



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

## WATER QUALITY MONITORING CERTIFICATION

### PART I GENERAL INFORMATION

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### CERTIFICATION

I, [REDACTED], do hereby certify that the information contained in this document is true and accurate to the best of my knowledge and belief. I understand that any false statement or omission may result in legal consequences.

05/24/2021

ddr \_\_\_\_\_

### PART II QUALITY ASSURANCE REQUIREMENTS

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Hillsborough  
County Florida

PUBLIC UTILITIES  
PO Box 1110  
Tampa, FL 33601-1110

Southeast County Landfill  
15960 County Road 672  
Lithia, Florida

**Solid Waste Operations Permit #35435-026-SO-MM  
WACS Facility #SWD/29/41193**

## Water Quality Report - February 2021

Hillsborough County  
Public Utilities Department  
Environmental Services Division  
332 North Falkenburg Road  
Tampa, Florida 33619

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Hydrologist  
Environmental Services Division  
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Public Utilities Department  
05/24/2021

## Background

The Hillsborough County Public Utilities Department (County) has prepared the semi-annual groundwater monitoring report for the February 2021 monitoring event conducted at the Southeast County Landfill (SELF). As required in Appendix 3 (Water Quality Monitoring Plan of the Solid Waste Operation Permit No. 35435-026-SO-MM), representative samples were collected on February 8-12, 2021 from sixteen (16) surficial aquifer monitoring wells, four (4) upper Floridan aquifer monitoring wells, and four (4) surface water sampling locations. In addition, groundwater samples were collected from three (3) off-site private supply wells. Parameter analysis was completed by our contracted laboratory, Advanced Environmental Laboratories, Inc. (AEL). A site map of each monitoring location is depicted in **Figure 1** and the groundwater analytical data for the surficial and upper Floridan aquifer monitoring wells are included in **Table 1** and **Table 2**.

Furthermore, a contamination evaluation plan, in accordance with Rule 62-701.510 (6)(a)4 and Condition 4 of the November 20, 2020 Department of Environmental Protection (Department) notification letter to initiate evaluation monitoring was submitted on May 13, 2021. A brief summary for the February 2021 water quality monitoring event is detailed below.

## Surficial Aquifer Monitoring Wells

### pH

Each surficial aquifer monitoring well continues to exhibit pH values below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units from 4.44 to 6.11 pH units. Background water quality recorded prior to landfill construction and operation established pH below the acceptable range within the surficial aquifer and remains consistent with the historical data set.

### Total Dissolved Solids (TDS)

All surficial monitoring wells as part of the water quality permit were below the SDWS of 500 mg/l with the exception of TH-71A. The surficial aquifer detection monitoring well is located down gradient west-northwest of Section 9 and exhibited TDS of 1,100 mg/l, respectively. Review of the historical groundwater data can directly trace the upward trend of TDS to the storm water discharge event in 2014 from the active working face along the northwest corner of Section 9. Total ammonia continues to be very low at TH-71A at 2.1 mg/l, which is consistent with historical background water quality. Total ammonia is an excellent indicator parameter of leachate and the current analysis does not exhibit any interaction with groundwater.

An overall upward trend in TDS continues for TH-71A over the period of record; a historical water quality data table and data chart are included in **Appendix A**. The most recent improvements to the storm water conveyance system for Section 9 were completed in August

2019 to allow proper drainage away from the landfill footprint and monitoring location. Based on the location of TH-71A and the low ammonia the elevated TDS is associated with stormwater impacts. The County shall closely monitor the water quality along the west side of Section 9 on the effectiveness of the storm water improvements.

### **Antimony**

Antimony was observed in surficial aquifer background monitoring well TH-66A above the Primary Drinking Water Standard (PDWS) of 0.006 mg/l at concentrations of 0.016 mg/l. The concentrations of antimony observed at this location has periodically been above the standard. The overall concentration of antimony is relatively consistent over the period of record, and based on the location, naturally occurring in the formation.

### **Arsenic**

Arsenic was detected above the PDWS of 0.01 mg/l in surficial aquifer detection monitoring well TH-58 at 0.016 mg/l and detection monitoring well TH-65 at 0.013 mg/l. Arsenic in the groundwater continues to be directly attributable to the liberation from sediments in an anaerobic environment ongoing under the lined landfill. There are no other exceedances of arsenic at the landfill and the water quality continues to be stable and non-migrating.

### **Chloride**

All surficial monitoring wells were below the SDWS of 250 mg/l with the exception of TH-71A. As depicted in the water quality table and data chart included in **Appendix A**, chloride was detected above the SDWS in TH-71A at 380 mg/l and has consistently trended upward over the period of record. The County implemented drainage improvements to effectively remove storm water away from the landfill and hopefully reverse the water quality trends moving forward.

### **Iron**

Iron was detected above the SDWS of 0.3 mg/l in most of the surficial aquifer detection and background water quality monitoring wells across the site. Concentrations exceeding the standard ranged from 0.73 to 48 mg/l with the highest concentrations in surficial aquifer detection wells TH-70A, and TH-71A along the west side of Section 9, where iron producing microbial processes are ongoing in the soil and groundwater. Iron has been documented to be present across the site prior to landfill construction and operation; therefore, the County maintains the position elevated iron within the surficial aquifer is naturally occurring. The certified laboratory report from AEL for the surficial aquifer monitoring wells is included in **Appendix B**.

### **Vanadium**

Vanadium was observed in surficial aquifer background monitoring wells TH-61A and TH-66A above the Ground Cleanup Target Level (GCTL) of 0.049 mg/l at concentrations of 0.16 mg/l and 0.11 mg/l. Vanadium observed at these locations have exhibited concentrations above the standard and are relatively consistent over the period of record and based on the up gradient location, naturally occurring in the formation.

### **Upper Floridan Aquifer (UFA) Monitoring Wells**

A brief description of the groundwater data for the four (4) UFA monitoring wells is provided in the paragraphs below. Water quality results of the UFA are depicted in **Table 2** and the certified laboratory report provided by AEL is included in **Appendix B**.

#### **Total Dissolved Solids (TDS)**

All Upper Floridan aquifer (UFA) monitoring wells were below the SDWS for TDS with the exception of TH-72. UFA monitoring well TH-72 exhibited elevated TDS at 840 mg/l and is consistent with the data presented over the period of record. TDS in TH-72 is attributable to the former sinkhole in Phase VI of the landfill where waste and injected grout materials utilized for subsurface stabilization and remediation encountered the UFA. Downgradient compliance point for the monitoring of Phase VI, identified as TH-78, continues to exhibit water quality within respective standards and clearly demonstrates there are no impacts to downgradient receptors.

#### **Iron**

Iron was observed above the SDWS of 0.3 mg/l in UFA monitoring well TH-72 at a concentration of 0.52 mg/l and are consistent since sinkhole stabilization activities were completed in 2015. The current semi-annual monitoring of TH-72 and the downgradient water quality in UFA monitoring well TH-78 continues to demonstrate iron above the SDWS is not laterally migrating off site.

### **Surface Water Sampling Locations**

A brief and detailed description of the surface water data is provided in the paragraphs below. The data is provided in **Table 3** of the report and the laboratory report from AEL is in **Appendix B**.

#### **pH**

Surface water sample locations exhibit pH values within the Secondary Drinking Water Standard (SDWS) acceptable range of 6.0 to 8.5 pH units except Stream 3A. Stream 3A exhibited a value of 5.54 pH units and is the upstream tributary to Long Flat Creek and representative of surface

water entering the Southeast County Landfill property. The pH results remain consistent with the historical data set.

### Dissolved Oxygen

Surface water sampling locations Mine Cut 1D, Stream-3A, SW-3B2B, and Stream 3C2 exhibited dissolved oxygen at 1.19 mg/l, 0.96 mg/l, 5.09 mg/l, and 6.59 mg/l. Surface water sampling location Stream-3C2 is the discharge monitoring point for the site in the tributary to Long Flat Creek. Compiled data exhibits improving water quality across the tributary and is consistent with the historical data set.

### Private Supply Well Sampling Locations

#### Iron

Three private supply wells south and east of the landfill were sampled on February 12, 2021. The private supply well owned by Mr. Terry Holland, located at 121 Carter Road, exhibited iron above the SDWS of 0.3 mg/l, at a concentration of 3.8 mg/l. Concentrations of iron are consistently above the SDWS at the Holland well and the County maintains the position that iron is naturally occurring within production zones of the upper Floridan aquifer. The certified laboratory report from AEL for the surficial aquifer monitoring wells is included in **Appendix B**.

#### Groundwater Elevation and Flow

Groundwater and surface water elevations were recorded on February 8, 2021 and the data is presented in **Table 5**. Elevation data is collected and utilized to prepare a representative surficial aquifer groundwater contour diagram. A diagram was prepared with a 2 ft. contour interval and is utilized to evaluate the direction of flow across the site. **Figure 2** depicts general flow direction across the landfill remains to the west/northwest with an easterly component controlled by nearby Mine Cut #1 and Mine Cut #2. Elevation data continues to be consistent with the historical evaluations of flow within the surficial aquifer at the Southeast County Landfill.

#### Conclusions

Water quality observations at the Southeast County Landfill remain consistent with the historical data set. Surficial aquifer groundwater monitoring wells continue to exhibit pH, TDS, iron, chloride, antimony, vanadium, and arsenic outside their applicable primary and secondary standards. Background water quality recorded prior to landfill construction and operation established pH and iron below the acceptable range within the surficial aquifer.

Arsenic was detected in surficial aquifer monitoring well TH-58 and in TH-65 exceeding the PDWS of 0.01 mg/l. Over the period of record, each monitoring location has consistently exhibited the liberation of arsenic due to the anaerobic conditions present under the landfill

liner. Additionally, the vanadium detected in TH-66A and the antimony detected in TH-61A and TH-66A have also been detected over the period of record. Based on groundwater flow direction of the surficial aquifer, no downgradient receptors or migration off site of metals are observed.

Monitoring well TH-71A exhibited TDS and chloride above the SDWS and continues to be attributable to storm water runoff from the surface of Section 9. As the chloride and sodium continued to trend upward over the period of review, TDS continues to be stable and indicate no discernable trends. Corrective actions to the storm water conveyance system were implemented in 2014 and again in 2019 to alleviate the influence and reduce localized TDS in the groundwater.

Upper Floridan Aquifer (UFA) monitoring well TH-72 continues to exhibit water quality impacts that are attributable to the former sinkhole within Phase VI of the landfill. TDS and iron continue to exceed their respective standards; however, the water quality remains stable and consistent. The downgradient compliance point for the monitoring of Phase VI, identified as TH-78, continues to exhibit water quality within their respective standards and clearly demonstrates there are no impacts to downgradient receptors.

Surface water bodies and upgradient private supply wells continue to be monitored semi-annually and exhibit no direct correlation to the groundwater conditions at the landfill.

FIGURE 1

SOUTHEAST COUNTY LANDFILL  
SEMI- ANNUAL  
MONITORING WELLS LOCATION  
MAP

2020 AERIAL PHOTO



Legend

Well Designation

- Active Monitor Wells
- Inactive Monitor Wells
- ◆ Surface Water Sites
- Piezometer
- TH-35  
(Used For Water Levels)



NOTE: Every reasonable effort has been made to assure the accuracy of this map. Hillsborough County does not assume any liability arising from use of this map. THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SOURCE: This map has been prepared for the inventory of real property found within Hillsborough County and is compiled from recorded deeds, plats, and other public records; it has been based on BEST AVAILABLE data.

Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map.

BSOC  
332 N. Falkenburg Rd  
Tampa, FL 33619

0 0.06 0.12 Miles



**Table 2 - Southeast County Landfill  
Laboratory Analytical Data  
Groundwater Monitoring Wells**

**Notes: Reference Groundwater Guidance Concentrations, FDEP 2012**

## **MCL Standards Derived from the Primary Drinking Water Standard (Ch. 62-520, F.A.C.), the Secondary Drinking Water Standard (Ch. 62-302, F.A.C.), and the Groundwater Cleanup target Levels (Ch. 62-777, F.A.C.)**

**MCL=Maximum Contaminant Level**

NS=No Standard

**NS(1)=GCTL of 2.8 is no longer suitable toxicological reference for evaluating the significance of ammonia concentrations in groundwater.**

**mg/l = Milligrams Per Liter**

**ug/l = Micrograms Per Liter**

**umhos/cm = Micromhos Per Centimeter**

#### NTU-Nephelometer

NTU=Nephelometric Turbidity Units  
mV = millivolts

**I = reported value is between the laboratory m**

II = parameter was spec.

