dissolved Oxygen (mg/L)	-	-	-	1.0	NA	0.9	4.5	NA	<0.5	3.3	NA	3.6	1	NA	0.8
Turbidity (NTU)	-	-	-	< 5	NA	<5	5	NA	<5	< 5	NA	<5	< 5	NA	9.00
Oxidation/Reduction Potential (mV)	-	-	-	93	NA	153	-194	NA	-205	53	NA	74	75	NA	159
PERFLUORINATED CHEMICALS BY N	<b>10DIFI</b>	ED 537 -	(ng/L)			=				-					
Date Sampled	EPA	NHDES		4 SMW	4 SMW Post	4 SMW	9 SMW	9 SMW Post	9 SMW	10 SMW	10 SMW Post	10 SMW	16 SMW	16 SMW Post	16 SMW
	HA	AGQS		11-Jul-16	NA	25-Jan-17	11-Jul-16	NA	25-Jan-17	11-Jul-16	NA	24-Jan-17	NA	NA	26-Jan-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<16	NA	<8	<16	NA	<8	NA	NA	<8
Perfluoroheptanoic acid (PFHpA)				22B	NA	<8	<16	NA	<8	77B	NA	<8	NA	NA	<8
Perfluorohexanesulfonic acid (PFHxS)				<8	NA	<8	<8	NA	<8	<8	NA	<8	NA	NA	<8
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	<8	NA	<8	<8	NA	<8	NA	NA	<8
Perfluorononanoic acid (PFNA)				<8	NA	<8	<8	NA	<8	<8	NA	<8	NA	NA	<8
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	< 8	<16	NA	<8	<16	NA	<8	NA	NA	<8
Combination of PFOA and PFOS		70		ND	NA	ND	ND	NA	ND	ND	NA	ND	NA	NA	ND

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	19 SMW	19 SMW Post	19 SMW	21 SMW	21 SMW Post	21 SMW	4 ROD	4 ROD Post	4 ROD	10 ROD	10 ROD Post	10 ROD
DATE SAMPLED	CL	AGQS	MCL	27-May-16	27-May-16	23-Jan-17	25-May-16	25-May-16	23-Jan-17	26-May-16	26-May-16	23-Jan-17	25-May-16	25-May-16	26-Jan-17
VOLATILE ORGANIC COMPOUNDS															
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25
METALS															
Arsenic, total (mg/L)	0.01	0.01	0.01	0.002	< 0.001	<0.001	< 0.001	< 0.001	<0.001	< 0.001	<0.001	< 0.001	<0.001	< 0.001	< 0.001
Manganese, total (mg/L)	0.3	0.84	-	0.15J	0.009J	0.063	0.06J	<0.005J	0.064	0.34J	<0.005J	0.38	0.31J	<0.005J	0.008
FIELD PARAMETERS															
Temperature (degrees Celcius)	-	-	-	10	NA	10	11	NA	11	11	NA	10	10	NA	9
pH (standard units)	-	-	-	8.0	NA	8.3	8.5	NA	8.4	7.0	NA	7.1	7.7	NA	7.5
Conductivity (uS/cm)	-	-	-	852	NA	705	681	NA	671	609	NA	589	494	NA	464
Dissolved Oxygen (mg/L)	-	-	-	0.5	NA	<0.5	0.6	NA	0.6	1.1	NA	<0.5	1.1	NA	0.6
Turbidity (NTU)	-	-	-	< 5	NA	<5	< 5	NA	<5	< 5	NA	<5	< 5	NA	<5
Oxidation/Reduction Potential (mV)	-	-	-	-167	NA	-188	-188	NA	-167	-37	NA	-50	8	NA	155
PERFLUORINATED CHEMICALS BY N	10DIFI	ED 537 -	(ng/L)	-											
Date Sampled	EPA	NHDES		19 SMW	19 SMW Post	19 SMW	21 SMW	21 SMW Post	21 SMW	4 ROD	4 ROD Post	4 ROD	10 ROD	10 ROD Post	10 ROD
	HA	AGQS		11-Jul-16	NA	23-Jan-17	13-Jul-16	NA	23-Jan-17	11-Jul-16	NA	23-Jan-17	11-Jul-16	NA	26-Jan-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<16	NA	<8	<16	NA	<8	<16	NA	<8
Perfluoroheptanoic acid (PFHpA)				91B	NA	<8	<16	NA	<8	<16	NA	<8	<16	NA	<8
Perfluorohexanesulfonic acid (PFHxS)				<8	NA	<8	<8	NA	<8	<8	NA	<8	<8	NA	<8
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	<8	NA	<8	<8	NA	<8	<8	NA	<8
Perfluorononanoic acid (PFNA)				<8	NA	<8	<8	NA	<8	<8	NA	<8	<8	NA	<8
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	<8	<16	NA	<8	<16	NA	<8	<16	NA	<8
Combination of PFOA and PFOS		70		ND	NA	ND	ND	NA	ND	ND	NA	ND	ND	NA	ND