**U = parameter was analyzed but not detected**

J4 = Estimated

Final Review Committee Public Work Standards Committee Chair: Tom Hulse

**Table 3 - Southeast County Landfill  
Laboratory Analytical Data  
Surface Water Samples**

General Parameters	Mine Cut 1D	Stream-3A	SW-3B2B	Stream-3C2	MCL Standard
Sample Date	2/8/2021	2/8/2021	2/8/2021	2/8/2021	NS
conductivity (umhos/cm) (field)	315.0	190.3	252.9	390.7	1275
dissolved oxygen (mg/l) (field)	1.19	0.96	5.09	6.59	*
DO Saturation (%) (field)	12.60	10.10	54.70	69.00	*
ORP (mV) (field)	39.0	113.5	69.7	123.4	NS
temperature (°C) (field)	18.3	18.0	18.9	18.4	NS
turbidity (NTU) (field)	2.19	1.10	1.19	1.56	29 above background (6.0 - 8.5)
pH (SU) (field)	6.20	5.54	6.07	6.44	
total dissolved solids (mg/l)	270	120	220	350	NS
total suspended solids (mg/l)	6.4	1.0 U	2.2	3.6	NS
total nitrogen (mg/l)	1.30	0.47	0.24	0.52	NS
nitrate (as N) (mg/l)	0.092 U	0.092 U	0.094 I	0.160	NS
total phosphorous (mg/l)	2.800 J4	0.150 U	0.160 I	0.430	NS
biochem. oxygen demand (mg/l)	2.0 U	2.0 U	2.0 U	2.0 U	NS
chemical oxygen demand (mg/l)	61	20 U	22 I	31 I	NS
total organic carbon (mg/l as C)	19.00	8.80	12.00	12.00	NS
chlorophyll-A (mg/m3)	46.0	2.5 I	2.5 U	2.5 U	NS
total hardness (mg/l as CaCO)	88.0	68.0	76.0	100.0	NS
unionized ammonia (mg/l)	0.0000240 I	0.0000022 U	0.0000099 I	0.0000180 U	0.02
fecal coliform (Col/100ml)	40	40	380	260	800
Metals (mg/l)					MCL Standard
antimony	0.0010 U	0.0010 U	0.0010 U	0.0013 I	4.3
arsenic	0.00034 I	0.00025 U	0.00031 I	0.00040 I	0.05
barium	0.00170 I	0.02100	0.01500	0.00890	NS
Beryllium	0.0020 U	2.0000 U	0.0020 U	0.0020 U	0.00013
cadmium	0.00025 U	0.00025 U	0.00025 U	0.00025 U	e(0.7409[lnH]-4.719)
chromium	0.00050 U	0.00068 I	0.00086 I	0.00078 I	0.011
cobalt	0.00025 U	0.00025 U	0.00025 U	0.00025 U	NS
copper	0.0010 U	0.0016 I	0.0010 U	0.0010 U	e(0.8545[lnH]-1.702)
iron	0.2100	57.0000 I	0.4000	0.4600	1
lead	0.00050 U	0.00050 U	0.00050 U	0.00050 U	e(1.273[lnH]-4.705)
mercury	0.000028 U	0.000028 U	0.000028 U	0.000028 U	0.000012
nickel	0.0012 U	0.0012 U	0.0019 I	0.0012 U	e(0.846[lnH]-0.0584)
selenium	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.005
silver	0.00050 U	0.00050 U	0.00050 U	0.00050 U	0.00007
thallium	0.00025 U	0.00025 U	0.00025 U	0.00025 U	0.0063
vanadium	0.0010 U	0.0013 I	0.0018 I	0.0040	NS
zinc	0.050 U	50.000 U	0.050 U	0.050 U	e(0.8473[lnH]+0.884)
Organic Parameters (µg/l)					MCL Standard
1,1,1,2-Tetrachloroethane	0.47 U	0.47 U	0.47 U	0.47 U	NS
1,1,1-Trichloroethane	0.39 U	0.39 U	0.39 U	0.39 U	270
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.20 U	10.8
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	16
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	0.38 U	NS
1,1-Dichloroethylene	0.41 U	0.41 U	0.41 U	0.41 U	3.2
1,2,3-Trichloropropane	0.015 U	0.015 U	0.015 U	0.015 U	0.2
1,2-Dibromo-3-Chloropropane	0.023 U	0.023 U	0.023 U	0.023 U	NS
1,2-Dichlorobenzene	0.44 U	0.44 U	0.44 U	0.44 U	99
1,2-Dichloroethane	0.40 U	0.40 U	0.40 U	0.40 U	37
1,2-Dichloropropane	0.18 U	0.18 U	0.18 U	0.18 U	14
1,4-Dichlorobenzene	0.36 U	0.36 U	0.36 U	0.36 U	3
2-Butanone (MEK)	0.33 U	0.33 U	0.33 U	0.33 U	120000
2-Hexanone	0.42 U	0.42 U	0.42 U	0.42 U	NS
4-Methyl-2-pentanone (MIBK)	0.40 U	0.40 U	0.40 U	0.40 U	23000
Acetone	0.9 U	0.9 U	0.9 U	0.9 U	1700
Acrylonitrile	0.38 U	0.38 U	0.38 U	0.38 U	0.2
Benzene	0.28 U	0.28 U	0.28 U	0.28 U	71.28
Bromochloromethane	0.33 U	0.33 U	0.33 U	0.33 U	NS
Bromodichloromethane	0.39 U	0.39 U	0.39 U	0.39 U	22
Bromoform	0.36 U	0.36 U	0.36 U	0.36 U	360
Bromomethane	0.32 U	0.32 U	0.32 U	0.32 U	35
Carbon Disulfide	0.42 U	0.42 U	0.42 U	0.42 U	110
Carbon Tetrahalide	0.41 U	0.41 U	0.41 U	0.41 U	4.42
Chlorobenzene	0.38 U	0.38 U	0.38 U	0.38 U	17
Chloroethane	0.42 U	0.42 U	0.42 U	0.42 U	NS
Chloroform	0.37 U	0.37 U	0.37 U	0.37 U	470.8
Chloromethane	0.39 U	0.39 U	0.39 U	0.39 U	470.8
cis-1,2-Dichloroethylene	0.39 U	0.39 U	0.39 U	0.39 U	NS
cis-1,3-Dichloropropene	0.26 U	0.26 U	0.26 U	0.26 U	NS
Dibromochloromethane	0.36 U	0.36 U	0.36 U	0.36 U	34
Dibromomethane	0.41 U	0.41 U	0.41 U	0.41 U	NS
Ethylbenzene	0.56 U	0.56 U	0.56 U	0.56 U	610
Ethylene Dibromide (EDB)	0.019 U	0.019 U	0.019 U	0.019 U	13
Iodomethane (Methyl Iodide)	0.83 U	0.83 U	0.83 U	0.83 U	NS
Methylene Chloride	0.56 U	0.56 U	0.56 U	0.56 U	1580
Styrene	0.29 U	0.29 U	0.29 U	0.29 U	460
Tetrachloroethylene (PCE)	0.45 U	0.45 U	0.45 U	0.45 U	8.85
Toluene	0.66 U	0.66 U	0.66 U	0.66 U	480
trans-1,2-Dichloroethylene	0.39 U	0.39 U	0.39 U	0.39 U	11000
trans-1,3-Dichloropropene	0.26 U	0.26 U	0.26 U	0.26 U	NS
trans-1,4-Dichloro-2-butene	0.46 U	0.46 U	0.46 U	0.46 U	NS
Trichloroethene	0.32 U	0.32 U	0.32 U	0.32 U	80.7
Trichlorofluoromethane	0.26 U	0.26 U	0.26 U	0.26 U	NS
Vinyl Acetate	0.37 U	0.37 U	0.37 U	0.37 U	700
Vinyl Chloride	0.44 U	0.44 U	0.44 U	0.44 U	2.4
Xylene (Total)	1.30 U	1.30 U	1.30 U	1.30 U	370

**NOTES:**

Referenced, Surface Water Quality Standards Chapter 62-302 and Freshwater Surface Water Cleanup Criteria in Chapter 62-550, Table I, F.A.C.

"In H" means the natural logarithm of total hardness expressed as milligrams/L of CaCO<sub>3</sub>.

MCL=Maximum Contaminant Level

NS=No Standard

mg/l = Milligrams Per Liter

ug/l = Micrograms Per Liter

umhos/cm = Micromhos Per Centimeter

NTU=Nephelometric Turbidity Units

mV = millivolts

\* = Criteria set forth in accordance with Chapter 62-302.533

I= reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U = parameter was analyzed but not detected.

**Table 4 - Southeast County Landfill  
Laboratory Analytical Data  
Private Supply Wells**

General Parameters	Barnes	Keene, Jr.	Holland	MCL Standard
sample date	2/12/2021	2/12/2021	2/12/2021	NS
conductivity (umhos/cm) (field)	324.70	375.90	373.20	NS
dissolved oxygen (mg/l) (field)	0.62	0.18	0.31	NS
ORP (mV) (field)	126.00	133.10	-80.80	NS
temperature (°C) (field)	20.50	24.00	19.70	NS
turbidity (NTU) (field)	1.11	1.13	2.34	NS
pH (SU) (field)	7.03	7.29	6.66	(6.5 - 8.5)
total dissolved solids (mg/l)	230	230	250	500
chloride (mg/l)	12.0	24.0	28.0	250
ammonia nitrogen (mg/l as N)	0.015 U	0.200	0.070	NS(1)
nitrate (mg/l as N)	0.260	0.092 U	0.092 U	10
<b>Metals (mg/l)</b>				<b>MCL Standard</b>
antimony	0.0010 U	0.0010 U	0.0010 U	0.006
arsenic	0.00025 U	0.00035 I	0.00025 U	0.01
barium	0.01000	0.00390	0.00430	2
Beryllium	0.0020 U	0.0020 U	0.0020 U	0.004
cadmium	0.00025 U	0.00025 U	0.00025 U	0.005
chromium	0.00050 U	0.00050 U	0.00050 U	0.1
cobalt	0.00025 U	0.00025 U	0.00025 U	0.140
copper	0.2100	0.0010 U	0.1700	1
iron	0.0250 I	0.1300	3.8000	0.3
lead	0.00300 U	0.00050 U	0.00370 I	0.015
mercury	0.000028 U	0.000028 U	0.000028 U	0.002
nickel	0.0026 I	0.0012 U	0.0090	0.1
selenium	0.0012 U	0.0012 U	0.0012 U	0.05
silver	0.00050 U	0.00050 U	0.00050 U	0.1
sodium	11.00	6.80	5.50	160
thallium	0.00025 U	0.00025 U	0.00025 U	0.002
vanadium	0.0010 U	0.0010 U	0.0010 U	0.049
zinc	0.300	0.080 I	0.120	5
<b>Organic Parameters (µg/l)</b>				<b>MCL Standard</b>
1,1,1,2-Tetrachloroethane	0.47 U	0.47 U	0.47 U	1.3
1,1,1-Trichloroethane	0.39 U	0.39 U	0.39 U	200
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	0.20 U	0.2
1,1,2-Trichloroethane	0.40 U	0.40 U	0.40 U	5
1,1-Dichloroethane	0.38 U	0.38 U	0.38 U	70
1,1-Dichloroethylene	0.41 U	0.41 U	0.41 U	7
1,2,3-Trichloropropane	0.015 U	0.015 U	0.015 U	0.02
1,2-Dibromo-3-Chloropropane	0.023 U	0.023 U	0.023 U	0.2
1,2-Dichlorobenzene	0.44 U	0.44 U	0.44 U	600
1,2-Dichloroethane	0.40 U	0.40 U	0.40 U	3
1,2-Dichloropropane	0.18 U	0.18 U	0.18 U	5
1,4-Dichlorobenzene	0.36 U	0.36 U	0.36 U	75
2-Butanone (MEK)	0.33 U	0.33 U	0.33 U	4200
2-Hexanone	0.42 U	0.42 U	0.42 U	280
4-Methyl-2-pentanone (MIBK)	0.40 U	0.40 U	0.40 U	560
Acetone	2.4 V	2.4 V	3.5 J4.V	6300
Acrylonitrile	0.38 U	0.38 U	0.38 U	0.06
Benzene	0.28 U	0.28 U	0.28 U	1
Bromochloromethane	0.33 U	0.33 U	0.33 U	91
Bromodichloromethane	0.39 U	0.39 U	0.39 U	0.6
Bromoform	0.36 U	0.36 U	0.36 U	4.4
Bromomethane	0.32 U	0.32 U	0.32 U	9.8
Carbon Disulfide	0.42 U	0.42 U	0.42 U	700
Carbon Tetrachloride	0.41 U	0.41 U	0.41 U	5
Chlorobenzene	0.38 U	0.38 U	0.38 U	100
Chloroethane	0.42 U	0.42 U	0.42 U	12
Chloroform	0.37 U	0.37 U	0.37 U	70
Chloromethane	0.39 U	0.39 U	0.39 U	2.7
cis-1,2-Dichloroethylene	0.39 U	0.39 U	0.39 U	70
cis-1,3-Dichloropropene	0.26 U	0.26 U	0.26 U	0.4
Dibromochloromethane	0.36 U	0.36 U	0.36 U	0.4
Dibromomethane	0.41 U	0.41 U	0.41 U	70
Ethylbenzene	0.56 U	0.56 U	0.56 U	700
Ethylene Dibromide (EDB)	0.019 U	0.019 U	0.019 U	0.02
Iodomethane (Methyl Iodide)	0.83 U	0.83 U	0.83 U	NS
Methylene Chloride	0.56 U	0.56 U	0.70 IJ4.V	5
Styrene	0.29 U	0.29 U	0.29 U	100
Tetrachloroethylene (PCE)	0.45 U	0.45 U	0.45 U	3
Toluene	0.66 U	0.66 U	0.66 U	1000
trans-1,2-Dichloroethylene	0.39 U	0.39 U	0.39 U	100
trans-1,3-Dichloropropene	0.26 U	0.26 U	0.26 U	0.4
trans-1,4-Dichloro-2-butene	0.46 U	0.46 U	0.46 U	NS
Trichloroethene	0.32 U	0.32 U	0.32 U	3
Trichlorofluoromethane	0.26 U	0.26 U	0.26 U	2100
Vinyl Acetate	0.37 U	0.37 U	0.37 U	88
Vinyl Chloride	0.44 U	0.44 U	0.44 U	1
Xylene (Total)	1.30 U	1.30 U	1.30 U	10000

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

MCL Standards Derived from the Primary Drinking Water Standard (Ch. 62-520, F.A.C.), the Secondary Drinking Water Standard (Ch. 62-302, F.A.C.), and the Groundwater Cleanup target Levels (Ch. 62-777, F.A.C.)

MCL=Maximum Contaminant Level

NS=No Standard

NS(1)=GCTL of 2.8 is no longer suitable toxicological reference for evaluating the significance of ammonia concentrations in groundwater.

mg/l = Milligrams Per Liter

ug/l = Micrograms Per Liter

umhos/cm = Micromhos Per Centimeter

NTU=Nephelometric Turbidity Units

mV = millivolts

I = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U = parameter was analyzed but not detected.

J4 = Estimated Result

**Table 5 - Southeast County Landfill  
Groundwater and Surface Water Elevations**  
**02/08/21**

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	18.14	119.88	1015
TH-19*	130.27	91.87	38.40	0950
TH-20A	131.86	9.39	122.47	1055
TH-20B	132.57	10.26	122.31	1053
TH-22	128.82	3.78	125.04	1103
TH-22A	129.27	4.40	124.87	1102
TH-24A	128.23	3.95	124.28	1058
TH-28A	131.10	27.81	103.29	1028
TH-30	128.88	23.83	105.05	1016
TH-32	129.90	15.52	114.38	1006
TH-35	145.98	28.37	117.61	0954
TH-36A	152.70	32.89	119.81	0946
TH-38A	130.68	11.60	119.08	1050
TH-38B	131.81	10.81	121.00	1048
TH-40*	124.99	85.19	39.80	1035
TH-41*	125.00	92.33	32.67	1038
TH-42*	116.74	60.69	56.05	1002
TH-57	128.36	18.67	109.69	1031
TH-58	127.88	28.08	99.80	1018
TH-61	138.73	17.98	120.75	1011
TH-61A	139.45	18.61	120.84	1009
TH-64	139.64	18.23	121.41	1006
TH-65	135.40	15.02	120.38	1019
TH-66	130.58	9.64	120.94	1024
TH-66A	130.66	9.34	121.32	1022
TH-67	129.51	6.34	123.17	1035
TH-68	140.01	13.61	126.40	1003
TH-69A	144.97	26.15	118.82	0946
TH-70A	146.63	22.67	123.96	0950
TH-71A	146.95	27.74	119.21	0955
TH-72*	130.96	85.57	45.39	1025
TH-73	131.07	30.68	100.39	1021
TH-76*	111.21	65.86	45.35	1045
TH-77*	119.88	74.35	45.53	1041
TH-78*	120.75	68.28	52.47	1049
TH-79	129.60	8.68	120.92	1029
TH-80	129.52	9.29	120.23	1027
TH-81	130.26	9.24	121.02	1032
TH-82	131.24	11.14	120.10	1045
TH-83	130.23	9.59	120.64	1041
TH-84	134.92	14.39	120.53	1040
SW-3A	3.0'=125.53'	2.12	123.41	1104
SW-3B2B	3.0'=97.97'	ND	ND	ND
SW-3C2	6.0'=92.33'	1.65	90.68	1224
Mine Cut #1	4.0'=122.14'	2.15	119.99	1149
NGVD = National Geodetic Vertical Datum				
T.O.C. = Top of Casing				
B.T.O.C. = Below Top of Casing				
* = Floridan Well				
ND = No Data (3B2B - Gage no longer in stream)				
W.L. = Water Level				

FIGURE 2

**SOUTHEAST COUNTY LANDFILL  
SURFICIAL AQUIFER GROUNDWATER  
CONTOUR MAP**

FEBRUARY 8th, 2021

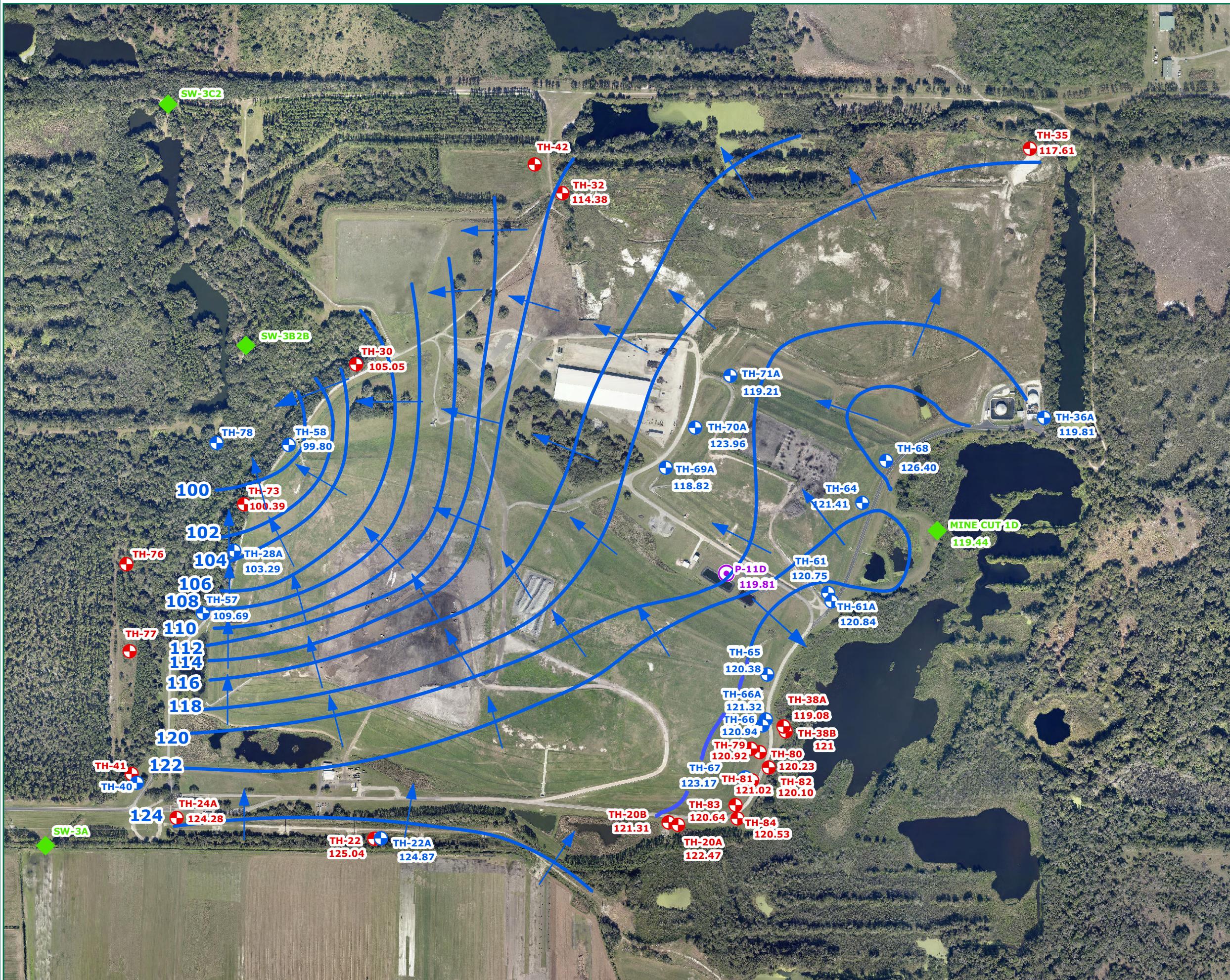
2020 AERIAL PHOTO



**Hillsborough  
County Florida**

## Legend

- Well Designation**
- ◆ Surface Water Sites
  - Piezometer
  - Active Monitor Wells
  - Inactive Monitor Wells  
(Used For Water Levels)



NOTE: Every reasonable effort has been made to assure the accuracy of this map. Hillsborough County does not assume any liability arising from use of this map. THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SOURCE: This map has been prepared for the inventory of real property found within Hillsborough County and is compiled from recorded deeds, plats, and other public records; it has been based on BEST AVAILABLE data.

Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map.

BSOC  
332 N. Falkenburg Rd  
Tampa, FL 33619

0 0.06 0.12  
Miles

**Attachment A**  
**Monitoring Well TH-71A**  
**Historical Water Quality Data**  
**Table and Chart**

**Historical Water Quality - Southeast Landfill**  
**Surficial Aquifer Detection Well TH-71A**

General Parameters	Feb-12	May-12	Aug-12	Nov-12	Feb-13	May-13	Aug-13	Feb-14	Aug-14	Feb-15	Aug-15	Feb-16	Aug-16	Feb-17	Aug-17	Feb-18	Aug-18	Feb-19	Aug-19	Feb-20	Aug-20	Feb-21	MCL Standard		
conductivity (umhos/cm) (field)	741	734	731	922	815	782	880	1167	1351	1423	1191	1335	1574	1578	1524	1435	1267	1408	1476	1791	1925	1784	NS		
dissolved oxygen (mg/l) (field)	0.24	0.39	0.12	0.16	0.22	0.15	0.19	0.52	0.21	0.59	0.43	0.15	0.08	0.2	0.08	0.34	0.06	0.15	0.13	0.14	0.12	0.13	NS		
ORP (mV)	ND	-54.6	-42.8	-54.7	-58.6	-75.6	-20.6	-40.4	-48	-36.1	-35.1	NS													
temperature (°C) (field)	24.10	23.50	25.10	25.90	24.50	23.80	24.80	24.42	24.65	23.11	24.55	24.64	24.65	24.73	25.04	24.9	25.1	24.7	24.9	24.7	25.2	25.1	NS		
turbidity (NTU) (field)	12.7	9.43	4.8	3.14	7.9	5.11	5.3	3.29	3.36	2.6	6.6	2.87	18.9	5.65	8.47	9.12	37.7	4.67	6.51	9.32	15.3	6.9	NS		
pH (field)	<b>6.03</b>	<b>5.84</b>	<b>5.85</b>	<b>6.11</b>	<b>6.09</b>	<b>6.42</b>	<b>6.20</b>	<b>6.40</b>	<b>6.14</b>	<b>6.19</b>	<b>6.23</b>	<b>6.10</b>	<b>6.05</b>	<b>6.22</b>	<b>6.13</b>	<b>6.14</b>	<b>6.16</b>	<b>6.03</b>	<b>6.16</b>	<b>6.07</b>	<b>5.94</b>	<b>5.83</b>	(6.5 - 8.5)**		
total dissolved solids (mg/l)	450	380	400	400	<b>530</b>	<b>510</b>	<b>530</b>	<b>590</b>	<b>800</b>	<b>760</b>	<b>610</b>	<b>660</b>	<b>850</b>	<b>880</b>	<b>1500</b>	<b>840</b>	<b>810</b>	<b>1100</b>	<b>920</b>	<b>1100</b>	<b>1300</b>	<b>1100</b>	500**		
chloride (mg/l)	48	48	53	90	100	110	140	170	170	130	130	210	<b>270</b>	<b>300</b>	<b>280</b>	<b>260</b>	<b>180</b>	<b>260</b>	<b>310</b>	<b>440</b>	<b>450</b>	<b>380</b>	250**		
ammonia nitrogen (mg/l as N)	1.5	1.6	1.6	1.4	2.3	1.6	1.2	1.3	2.2	1.8	1.8	2.1	2	1.8	1.9	1.8	1.7	1.7	2.1	3.1	2.1	2.1	NS(1)		
nitrate (mg/l as N)	0.1 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.3	0.18 u	0.11	0.13	0.095 l	0.13	10*										
<b>Metals (mg/l)</b>																							<b>MCL Standard</b>		
antimony	0.0023 u	0.0086 u	0.0002 i	0.000087 i	0.00022 i	0.00019 i	0.0001 i	0.00016 i	0.00015 i	0.0006 i	0.00048 i	0.00011 l	0.0010 U	0.006*											
arsenic	0.0078	0.0042	0.0037	0.0068	0.0034	0.0031	0.0034	0.0023 i	0.0026	0.0016 u	0.0035	0.0026	0.0011 i	0.0034	0.0034	0.0028	0.0069	0.0014	0.0037	0.0029	0.003	0.0025	0.01*		
barium	0.018	0.014	0.0096	0.013	0.023	0.012	0.016	0.014	0.013	0.012	0.013	0.013	0.017	0.017	0.017	0.014	0.023	0.0098	0.018	0.019	0.02	0.018	2*		
beryllium	0.00025 u	0.00011 u	0.00013 u	0.00013 u	0.00019 i	0.00011 u	0.00011 u	0.00029 u	0.00020 U	0.004*															
cadmium	0.000095 u	0.000097 i	0.000095 u	0.000095 u	0.00021 i	0.00010 i	0.0001 i	0.000095 u	0.000095 u	0.0011 u	0.000056 u	0.000028 u	0.000056 u	0.000028 u	0.000031 i	0.000064 u	0.005*								
chromium	0.0025 u	0.00038 i	0.00059 i	0.00056 i	0.00021 u	0.00071 i	0.00065 i	0.00068 i	0.0013 i	0.00036 i	0.00081 i	0.00072 i	0.00011 U	0.0068 I	0.2										
cobalt	0.0014	0.00083	0.00048 i	0.0023	0.0014	0.00069	0.00037 i	0.00069	0.00034 i	0.00045 i	0.00038 u	0.00029 i	0.00038 u	0.00021 i	0.00019 u	0.00023 i	0.00032 i	0.00025 i	0.00031 i	0.0002 I	0.00025 U	140***			
copper	0.0011 u	0.0059 i	0.00022 u	0.00022 u	0.00011 u	0.00011 u	0.00022 i	0.00035 u	0.0010 U	1**															
iron	<b>39</b>	<b>29</b>	<b>20</b>	<b>28</b>	<b>23</b>	<b>24</b>	<b>32</b>	<b>29</b>	<b>32</b>	<b>27</b>	<b>24</b>	<b>27</b>	<b>27</b>	<b>36</b>	<b>40</b>	<b>37</b>	<b>60</b>	<b>22</b>	<b>40</b>	<b>40</b>	<b>44</b>	<b>34</b>	0.3**		
lead	0.0002 u	0.00021 i	0.00020 u	0.00034 i	0.0020	0.00020 u	0.00020 u	0.00024 i	0.00020 u	0.00032 u	0.00048 u	0.00024 u	0.00048 u	0.00024 u	0.00050 U	0.015*									
mercury	0.000091 u	0.000091 u	0.00014 i	0.000072 u	0.000091 u	0.000064 u	0.000084 u	0.000084 u	0.000084 u	0.000050 u	0.000050 u	0.00005 u	0.00005 u	0.00005 u	0.00005 u	0.00005 u	0.00005 u	0.000028 U	0.002*						
nickel	0.006	0.004 i	0.0033 i	0.0075	0.0045 i	0.0035 i	0.0037 i	0.0036 i	0.0024 i	0.0012 u	0.00022 u	0.0016	0.0014 i	0.0014	0.0018	0.0015 i	0.0015 i	0.0012 i	0.00098 u	0.0017 i	0.0074	0.0037 I	0.1*		
selenium	0.001 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0041 u	0.0012 u	0.003 i	0.0012 u	0.00058 u	0.00059 i	0.00058 u	0.0012 U	0.05*							
silver	0.00025 u	0.00063 u	0.000054 u	0.000027 u	0.000054 u	0.000031 i	0.000027 u	0.000068 U	0.10**																
sodium	6.3	6.2	5.5	9.4	7.9	8.8	13	16	20	26	27	31	36	40	42	44	43	46	52	70	91	81	160*		
thallium	0.00050 u	0.0024 u	0.00011 u	0.000057 u	0.00011 u	0.00057 u	0.00057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 U	0.00025 U	0.002*												
vanadium	0.012	0.0051 i	0.0038 u	0.0038 u	0.0053 i	0.0038 u	0.0076 i	0.0038 u	0.0038 u	0.0034	0.0021 i	0.0024	0.0014 u	0.0057	0.0049	0.011	0.023	0.031	0.0096	0.014	0.0028	0.0020 I	0.049***		
zinc	0.0083 u	0.011	0.0020 u	0.012	0.0020 u	0.006 i	0.017	0.0079 i	0.0094 i	0.0074 u	0.0074 U	0.05 U	0.050 U	5**											
<b>Organic Parameters Detected (ug/l)</b>																							<b>MCL Standard</b>		
acetone	9.9 u	1 u	1 u	1 u	1 u	1 u	1.5 i	1 u	1 u	2 u	1 U	0.9 U	4.5 V	6300***											