SAMPLE IDENTIFICATION	EPA	NHDES	EPA	25 FW	25 FW Post	25 FW	25 FW Dup	5 BFL	5 BFL	9 BFL	15 BFL	15 BFL	340 BHR	340 BHR	463 BHR	463 BHR
DATE SAMPLED	CL	AGQS	MCL	27-May-16	27-May-16	24-Jan-17	24-Jan-17	NA	26-Jan-17	25-Jan-17	NA	25-Jan-17	11-Jul-16	27-Jan-17	NA	24-Jan-17
VOLATILE ORGANIC COMPOUNDS																
Methyl tert-butyl ether (ug/L)	-	13	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene (ug/L)	-	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dioxane (ug/L)	3	3	-	<0.25	NA	<0.25	<0.25	NA	<0.25	<0.25	NA	<0.25	NA	<0.25	NA	<0.25
METALS																
Arsenic, total (mg/L)	0.01	0.01	0.01	< 0.001	< 0.001	< 0.001	< 0.001	NA	< 0.001	< 0.001	NA	< 0.001	NA	< 0.001	NA	0.006
Manganese, total (mg/L)	0.3	0.84	-	0.034J	0.029J	0.017	0.018	NA	0.82	0.007	NA	0.21	NA	0.01	NA	0.16
FIELD PARAMETERS																
Temperature (degrees Celcius)	-	-	-	10	NA	9	NA	NA	9	10	NA	10	NA	11	NA	10
pH (standard units)	-	-	-	7.8	NA	8.1	NA	NA	7	6.3	NA	7.4	NA	6.6	NA	7.7
Conductivity (uS/cm)	-	-	-	363	NA	292	NA	NA	550	212	NA	418	NA	140	NA	646
Dissolved Oxygen (mg/L)	-	-	-	< 0.5	NA	<0.5	NA	NA	<0.5	4	NA	<0.5	NA	1.2	NA	3
Turbidity (NTU)	-	-	-	< 5	NA	<5	NA	NA	<5	<5	NA	<5	NA	<5	NA	<5
Oxidation/Reduction Potential (mV)	-	-	-	-146	NA	-115	NA	NA	-4	189	NA	-1	NA	151	NA	-70
PERFLUORINATED CHEMICALS BY	MODIFI	ËD 537 -	(ng/L)	-						-						
Date Sampled	EPA	NHDES		25 FW	25 FW Post	25 FW	25 FW Dup	5 BFL	5 BFL	9 BFL	15 BFL	15 BFL	340 BHR	340 BHR	463 BHR	463 BHR
	HA	AGQS		11-Jul-16	NA	24-Jan-17	24-Jan-17	11-Jul-16	26-Jan-17	25-Jan-17	13-Jul-16	25-Jan-17	11-Jul-16	27-Jan-17	11-Jul-16	24-Jan-17
Perfluorobutanesulfonic acid (PFBS)				<16	NA	<8	<8	<16	<8	<8	<16	<8	<16	<8	<16	<8
Perfluoroheptanoic acid (PFHpA)				<16	NA	<8	<8	<16	<8	<8	<16	<8	<16	<8	<16	<8
Perfluorohexanesulfonic acid (PFHxS)				<8	NA	<8	<8	<8	<8	<8	<8	<8	<8	<8	11	<8
Perfluorooctanoic acid (PFOA)	70	70		<8	NA	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8	<8
Perfluorononanoic acid (PFNA)				<8	NA	<8	<8	<16	<8	<8	<16	<8	<16	<8	<16	<8
Perfluorooctanesulfonic (PFOS)	70	70		<16	NA	<8	<8	<8	<8	<8	<8	<8	<8	<8	8.1	<8
Combination of PFOA and PFOS		70		ND	NA	ND	8.1	ND								

It should be noted that 3 and 5 Berry Farm Lane share one well, 9 and 11 Berry Farm Lane share one well, and 15 and 17 Berry Fram Lane share one well.



# FIGURES 1 AND 2

SITE PLAN – RESIDENTIAL WELL SAMPLING







# **ATTACHMENT 1**

FIELD SAMPLING PROTOCOL



## FIELD SAMPLING PROTOCOLS TO AVOID CROSS-CONTAMINATION AT PERFLOURINATED COMPOUNDS (PFCS) SITES SOP - PFCs

This Standard Operating Procedure (SOP) *Groundwater Sampling – Perfluorinated Compound Field Sampling Protocol*, provides a general framework for collecting groundwater samples at the Coakley Landfill Superfund Site in North Hampton and Greenland, New Hampshire that will minimize the potential for cross-contamination during sampling. CES, Inc.'s (CES) anticipated sample collection methods for groundwater are generally consist with those in the Sampling and Analysis Plan, Coakley Landfill Superfund Site (Revision 1, September 2015).