NOTE: Reference FDEP Groundwater Guidance Concentrations

NS= No Standard

NS(1)= GCTL of 2.8 is no longer suitable toxicological reference for evaluating the significance of ammonia concentrations in groundwater.

MCL= Maximum Containment Level

BDL= Below Detection Limit

NDA= No Data (ORP was not being collected during sampling event)

\*= Primary Drinking Water Standard

\*\*= Secondary Drinking Water Standard

\*\*\*= Florida Guidance Concentration MCL

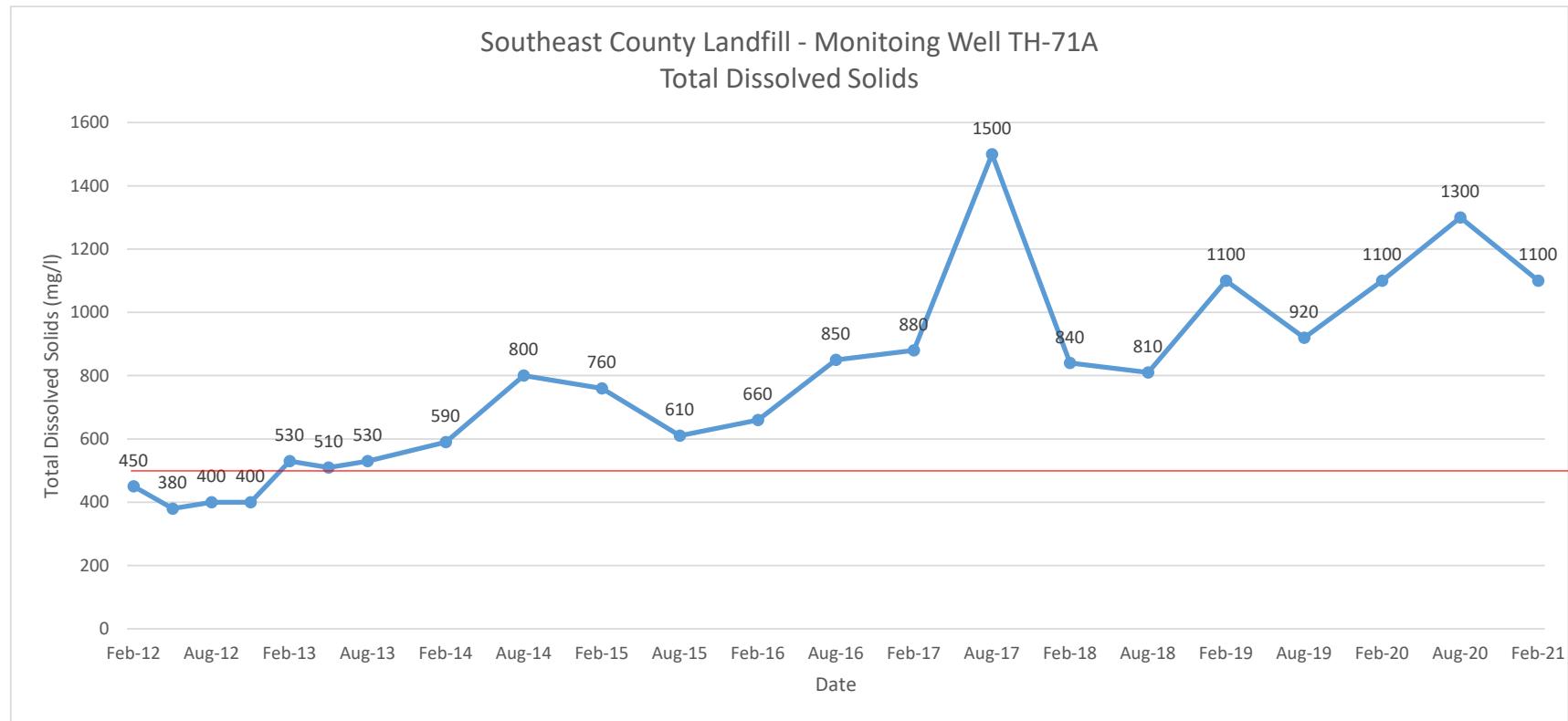
**6.03** : Exceeds Standards

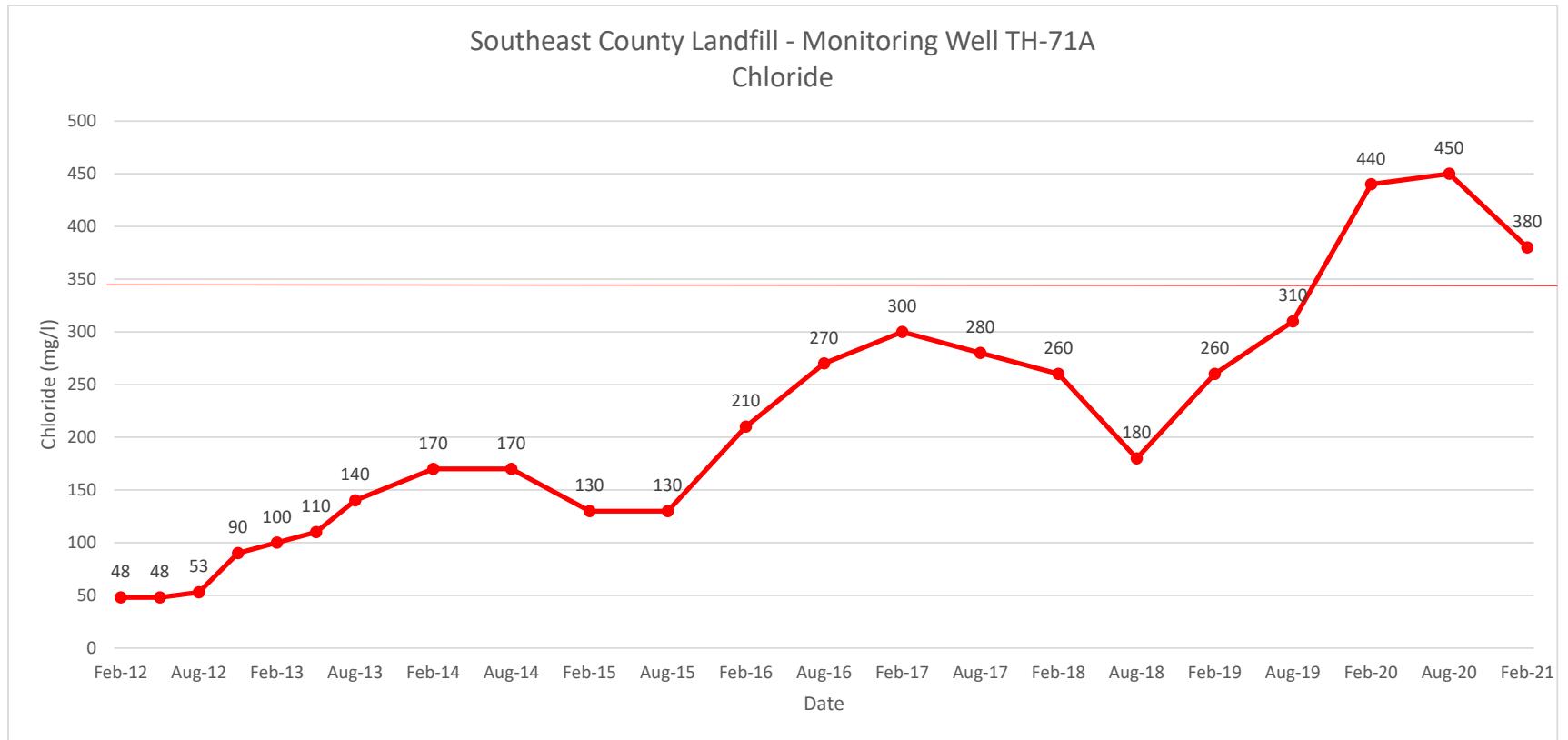
NTU= Nephelometric Turbidity Units

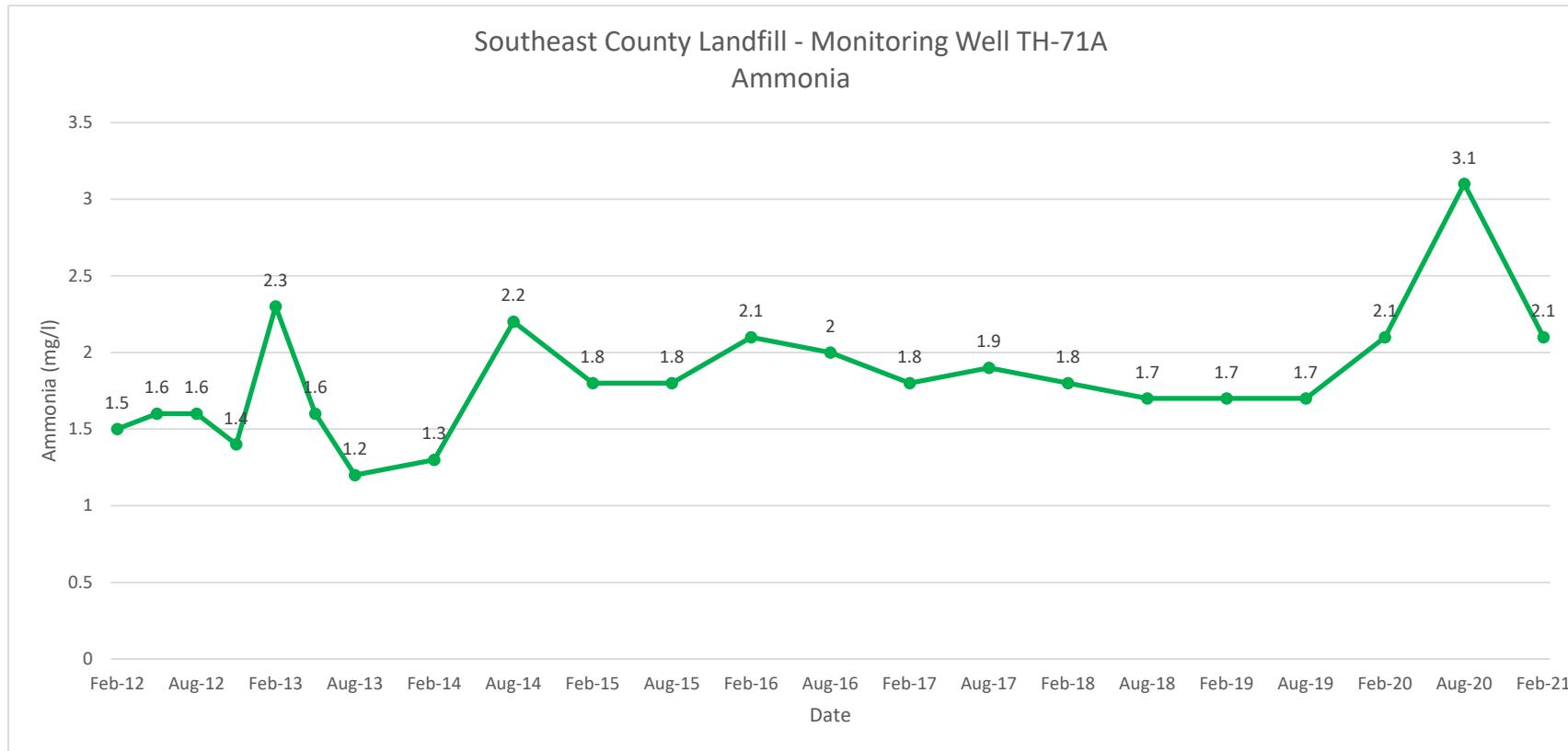
µg/l= Micrograms Per Liter

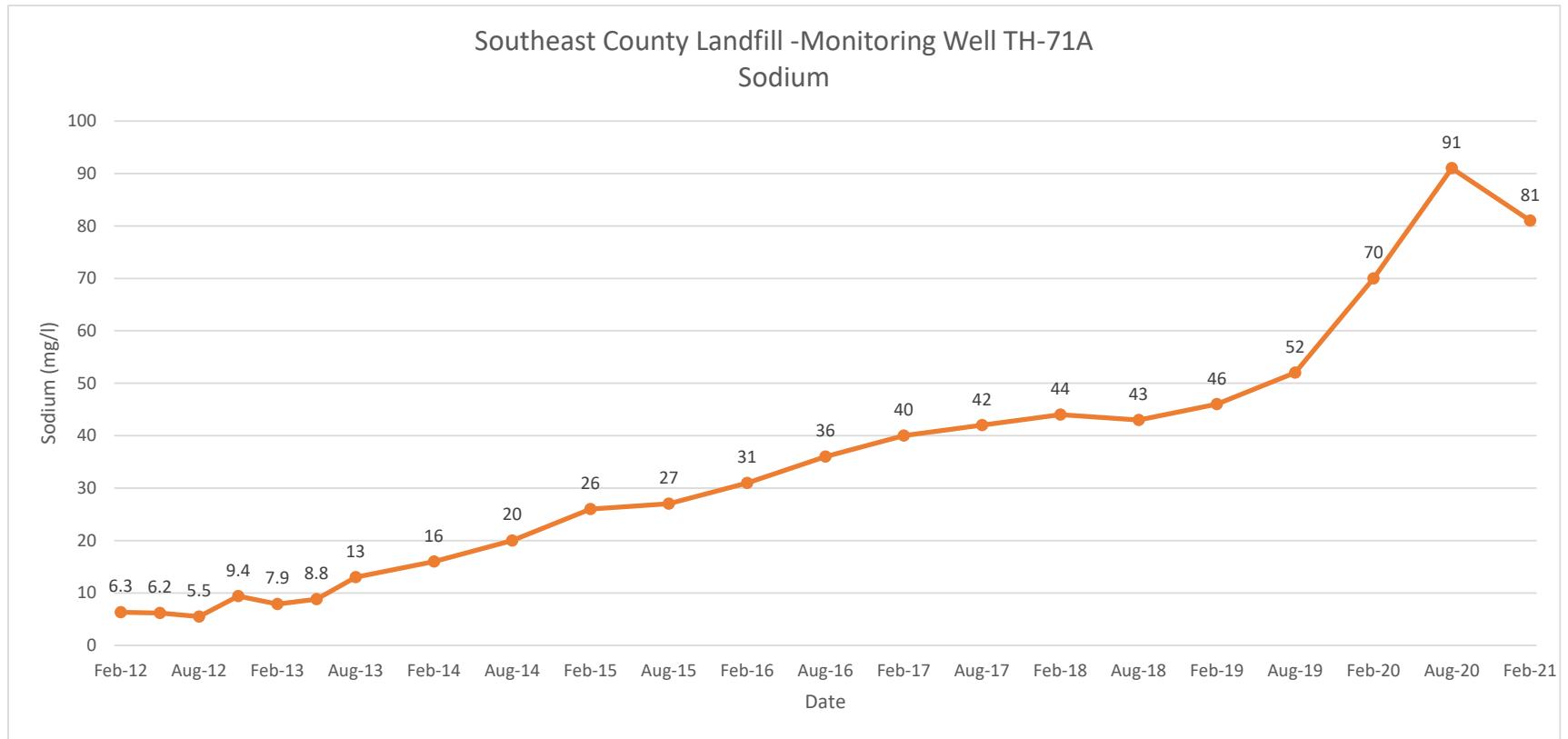
mg/l= Milligrams Per Liter

NGVD= National Geodetic Vertical Datum









**Attachment B**

**February 2021 Laboratory**

**Data Report**



Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

May 21, 2021

Michael Townsel  
Hillsborough Co Public Utilities  
332 North Falkenburg Rd  
Tampa, FL 33619

RE: Workorder: T2102306 SELF Semi-Annual SW

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, February 08, 2021 and Friday, February 12, 2021. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Heidi Parker".

Heidi Parker - Project Manager  
HParker@AELLab.com

Enclosures

Report ID: 1036179

AMENDED

Page 1 of 217

### CERTIFICATE OF ANALYSIS

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Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## SAMPLE SUMMARY

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T2102306001	Trip Blank T2102306001	Water	2/8/2021 00:00	2/8/2021 14:03
T2102306002	Equipment Blank	Water	2/8/2021 11:15	2/8/2021 14:03
T2102306003	Stream-3A	Water	2/8/2021 11:22	2/8/2021 14:03
T2102306004	Mine-Cut	Water	2/8/2021 11:53	2/8/2021 14:03
T2102306005	Stream 3C2	Water	2/8/2021 12:29	2/8/2021 14:03
T2102306006	3B2B	Water	2/8/2021 12:50	2/8/2021 14:03
T2102306007	Stream-3A Dup	Water	2/8/2021 11:23	2/8/2021 14:03
T2102306008	Trip Blank T2102306008	Water	2/9/2021 00:00	2/9/2021 15:15
T2102306009	Field Blank T2102306009	Water	2/9/2021 08:08	2/9/2021 15:15
T2102306010	TH-78	Water	2/9/2021 09:06	2/9/2021 15:15
T2102306011	TH-40	Water	2/9/2021 09:48	2/9/2021 15:15
T2102306012	TH-22A	Water	2/9/2021 10:23	2/9/2021 15:15
T2102306013	TH-36A	Water	2/9/2021 11:06	2/9/2021 15:15
T2102306014	TH-57	Water	2/9/2021 11:34	2/9/2021 15:15
T2102306015	TH-28A	Water	2/9/2021 12:02	2/9/2021 15:15
T2102306016	TH-58	Water	2/9/2021 12:41	2/9/2021 15:15
T2102306017	TH-67	Water	2/9/2021 13:22	2/9/2021 15:15
T2102306018	Cancel	Water	2/9/2021 00:00	2/9/2021 15:15
T2102306019	TH-66A	Water	2/9/2021 13:48	2/9/2021 15:15
T2102306020	TH-66	Water	2/9/2021 14:15	2/9/2021 15:15
T2102306021	Trip Blank T2102306021	Water	2/10/2021 00:00	2/10/2021 14:45
T2102306022	TH-65	Water	2/10/2021 09:41	2/10/2021 14:45
T2102306023	TH-61A	Water	2/10/2021 10:16	2/10/2021 14:45
T2102306024	TH-61	Water	2/10/2021 10:46	2/10/2021 14:45
T2102306025	TH-64	Water	2/10/2021 11:40	2/10/2021 14:45
T2102306026	TH-19	Water	2/10/2021 12:26	2/10/2021 14:45
T2102306027	TH-72	Water	2/10/2021 13:42	2/10/2021 14:45
T2102306028	Trip Blank T2102306028	Water	2/11/2021 00:00	2/11/2021 13:45
T2102306029	TH-68	Water	2/11/2021 09:47	2/11/2021 13:45
T2102306030	TH-69A	Water	2/11/2021 10:28	2/11/2021 13:45
T2102306031	TH-70A	Water	2/11/2021 11:38	2/11/2021 13:45
T2102306032	TH-71A	Water	2/11/2021 12:22	2/11/2021 13:45
T2102306033	MW-71A Dup	Water	2/11/2021 12:23	2/11/2021 13:45
T2102306034	Trip Blank T2102306034	Water	2/12/2021 00:00	2/12/2021 10:51
T2102306035	Field Blank T2102306035	Water	2/12/2021 09:18	2/12/2021 10:51

Report ID: 1036179

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Page 2 of 217

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## SAMPLE SUMMARY

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T2102306036	Holland Residence	Water	2/12/2021 09:40	2/12/2021 10:50
T2102306037	Barnes Residence	Water	2/12/2021 09:55	2/12/2021 10:50
T2102306038	Trip Blank T2102306038	Water	2/12/2021 00:00	2/12/2021 13:15
T2102306039	Keene Residence	Water	2/12/2021 11:36	2/12/2021 13:15

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306001** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **Trip Blank T2102306001** Date Collected: 02/08/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 01:57	T						
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 01:57	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 01:57	T						
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 01:57	T						
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 01:57	T						
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 01:57	T						
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 01:57	T						
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 01:57	T						
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 01:57	T						
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 01:57	T						
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 01:57	T						
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 01:57	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 01:57	T						
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 01:57	T						
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 01:57	T						
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 01:57	T						
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 01:57	T						
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 01:57	T						
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 01:57	T						
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 01:57	T						
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 01:57	T						
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 01:57	T						
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 01:57	T						
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 01:57	T						
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 01:57	T						
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 01:57	T						
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 01:57	T						
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 01:57	T						
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 01:57	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 01:57	T						
Methylene Chloride	<b>2.6</b>	V	ug/L	1	1.0	0.56	2/11/2021 01:57	T						
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 01:57	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 01:57	T						
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 01:57	T						