#### PURPOSE

The purpose of this SOP is to provide groundwater sampling protocols when sampling for perfluorinated compounds (PFCs). This SOP also describes a tiered approach that should be used to assist with field decisions. Sampling specific SOPs (i.e. Low Flow Sampling Using a Peristaltic Pump, SPO #4, and Sampling with a Bucket Type Bailer, SOP #3) should also be reviewed prior to conducting field sampling activities at the Coakley Landfill.

#### SCOPE

This procedure applies to all CES personnel and subcontractors who collect or otherwise handle samples of groundwater for analysis of PFCs. This SOP should be reviewed by all on-site personnel prior to implementation of field activities.

### GENERAL

Given the low detection limits associated with PFC analysis and the many potential sources of trace levels of PFCs, field personnel are advised to act on the side of caution by strictly following these protocols, frequently replacing nitrile gloves, and rinsing field equipment to help mitigate the potential for false detections of PFCs. Specific items related to field sampling are discussed below.

## **QUALITY ASSURANCE/QUALITY CONTROL**

Quality Assurance/Quality Control (QA/QC) samples (i.e trip blanks, field blanks, equipment blanks, duplicate samples, and matrix spike/matrix duplicate samples) will be collected as outlined in Table 4-3 of the SAP. Equipment blanks will be collected on the water level meter and disposable bailer using laboratory certified "PFC free" water.

#### **PROCEDURES/CONSIDERATIONS**

The following are procedures/considerations to be made during field activities at the Coakley Landfill during PFC sampling. A summary of the prohibited and acceptable items for PFC sites is included below.



Item Category	Allowable Items	Prohibited Items
Tubing	High-density polyethylene (HDPE) or	Teflon® and other fluoropolymer
	silicon materials	containing materials
Decontamination	Alconox® and/or Liquinox®,potable	Decon 90
	water followed by deionized rinse	
Sample Storage	HDPE or polypropylene bottles,	LDPE or glass bottles, PTFE-or Teflon®-
and Preservation	regular ice	lined caps, chemical (blue) ice packs
Field	Plain paper, metal clipboard,	Waterproof/treated paper or field
Documentation	Sharpies®, pens	books, plastic clipboards, non-
		Sharpies® markers, Post-It® and other
		adhesive paper products
Field Clothing	Well-laundered (more than six times	Clothing (including boots) made of Gore-
	washed after purchase) clothing	TexTM or other synthetic water resistant
	made of synthetic or cotton material,	and/or stain resistant material, Tyvek®
	no fabric softener	material
Personal Care	Sunscreens – Alba Organics Natural	Cosmetics, moisturizers, hand cream
Products (for the	Sunscreen, Yes To Cucumbers,	and other related products
day of sampling)	Aubrey Organics, Jason Natural Sun	
	Block, Kiss My Face, Baby sunscreens	
	that are "free" or "natural" <b>Insect</b>	
	<b>Repellents</b> – Jason Natural Quit	
	Bugging Me, Repel Lemon Eucalyptus	
	Insect repellant, Herbal Armor,	
	California Baby Natural Bug Spray,	
	BabyGanics Sunscreen and insect	
	<b>repellant</b> – Avon Skin So Soft Bug	
	Guard – SPF 30 Lotion	
Food and	Bottled water and hydration drinks	Pre-packaged food, fast food wrappers
Beverage		

Notes:

If an item will come in direct contact with field samples, then it may be necessary to have the products analyzed for PFCs to confirm that a specific batch or lot number does not contain PFCs. If an item is not expected to come into direct contact with field samples, then the product Safety Data Sheet and/or manufacturing specifications may be reviewed to determine if the item is PFC-containing by checking for any chemicals with "fluoro" in the name or the acronyms PTFE, TPE, FEP, ETFE, or PFA.

## **Field Equipment**

Samplers will use peristaltic pumps for groundwater sample collection at depths shallower than 25 feet. Tubing will consist of dedicated LDPE and silicon tubing previously installed in Site wells. Groundwater sample collection at depths greater than 25 feet will be collected utilizing bailers and twine made of acceptable materials.

## **Equipment Decontamination**

Field sampling equipment, including water level indicators, that are utilized at each sample location will require cleaning between uses. The SAP dictates that we use Alconox®, which is an allowable item for PFC sampling. Water used for the final rinse during decontamination of sampling equipment will be laboratory certified "PFC-free" water.



# Visitors

Visitors to the site are asked to remain outside of the exclusion zone during sampling activities.

# ANALYTICAL

Groundwater samples will be analyzed for PFCs using EPA Method 537 with a 20 to 30-day turnaround time. A detection limit of at least 20 parts per trillion will be used. Results will be compared the current health standards. If results meet or exceed these provisional standards or any promulgated standard at the time, sampling will be expanded to other wells within the Groundwater Management Zone and residential homes.

Samples will be tested for the following PFCs:

- Perfluorbutanesulfonic acid (PFBS)
- Perfluoroheptanoic acid (PFHpA)
- Perfluorohexanesulfonic acid (PFHxS)
- Perfluorooctanoic acid (PFOA)
- Perfluorononanoic acid (PFNA)
- Perfluorooctanesulfonic acid (PFOS)