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 01:57	T						
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 01:57	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306001</b>	Date Received:	02/08/21 14:03	Matrix:	Water
Sample ID:	<b>Trip Blank T2102306001</b>	Date Collected:	02/08/21 00:00		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/11/2021 01:57	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/11/2021 01:57	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/11/2021 01:57	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 01:57	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 01:57	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 01:57	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 01:57	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/11/2021 01:57	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-128		2/11/2021 01:57	
Toluene-d8 (S)	<b>89</b>	%		1	77-119		2/11/2021 01:57	
Bromofluorobenzene (S)	<b>99</b>	%		1	86-123		2/11/2021 01:57	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/11/2021 01:57	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/11/2021 01:57	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/11/2021 01:57	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-130		2/11/2021 01:57	
Toluene-d8 (S)	<b>89</b>	%		1	70-130		2/11/2021 01:57	
Bromofluorobenzene (S)	<b>99</b>	%		1	70-130		2/11/2021 01:57	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306002</b>	Date Received:	02/08/21 14:03	Matrix:	Water
Sample ID:	<b>Equipment Blank</b>	Date Collected:	02/08/21 11:15		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### METALS

Analysis Desc: SW846 6020B	Preparation Method: SW-846 3010A
Analysis,Total	Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 18:10	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 15:04	J
Barium	<b>0.0021</b>		mg/L	1	0.0020	0.00050	2/16/2021 15:04	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 13:16	J
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 15:04	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 13:16	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 15:04	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 15:04	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 15:04	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 15:04	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 15:04	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 15:04	J
Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 15:04	J

Analysis Desc: SW846 7470A	Preparation Method: SW-846 7470A
Analysis,Water	Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/15/2021 16:36	T
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### Microbiology

Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D
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Coliform Fecal	1	U	#/100 mL	1	1	1	2/8/2021 15:35	T
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### VOLATILES

Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B
	Analytical Method: SW-846 8260B

1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 02:23	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:23	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 02:23	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:23	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 02:23	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:23	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 02:23	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:23	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 02:23	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306002** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Equipment Blank** Date Collected: 02/08/21 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:23	T
2-Butanone (MEK)	<b>0.33</b>	I	ug/L	1	1.0	0.33	2/11/2021 02:23	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:23	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:23	T
Acetone	<b>3.5</b>		ug/L	1	2.0	0.90	2/11/2021 02:23	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 02:23	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 02:23	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 02:23	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:23	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:23	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 02:23	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:23	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:23	T
Chlorobenzene	<b>0.49</b>	I	ug/L	1	1.0	0.38	2/11/2021 02:23	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:23	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 02:23	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:23	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:23	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:23	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 02:23	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 02:23	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 02:23	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 02:23	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 02:23	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 02:23	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 02:23	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:23	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 02:23	T
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 02:23	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 02:23	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:23	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:23	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:23	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:23	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 02:23	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%	1		70-128			2/11/2021 02:23
Toluene-d8 (S)	<b>88</b>	%	1		77-119			2/11/2021 02:23
Bromofluorobenzene (S)	<b>95</b>	%	1		86-123			2/11/2021 02:23

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306002** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Equipment Blank** Date Collected: 02/08/21 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B SIM Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 02:23	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 02:23	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 02:23	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%	1	70-130			2/11/2021 02:23	
Toluene-d8 (S)	<b>88</b>	%	1	70-130			2/11/2021 02:23	
Bromofluorobenzene (S)	<b>95</b>	%	1	70-130			2/11/2021 02:23	

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation							
Total Nitrogen	<b>0.12</b>	U	mg/L	1	0.20	0.12	3/16/2021 09:30	T	
Analysis Desc: Unionized Ammonia,DEP SOP,Water		Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	<b>0.000089</b>	U	mg/L	1	0.020	0.000089	2/18/2021 11:25	T	
Analysis Desc: Total Phosphorus,E365.4,Analysis		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	<b>0.15</b>	U	mg/L	1	0.20	0.15	2/23/2021 09:09	T	
Analysis Desc: COD,E410.4,Water		Analytical Method: EPA 410.4							
Chemical Oxygen Demand	<b>20</b>	U	mg/L	1	50	20	2/16/2021 08:45	T	
Analysis Desc: Chlorophyll A,SM10200H,Water		Analytical Method: SM 10200 H							
Corrected Chlorophyll A	<b>2.5</b>	U,1	mg/m3	1	3.0	2.5	2/18/2021 17:30	G	
Analysis Desc: Hardness,SM2340C,Water		Analytical Method: SM 2340C							
Hardness (as CaCO3)	<b>4.0</b>	U	mg/L	1	4.0	4.0	2/22/2021 14:30	T	
Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>10</b>	U	mg/L	1	10	10	2/11/2021 17:00	T	
Analysis Desc: TSS,SM2540D,Water		Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.0</b>	U	mg/L	1	1.0	1.0	2/12/2021 11:30	T	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306002** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Equipment Blank** Date Collected: 02/08/21 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water								
Nitrate (as N)	<b>0.092</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.092	2/9/2021 16:46	T
Analysis Desc: BOD,SM5210B,Water								
Biochemical Oxygen Demand	<b>3.3</b>		<b>mg/L</b>	<b>1</b>	2.0	2.0	2/9/2021 13:57	T
Analysis Desc: TOC,SM5310B,Water								
Total Organic Carbon	<b>1.0</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	2.0	1.0	2/11/2021 22:45	G
Analysis Desc: SW846 6010B Analysis,Water								
Preparation Method: SW-846 3010A								
Analytical Method: SW-846 6010								
Beryllium	<b>2.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	10	2.0	2/17/2021 15:58	T
Iron	<b>6.7</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	100	6.7	2/17/2021 15:58	T
Zinc	<b>50</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	100	50	2/17/2021 15:58	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306003</b>	Date Received:	02/08/21 14:03	Matrix:	Water
Sample ID:	<b>Stream-3A</b>	Date Collected:	02/08/21 11:22		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>190.3</b>		<b>umhos/cm</b>	<b>1</b>				2/8/2021 11:22
DO Saturation %	<b>10.1</b>		<b>%</b>	<b>1</b>				2/8/2021 11:22
Dissolved Oxygen	<b>0.96</b>		<b>mg/L</b>	<b>1</b>				2/8/2021 11:22
ORP-2580BW	<b>113.5</b>		<b>mV</b>	<b>1</b>				2/8/2021 11:22
Temperature	<b>18</b>		<b>°C</b>	<b>1</b>				2/8/2021 11:22
Turbidity	<b>1.1</b>		<b>NTU</b>	<b>1</b>				2/8/2021 11:22
pH	<b>5.54</b>		<b>SU</b>	<b>1</b>				2/8/2021 11:22

### **METALS**

Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis,Total		Analytical Method: SW-846 6020						
Antimony	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/19/2021 18:16	J
Arsenic	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:09	J
Barium	<b>0.021</b>		<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:09	J
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:05	J
Chromium	<b>0.00068</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:09	J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:05	J
Copper	<b>0.0016</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:09	J
Lead	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:09	J
Nickel	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:09	J
Selenium	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:09	J
Silver	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:09	J
Thallium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:09	J
Vanadium	<b>0.0013</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:09	J

Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis,Water		Analytical Method: SW-846 7470A						

Mercury	<b>0.000028</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.00010	0.000028	2/15/2021 16:39	T
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### **Microbiology**

Analysis Desc: Fecal Coliform MF,SM9222D,Water		Analytical Method: SM 9222D						
Coliform Fecal	<b>40</b>		<b>#/100 mL</b>	<b>10</b>	10	10	2/8/2021 15:35	T

### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306003** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A** Date Collected: 02/08/21 11:22

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 02:50	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:50	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 02:50	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:50	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 02:50	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:50	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 02:50	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:50	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 02:50	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:50	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 02:50	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:50	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 02:50	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 02:50	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 02:50	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 02:50	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 02:50	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:50	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:50	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 02:50	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:50	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:50	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 02:50	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 02:50	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 02:50	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:50	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 02:50	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 02:50	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 02:50	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 02:50	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 02:50	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 02:50	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 02:50	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 02:50	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 02:50	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:50	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 02:50	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306003** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A** Date Collected: 02/08/21 11:22

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 02:50
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 02:50
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:50
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:50
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 02:50
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 02:50
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 02:50
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-128		2/11/2021 02:50
Toluene-d8 (S)	<b>88</b>	%		1	77-119		2/11/2021 02:50
Bromofluorobenzene (S)	<b>100</b>	%		1	86-123		2/11/2021 02:50

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 02:50
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 02:50
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 02:50
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-130		2/11/2021 02:50
Toluene-d8 (S)	<b>88</b>	%		1	70-130		2/11/2021 02:50
Bromofluorobenzene (S)	<b>100</b>	%		1	70-130		2/11/2021 02:50

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation						
Total Nitrogen	<b>0.47</b>		mg/L	1	0.20	0.12	3/16/2021 09:40
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83						
Unionized Ammonia	<b>0.0000022</b>	U	mg/L	1	0.020	0.0000022	2/18/2021 11:26
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4						
Total Phosphorus (as P)	<b>0.15</b>	U	mg/L	1	0.20	0.15	3/1/2021 15:41
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4						
Chemical Oxygen Demand	<b>20</b>	U	mg/L	1	50	20	2/16/2021 08:45
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>2.5</b>	I	mg/m3	1	3.0	2.5	2/18/2021 17:30

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306003** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A** Date Collected: 02/08/21 11:22

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO <sub>3</sub> )	<b>68</b>		mg/L	1	4.0	4.0	2/22/2021 14:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>120</b>		mg/L	1	10	10	2/11/2021 17:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>1.0</b>	U	mg/L	1	1.0	1.0	2/12/2021 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/9/2021 16:47	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	<b>2.0</b>	U	mg/L	1	2.0	2.0	2/9/2021 14:05	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	<b>8.8</b>		mg/L	1	2.0	1.0	2/11/2021 22:57	G
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	<b>2.0</b>	U	ug/L	1	10	2.0	2/17/2021 16:00	T
Iron	<b>57</b>	I	ug/L	1	100	6.7	2/17/2021 16:00	T
Zinc	<b>50</b>	U	ug/L	1	100	50	2/17/2021 16:00	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306004** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **Mine-Cut** Date Collected: 02/08/21 11:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	315	umhos/cm	1				2/8/2021 11:53
DO Saturation %	12.6	%	1				2/8/2021 11:53
Dissolved Oxygen	1.19	mg/L	1				2/8/2021 11:53
ORP-2580BW	39	mV	1				2/8/2021 11:53
Temperature	18.3	°C	1				2/8/2021 11:53
Turbidity	2.19	NTU	1				2/8/2021 11:53
pH	6.2	SU	1				2/8/2021 11:53

### METALS

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 18:21	J
Arsenic	0.00034	I	mg/L	1	0.0010	0.00025	2/16/2021 15:15	J
Barium	0.0017	I	mg/L	1	0.0020	0.00050	2/16/2021 15:15	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 20:10	J
Chromium	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 15:15	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 20:10	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 15:15	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 15:15	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 15:15	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 15:15	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 15:15	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 15:15	J
Vanadium	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 15:15	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/15/2021 16:41	T
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### Microbiology

Analysis Desc: Fecal Coliform Analytical Method: SM 9222D  
MF,SM9222D,Water

Coliform Fecal	40	#/100 mL	10	10	10	2/8/2021 15:35	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306004</b>	Date Received:	02/08/21 14:03	Matrix:	Water
Sample ID:	<b>Mine-Cut</b>	Date Collected:	02/08/21 11:53		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 03:16	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:16	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 03:16	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:16	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 03:16	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:16	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 03:16	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:16	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 03:16	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:16	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 03:16	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:16	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:16	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 03:16	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 03:16	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 03:16	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 03:16	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:16	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:16	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 03:16	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:16	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:16	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 03:16	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:16	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 03:16	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:16	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:16	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:16	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 03:16	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 03:16	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 03:16	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 03:16	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 03:16	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 03:16	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 03:16	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 03:16	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 03:16	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306004** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Mine-Cut** Date Collected: 02/08/21 11:53

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/11/2021 03:16
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/11/2021 03:16
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 03:16
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 03:16
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 03:16
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 03:16
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/11/2021 03:16
1,2-Dichloroethane-d4 (S)	<b>85</b>		%	<b>1</b>	70-128		2/11/2021 03:16
Toluene-d8 (S)	<b>85</b>		%	<b>1</b>	77-119		2/11/2021 03:16
Bromofluorobenzene (S)	<b>99</b>		%	<b>1</b>	86-123		2/11/2021 03:16

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/11/2021 03:16
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/11/2021 03:16
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/11/2021 03:16
1,2-Dichloroethane-d4 (S)	<b>85</b>		%	<b>1</b>	70-130		2/11/2021 03:16
Toluene-d8 (S)	<b>85</b>		%	<b>1</b>	70-130		2/11/2021 03:16
Bromofluorobenzene (S)	<b>98</b>		%	<b>1</b>	70-130		2/11/2021 03:16

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation						
Total Nitrogen	<b>1.3</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	3/16/2021 09:50
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83						
Unionized Ammonia	<b>0.000024</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.020	0.000010	2/18/2021 11:27
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4						
Total Phosphorus (as P)	<b>2.8</b>	<b>J4</b>	<b>mg/L</b>	<b>1</b>	0.20	0.15	2/23/2021 09:09
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4						
Chemical Oxygen Demand	<b>61</b>		<b>mg/L</b>	<b>1</b>	50	20	2/16/2021 08:45
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>46</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	2/18/2021 17:30

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306004** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **Mine-Cut** Date Collected: 02/08/21 11:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO <sub>3</sub> )	<b>88</b>		mg/L	1	4.0	4.0	2/22/2021 14:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>270</b>		mg/L	1	10	10	2/11/2021 17:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>6.4</b>		mg/L	2	2.0	2.0	2/12/2021 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/9/2021 16:49	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	<b>2.0</b>	U	mg/L	1	2.0	2.0	2/9/2021 14:13	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	<b>19</b>		mg/L	1	2.0	1.0	2/11/2021 23:09	G
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/17/2021 16:03	T
Iron	<b>0.21</b>		mg/L	1	0.10	0.0067	2/17/2021 16:03	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/17/2021 16:03	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306005** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream 3C2** Date Collected: 02/08/21 12:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>390.7</b>		<b>umhos/cm</b>	<b>1</b>				2/8/2021 12:29
DO Saturation %	<b>69</b>		<b>%</b>	<b>1</b>				2/8/2021 12:29
Dissolved Oxygen	<b>6.59</b>		<b>mg/L</b>	<b>1</b>				2/8/2021 12:29
ORP-2580BW	<b>123.4</b>		<b>mV</b>	<b>1</b>				2/8/2021 12:29
Temperature	<b>18.4</b>		<b>°C</b>	<b>1</b>				2/8/2021 12:29
Turbidity	<b>1.56</b>		<b>NTU</b>	<b>1</b>				2/8/2021 12:29
pH	<b>6.44</b>		<b>SU</b>	<b>1</b>				2/8/2021 12:29

### **METALS**

Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis,Total		Analytical Method: SW-846 6020						
Antimony	<b>0.0013</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/26/2021 22:19	J
Arsenic	<b>0.00040</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:30	J
Barium	<b>0.0089</b>		<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:30	J
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:15	J
Chromium	<b>0.00078</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:30	J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:15	J
Copper	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:30	J
Lead	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:30	J
Nickel	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:30	J
Selenium	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:30	J
Silver	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:30	J
Thallium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:30	J
Vanadium	<b>0.0040</b>		<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:30	J

Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis,Water		Analytical Method: SW-846 7470A						

Mercury	<b>0.000028</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.00010	0.000028	2/15/2021 16:44	T
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### **Microbiology**

Analysis Desc: Fecal Coliform MF,SM9222D,Water		Analytical Method: SM 9222D						
Coliform Fecal	<b>260</b>		<b>#/100 mL</b>	<b>10</b>	10	10	2/8/2021 15:35	T

### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306005** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream 3C2** Date Collected: 02/08/21 12:29

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 03:42	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:42	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 03:42	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:42	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 03:42	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:42	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 03:42	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:42	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 03:42	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:42	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 03:42	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:42	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 03:42	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 03:42	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 03:42	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 03:42	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 03:42	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:42	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:42	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 03:42	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:42	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:42	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 03:42	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 03:42	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 03:42	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:42	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 03:42	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 03:42	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 03:42	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 03:42	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 03:42	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 03:42	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 03:42	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 03:42	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 03:42	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 03:42	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 03:42	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306005** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream 3C2** Date Collected: 02/08/21 12:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 03:42
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 03:42
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:42
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 03:42
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 03:42
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 03:42
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 03:42
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-128		2/11/2021 03:42
Toluene-d8 (S)	<b>88</b>	%		1	77-119		2/11/2021 03:42
Bromofluorobenzene (S)	<b>97</b>	%		1	86-123		2/11/2021 03:42

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 03:43	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 03:43	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 03:43	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-130		2/11/2021 03:43	
Toluene-d8 (S)	<b>88</b>	%		1	70-130		2/11/2021 03:43	
Bromofluorobenzene (S)	<b>97</b>	%		1	70-130		2/11/2021 03:43	

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation						
Total Nitrogen	<b>0.52</b>	mg/L	1	0.20	0.12	3/16/2021 09:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83						
Unionized Ammonia	<b>0.000018</b>	U	mg/L	1	0.020	0.000018	2/18/2021 11:27
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4						
Total Phosphorus (as P)	<b>0.43</b>	mg/L	1	0.20	0.15	2/23/2021 09:09	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4						
Chemical Oxygen Demand	<b>31</b>	I	mg/L	1	50	20	2/16/2021 08:45
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>2.5</b>	U	mg/m3	1	3.0	2.5	2/18/2021 17:30

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Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306005** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **Stream 3C2** Date Collected: 02/08/21 12:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	<b>100</b>		<b>mg/L</b>	<b>1</b>	4.0	4.0	2/22/2021 14:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>350</b>		<b>mg/L</b>	<b>1</b>	10	10	2/11/2021 17:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>3.6</b>		<b>mg/L</b>	<b>1</b>	1.0	1.0	2/12/2021 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.16</b>		<b>mg/L</b>	<b>1</b>	0.10	0.092	2/9/2021 16:50	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	<b>2.0</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	2.0	2.0	2/9/2021 14:20	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	<b>12</b>		<b>mg/L</b>	<b>1</b>	2.0	1.0	2/11/2021 23:20	G
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	<b>0.0020</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0020	2/18/2021 18:00	T
Iron	<b>0.46</b>		<b>mg/L</b>	<b>1</b>	0.10	0.0067	2/18/2021 18:00	T
Zinc	<b>0.050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.050	2/18/2021 18:00	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306006** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **3B2B** Date Collected: 02/08/21 12:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>252.9</b>		<b>umhos/cm</b>	<b>1</b>			2/8/2021 12:50
DO Saturation %	<b>54.7</b>		<b>%</b>	<b>1</b>			2/8/2021 12:50
Dissolved Oxygen	<b>5.09</b>		<b>mg/L</b>	<b>1</b>			2/8/2021 12:50
ORP-2580BW	<b>69.7</b>		<b>mV</b>	<b>1</b>			2/8/2021 12:50
Temperature	<b>18.9</b>		<b>°C</b>	<b>1</b>			2/8/2021 12:50
Turbidity	<b>1.19</b>		<b>NTU</b>	<b>1</b>			2/8/2021 12:50
pH	<b>6.07</b>		<b>SU</b>	<b>1</b>			2/8/2021 12:50

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0020	2/18/2021 18:03	T
Iron	<b>0.40</b>		<b>mg/L</b>	<b>1</b>	0.10	0.0067	2/18/2021 18:03	T
Zinc	<b>0.050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.050	2/18/2021 18:03	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/19/2021 18:42	J
Arsenic	<b>0.00031</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:35	J
Barium	<b>0.015</b>		<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:35	J
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:20	J
Chromium	<b>0.00086</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:35	J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 20:20	J
Copper	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:35	J
Lead	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:35	J
Nickel	<b>0.0019</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:35	J
Selenium	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:35	J
Silver	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:35	J
Thallium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:35	J
Vanadium	<b>0.0018</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:35	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.00010	0.000028	2/15/2021 16:57	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306006** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **3B2B** Date Collected: 02/08/21 12:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Fecal Coliform MF,SM9222D,Water		Analytical Method: SM 9222D						
Coliform Fecal	<b>380</b>		#/100 mL	<b>10</b>		10	10	2/8/2021 15:35 T
<b>VOLATILES</b>								
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
Analytical Method: SW-846 8260B								
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.47	2/11/2021 04:08 T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.39	2/11/2021 04:08 T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.20	2/11/2021 04:08 T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.40	2/11/2021 04:08 T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.38	2/11/2021 04:08 T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.41	2/11/2021 04:08 T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.44	2/11/2021 04:08 T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.40	2/11/2021 04:08 T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.18	2/11/2021 04:08 T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.36	2/11/2021 04:08 T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.33	2/11/2021 04:08 T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.42	2/11/2021 04:08 T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.40	2/11/2021 04:08 T
Acetone	<b>0.90</b>	<b>U</b>	ug/L	<b>1</b>		2.0	0.90	2/11/2021 04:08 T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>		5.0	0.38	2/11/2021 04:08 T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.28	2/11/2021 04:08 T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.33	2/11/2021 04:08 T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.39	2/11/2021 04:08 T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.36	2/11/2021 04:08 T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.32	2/11/2021 04:08 T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.42	2/11/2021 04:08 T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.41	2/11/2021 04:08 T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.38	2/11/2021 04:08 T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.42	2/11/2021 04:08 T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.37	2/11/2021 04:08 T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.39	2/11/2021 04:08 T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.36	2/11/2021 04:08 T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.41	2/11/2021 04:08 T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.56	2/11/2021 04:08 T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.83	2/11/2021 04:08 T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.56	2/11/2021 04:08 T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.29	2/11/2021 04:08 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306006** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **3B2B** Date Collected: 02/08/21 12:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 04:08	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 04:08	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 04:08	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:08	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 04:08	T
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 04:08	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 04:08	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:08	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:08	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:08	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:08	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 04:08	T
1,2-Dichloroethane-d4 (S)	<b>83</b>	%	1		70-128		2/11/2021 04:08	
Toluene-d8 (S)	<b>88</b>	%	1		77-119		2/11/2021 04:08	
Bromofluorobenzene (S)	<b>100</b>	%	1		86-123		2/11/2021 04:08	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 04:08	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 04:08	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 04:08	T
1,2-Dichloroethane-d4 (S)	<b>83</b>	%	1		70-130		2/11/2021 04:08	
Toluene-d8 (S)	<b>88</b>	%	1		70-130		2/11/2021 04:08	
Bromofluorobenzene (S)	<b>100</b>	%	1		70-130		2/11/2021 04:08	

### WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water

Analytical Method: Calculation

Total Nitrogen	<b>0.24</b>	mg/L	1	0.20	0.12	3/16/2021 10:00	T
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Analysis Desc: Unionized Ammonia,DEP SOP,Water

Analytical Method: DEP SOP 10/03/83

Unionized Ammonia	<b>0.0000099</b>	I	mg/L	1	0.020	0.0000078	2/18/2021 11:28	T
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Analysis Desc: Total Phosphorus,E365.4,Analysis

Preparation Method: Copper Sulfate Digestion

Analytical Method: EPA 365.4

Total Phosphorus (as P)	<b>0.16</b>	I	mg/L	1	0.20	0.15	2/23/2021 09:09	T
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Analysis Desc: COD,E410.4,Water

Analytical Method: EPA 410.4

Chemical Oxygen Demand	<b>22</b>	I	mg/L	1	50	20	2/16/2021 08:45	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306006</b>	Date Received:	02/08/21 14:03	Matrix:	Water
Sample ID:	<b>3B2B</b>	Date Collected:	02/08/21 12:50		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	2/18/2021 17:30	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	76		mg/L	1	4.0	4.0	2/22/2021 14:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	220		mg/L	1	10	10	2/11/2021 17:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	2.2		mg/L	1	1.0	1.0	2/12/2021 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	0.094	I	mg/L	1	0.10	0.092	2/9/2021 16:51	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	2.0	U	mg/L	1	2.0	2.0	2/9/2021 14:27	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	12		mg/L	1	2.0	1.0	2/11/2021 23:32	G

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306007** Date Received: 02/08/21 14:03 Matrix: Water  
Sample ID: **Stream-3A Dup** Date Collected: 02/08/21 11:23

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0020	2/18/2021 18:06	T
Iron	<b>0.061</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.10	0.0067	2/18/2021 18:06	T
Zinc	<b>0.050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.050	2/18/2021 18:06	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/19/2021 18:47	J
Arsenic	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:41	J
Barium	<b>0.021</b>		<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:41	J
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 21:20	J
Chromium	<b>0.00070</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:41	J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 21:20	J
Copper	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:41	J
Lead	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:41	J
Nickel	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:41	J
Selenium	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 15:41	J
Silver	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 15:41	J
Thallium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 15:41	J
Vanadium	<b>0.0013</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 15:41	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.00010	0.000028	2/15/2021 16:59	T
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### Microbiology

Analysis Desc: Fecal Coliform Analytical Method: SM 9222D  
MF,SM9222D,Water

Coliform Fecal	<b>40</b>		<b>#/100 mL</b>	<b>10</b>	10	10	2/8/2021 15:35	T
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### VOLATILES

Analysis Desc: 8260B VOCs Analysis, Preparation Method: SW-846 5030B  
Water Analytical Method: SW-846 8260B

1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.47	2/11/2021 04:35	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 04:35	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.20	2/11/2021 04:35	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306007** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A Dup** Date Collected: 02/08/21 11:23

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 04:35	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 04:35	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 04:35	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 04:35	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 04:35	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 04:35	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 04:35	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 04:35	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 04:35	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 04:35	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 04:35	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 04:35	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 04:35	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 04:35	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:35	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 04:35	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 04:35	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 04:35	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 04:35	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 04:35	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 04:35	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 04:35	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:35	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 04:35	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 04:35	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 04:35	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 04:35	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 04:35	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 04:35	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 04:35	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 04:35	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 04:35	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:35	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 04:35	T
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 04:35	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 04:35	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:35	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:35	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 04:35	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 04:35	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306007** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A Dup** Date Collected: 02/08/21 11:23

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	ug/L	<b>1</b>		1.0	0.46	2/11/2021 04:35 T
1,2-Dichloroethane-d4 (S)	<b>86</b>		%	<b>1</b>	70-128			2/11/2021 04:35
Toluene-d8 (S)	<b>90</b>		%	<b>1</b>	77-119			2/11/2021 04:35
Bromofluorobenzene (S)	<b>100</b>		%	<b>1</b>	86-123			2/11/2021 04:35

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.015	2/11/2021 04:35	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	ug/L	<b>1</b>	0.030	0.023	2/11/2021 04:35	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.019	2/11/2021 04:35	T
1,2-Dichloroethane-d4 (S)	<b>86</b>		%	<b>1</b>	70-130			2/11/2021 04:35
Toluene-d8 (S)	<b>90</b>		%	<b>1</b>	70-130			2/11/2021 04:35
Bromofluorobenzene (S)	<b>100</b>		%	<b>1</b>	70-130			2/11/2021 04:35

### VOLATILES

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	<b>0.234</b>		mg/L	<b>1</b>	0.20	0.12	3/16/2021 10:15	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	<b>0.0000024</b>	<b>I</b>	mg/L	<b>1</b>	0.020	0.0000022	2/18/2021 11:29	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	<b>0.15</b>	<b>U</b>	mg/L	<b>1</b>	0.20	0.15	2/23/2021 09:09	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	<b>20</b>	<b>U</b>	mg/L	<b>1</b>	50	20	2/16/2021 08:45	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Corrected Chlorophyll A	<b>3.6</b>		mg/m3	<b>1</b>	3.0	2.5	2/18/2021 17:30	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	<b>64</b>		mg/L	<b>1</b>	4.0	4.0	2/22/2021 14:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>140</b>		mg/L	<b>1</b>	10	10	2/11/2021 17:00	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306007** Date Received: 02/08/21 14:03 Matrix: Water  
 Sample ID: **Stream-3A Dup** Date Collected: 02/08/21 11:23

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: TSS,SM2540D,Water					Analytical Method: SM 2540D			
Total Suspended Solids	1.0	U	mg/L	1		1.0	1.0	2/11/2021 15:30 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water					Analytical Method: SM 4500NO3-F			
Nitrate (as N)	0.092	U	mg/L	1		0.10	0.092	2/9/2021 16:52 T
Analysis Desc: BOD,SM5210B,Water					Analytical Method: SM 5210B			
Biochemical Oxygen Demand	2.0	U	mg/L	1		2.0	2.0	2/9/2021 13:34 T
Analysis Desc: TOC,SM5310B,Water					Analytical Method: SM 5310B			
Total Organic Carbon	9.0		mg/L	1		2.0	1.0	2/11/2021 23:44 G

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306008** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **Trip Blank T2102306008** Date Collected: 02/09/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 05:01	T						
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:01	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 05:01	T						
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:01	T						
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 05:01	T						
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:01	T						
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 05:01	T						
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:01	T						
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 05:01	T						
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:01	T						
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:01	T						
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:01	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:01	T						
Acetone	<b>1.0</b>	I	ug/L	1	2.0	0.90	2/11/2021 05:01	T						
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 05:01	T						
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 05:01	T						
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:01	T						
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:01	T						
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:01	T						
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:01	T						
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:01	T						
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:01	T						
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 05:01	T						
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:01	T						
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 05:01	T						
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:01	T						
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:01	T						
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:01	T						
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 05:01	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 05:01	T						
Methylene Chloride	<b>2.4</b>	V	ug/L	1	1.0	0.56	2/11/2021 05:01	T						
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 05:01	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 05:01	T						
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 05:01	T						
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:01	T						
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:01	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306008** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **Trip Blank T2102306008** Date Collected: 02/09/21 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/11/2021 05:01	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/11/2021 05:01	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/11/2021 05:01	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 05:01	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 05:01	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/11/2021 05:01	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/11/2021 05:01	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/11/2021 05:01	T
1,2-Dichloroethane-d4 (S)	<b>84</b>	%		1	70-128		2/11/2021 05:01	
Toluene-d8 (S)	<b>89</b>	%		1	77-119		2/11/2021 05:01	
Bromofluorobenzene (S)	<b>99</b>	%		1	86-123		2/11/2021 05:01	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/11/2021 05:01	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/11/2021 05:01	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/11/2021 05:01	T
1,2-Dichloroethane-d4 (S)	<b>84</b>	%		1	70-130		2/11/2021 05:01	
Toluene-d8 (S)	<b>89</b>	%		1	70-130		2/11/2021 05:01	
Bromofluorobenzene (S)	<b>99</b>	%		1	70-130		2/11/2021 05:01	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306009** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **Field Blank T2102306009** Date Collected: 02/09/21 08:08

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>METALS</b>														
Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A Analysis,Water Analytical Method: SW-846 6010														
Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/18/2021 18:09	T						
Iron	<b>0.0067</b>	U	mg/L	1	0.10	0.0067	2/18/2021 18:09	T						
Sodium	<b>0.80</b>	U	mg/L	1	1.0	0.80	2/18/2021 18:09	T						
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/18/2021 18:09	T						
Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A Analysis,Total Analytical Method: SW-846 6020														
Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 19:18	J						
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:12	J						
Barium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:12	J						
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 14:44	J						
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:12	J						
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 14:44	J						
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 16:12	J						
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:12	J						
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:12	J						
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:12	J						
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:12	J						
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:12	J						
Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 16:12	J						
Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A Analysis,Water Analytical Method: SW-846 7470A														
Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/15/2021 17:02	T						
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 05:27	T						
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:27	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 05:27	T						
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:27	T						
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 05:27	T						
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:27	T						
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 05:27	T						

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Phone: (813)630-9619  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306009** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **Field Blank T2102306009** Date Collected: 02/09/21 08:08

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:27	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 05:27	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:27	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:27	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:27	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:27	T
Acetone	<b>2.9</b>		ug/L	1	2.0	0.90	2/11/2021 05:27	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 05:27	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 05:27	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:27	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:27	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:27	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:27	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:27	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:27	T
Chlorobenzene	<b>0.43</b>	I	ug/L	1	1.0	0.38	2/11/2021 05:27	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:27	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 05:27	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:27	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:27	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:27	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 05:27	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 05:27	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 05:27	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 05:27	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 05:27	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 05:27	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:27	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:27	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 05:27	T
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 05:27	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 05:27	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:27	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:27	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:27	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:27	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 05:27	T
1,2-Dichloroethane-d4 (S)	<b>84</b>	%	1		70-128		2/11/2021 05:27	
Toluene-d8 (S)	<b>88</b>	%	1		77-119		2/11/2021 05:27	
Bromofluorobenzene (S)	<b>105</b>	%	1		86-123		2/11/2021 05:27	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306009** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **Field Blank T2102306009** Date Collected: 02/09/21 08:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B SIM Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B (SIM)			
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 05:27	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 05:27	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 05:27	T
1,2-Dichloroethane-d4 (S)	<b>84</b>		%	1	70-130		2/11/2021 05:27	
Toluene-d8 (S)	<b>88</b>		%	1	70-130		2/11/2021 05:27	
Bromofluorobenzene (S)	<b>105</b>		%	1	70-130		2/11/2021 05:27	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.015</b>	U	mg/L	1	0.030	0.015	2/18/2021 11:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>10</b>	U	mg/L	1	10	10	2/11/2021 17:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>2.6</b>	U	mg/L	1	5.0	2.6	2/15/2021 13:07	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:26	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306010** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-78** Date Collected: 02/09/21 09:06

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	516	umhos/cm	1				2/9/2021 09:06
Dissolved Oxygen	0.31	mg/L	1				2/9/2021 09:06
ORP-2580BW	-164.1	mV	1				2/9/2021 09:06
Temperature	22.8	°C	1				2/9/2021 09:06
Turbidity	1.15	NTU	1				2/9/2021 09:06
pH	8.18	SU	1				2/9/2021 09:06

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/18/2021 18:12	T
Iron	0.25	U	mg/L	1	0.10	0.0067	2/18/2021 18:12	T
Sodium	37	U	mg/L	1	1.0	0.80	2/18/2021 18:12	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/18/2021 18:12	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 19:24	J
Arsenic	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:17	J
Barium	0.033	U	mg/L	1	0.0020	0.00050	2/16/2021 16:17	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 14:49	J
Chromium	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:17	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 14:49	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:17	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:17	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:17	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:17	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:17	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:17	J
Vanadium	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:17	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/15/2021 17:04	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306010** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-78** Date Collected: 02/09/21 09:06

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 05:54	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:54	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 05:54	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:54	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 05:54	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:54	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 05:54	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:54	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 05:54	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:54	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:54	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:54	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 05:54	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 05:54	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 05:54	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 05:54	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 05:54	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:54	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:54	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:54	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:54	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:54	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 05:54	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 05:54	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 05:54	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:54	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 05:54	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 05:54	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 05:54	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 05:54	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 05:54	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 05:54	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 05:54	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 05:54	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 05:54	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:54	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 05:54	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306010** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-78** Date Collected: 02/09/21 09:06

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 05:54 T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 05:54 T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:54 T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:54 T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 05:54 T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 05:54 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 05:54 T
1,2-Dichloroethane-d4 (S)	<b>87</b>	%		1	70-128		2/11/2021 05:54
Toluene-d8 (S)	<b>85</b>	%		1	77-119		2/11/2021 05:54
Bromofluorobenzene (S)	<b>101</b>	%		1	86-123		2/11/2021 05:54

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 05:54 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 05:54 T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 05:54 T
1,2-Dichloroethane-d4 (S)	<b>87</b>	%		1	70-130		2/11/2021 05:54
Toluene-d8 (S)	<b>85</b>	%		1	70-130		2/11/2021 05:54
Bromofluorobenzene (S)	<b>101</b>	%		1	70-130		2/11/2021 05:54

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.56</b>		mg/L	1	0.030	0.015	2/18/2021 12:12 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>320</b>		mg/L	1	10	10	2/11/2021 17:00 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>30</b>		mg/L	1	5.0	2.6	2/15/2021 13:19 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.28</b>		mg/L	1	0.10	0.092	2/10/2021 12:28 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306011** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-40** Date Collected: 02/09/21 09:48

Sample Description:	Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements
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Conductivity	394	umhos/cm	1	2/9/2021 09:48
Dissolved Oxygen	1.07	mg/L	1	2/9/2021 09:48
ORP-2580BW	-83.9	mV	1	2/9/2021 09:48
Temperature	23.6	°C	1	2/9/2021 09:48
Turbidity	0.37	NTU	1	2/9/2021 09:48
pH	7.48	SU	1	2/9/2021 09:48

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/18/2021 18:21	T
Iron	0.018	I	mg/L	1	0.10	0.0067	2/18/2021 18:21	T
Sodium	21		mg/L	1	1.0	0.80	2/18/2021 18:21	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/19/2021 13:03	T

Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 19:29	J
Arsenic	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:33	J
Barium	0.0058		mg/L	1	0.0020	0.00050	2/16/2021 16:33	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 14:55	J
Chromium	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:33	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 14:55	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:33	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:33	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:33	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:33	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:33	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:33	J
Vanadium	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:33	J

Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A
	Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/15/2021 17:07	T
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### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306011** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-40** Date Collected: 02/09/21 09:48

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 06:20	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:20	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 06:20	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:20	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 06:20	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:20	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 06:20	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:20	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 06:20	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:20	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 06:20	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:20	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:20	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 06:20	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 06:20	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 06:20	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 06:20	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:20	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:20	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 06:20	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:20	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:20	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 06:20	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:20	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 06:20	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:20	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:20	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:20	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 06:20	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 06:20	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 06:20	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 06:20	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 06:20	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 06:20	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 06:20	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:20	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 06:20	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306011** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-40** Date Collected: 02/09/21 09:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 06:20	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 06:20	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:20	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:20	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:20	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:20	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 06:20	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-128		2/11/2021 06:20	
Toluene-d8 (S)	<b>88</b>	%		1	77-119		2/11/2021 06:20	
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/11/2021 06:20	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 06:20	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 06:20	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 06:20	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-130		2/11/2021 06:20	
Toluene-d8 (S)	<b>88</b>	%		1	70-130		2/11/2021 06:20	
Bromofluorobenzene (S)	<b>102</b>	%		1	70-130		2/11/2021 06:20	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.49</b>		mg/L	1	0.030	0.015	2/18/2021 11:55	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>220</b>		mg/L	1	10	10	2/11/2021 17:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>16</b>		mg/L	1	5.0	2.6	2/15/2021 13:20	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:30	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306012** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-22A** Date Collected: 02/09/21 10:23

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>167.8</b>	umhos/cm	1				2/9/2021 10:23
Dissolved Oxygen	<b>4.63</b>	mg/L	1				2/9/2021 10:23
ORP-2580BW	<b>130.4</b>	mV	1				2/9/2021 10:23
Temperature	<b>21.1</b>	°C	1				2/9/2021 10:23
Turbidity	<b>1.15</b>	NTU	1				2/9/2021 10:23
pH	<b>4.44</b>	SU	1				2/9/2021 10:23

### **VOLATILES**

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 21:48	T
Iron	<b>0.27</b>	U	mg/L	1	0.10	0.0067	2/22/2021 21:48	T
Sodium	<b>3.4</b>	U	mg/L	1	1.0	0.80	2/22/2021 21:48	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 21:48	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 19:44	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:38	J
Barium	<b>0.030</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:38	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:00	J
Chromium	<b>0.00064</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 16:38	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:00	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 16:38	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:38	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:38	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:38	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:38	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:38	J
Vanadium	<b>0.0014</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 16:38	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/15/2021 17:10	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306012</b>	Date Received:	02/09/21 15:15	Matrix:	Water
Sample ID:	<b>TH-22A</b>	Date Collected:	02/09/21 10:23		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab					
					PQL	MDL						
<b>Analysis Desc: 8260B SIM Analysis, Water</b>												
<b>Preparation Method: SW-846 5030B</b>												
<b>Analytical Method: SW-846 8260B (SIM)</b>												
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 06:46					
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 06:46					
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 06:46					
1,2-Dichloroethane-d4 (S)	<b>87</b>	%	1	70-130		2/11/2021 06:46						
Toluene-d8 (S)	<b>88</b>	%	1	70-130		2/11/2021 06:46						
Bromofluorobenzene (S)	<b>101</b>	%	1	70-130		2/11/2021 06:46						

### VOLATILES

<b>Analysis Desc: 8260B VOCs Analysis, Water</b>							
<b>Preparation Method: SW-846 5030B</b>							
<b>Analytical Method: SW-846 8260B</b>							
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 06:46
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:46
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 06:46
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:46
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 06:46
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:46
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 06:46
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:46
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 06:46
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:46
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 06:46
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:46
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 06:46
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 06:46
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 06:46
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 06:46
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 06:46
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:46
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:46
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 06:46
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:46
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:46
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 06:46
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 06:46
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 06:46
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:46
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 06:46

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306012</b>	Date Received:	02/09/21 15:15	Matrix:	Water
Sample ID:	<b>TH-22A</b>	Date Collected:	02/09/21 10:23		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 06:46
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 06:46
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 06:46
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 06:46
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 06:46
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 06:46
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 06:46
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 06:46
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:46
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 06:46
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 06:46
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 06:46
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:46
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:46
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 06:46
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 06:46
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 06:46
1,2-Dichloroethane-d4 (S)	<b>87</b>	%		1	70-128		2/11/2021 06:46
Toluene-d8 (S)	<b>88</b>	%		1	77-119		2/11/2021 06:46
Bromofluorobenzene (S)	<b>101</b>	%		1	86-123		2/11/2021 06:46

### WET CHEMISTRY

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1					
Ammonia (N)	<b>0.30</b>	mg/L	1	0.030	0.015	2/18/2021 11:56
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C					
Total Dissolved Solids	<b>180</b>	mg/L	1	10	10	2/11/2021 17:00
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E					
Chloride	<b>8.9</b>	mg/L	1	5.0	2.6	2/15/2021 13:21
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F					
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092
						2/10/2021 12:31
						T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306013** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-36A** Date Collected: 02/09/21 11:06

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	224	umhos/cm	1	2/9/2021 11:06
Dissolved Oxygen	0.88	mg/L	1	2/9/2021 11:06
ORP-2580BW	135.3	mV	1	2/9/2021 11:06
Temperature	25.4	°C	1	2/9/2021 11:06
Turbidity	7.18	NTU	1	2/9/2021 11:06
pH	5.68	SU	1	2/9/2021 11:06

### **METALS**

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/22/2021 22:02	T
Iron	0.047	I	mg/L	1	0.10	0.0067	2/22/2021 22:02	T
Sodium	4.7		mg/L	1	1.0	0.80	2/22/2021 22:02	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/22/2021 22:02	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 19:50	J
Arsenic	0.00060	I	mg/L	1	0.0010	0.00025	2/16/2021 16:43	J
Barium	0.0049		mg/L	1	0.0020	0.00050	2/16/2021 16:43	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 15:05	J
Chromium	0.00074	I	mg/L	1	0.0020	0.00050	2/16/2021 16:43	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 15:05	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:43	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:43	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:43	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:43	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:43	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:43	J
Vanadium	0.017		mg/L	1	0.0040	0.0010	2/16/2021 16:43	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/15/2021 17:12	T
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### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306013** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-36A** Date Collected: 02/09/21 11:06

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 07:13	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:13	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 07:13	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:13	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 07:13	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:13	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 07:13	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:13	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 07:13	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:13	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 07:13	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:13	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:13	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 07:13	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 07:13	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 07:13	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 07:13	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:13	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:13	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 07:13	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:13	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:13	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 07:13	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:13	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 07:13	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:13	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:13	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:13	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 07:13	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 07:13	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 07:13	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 07:13	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 07:13	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 07:13	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 07:13	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:13	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 07:13	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306013** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-36A** Date Collected: 02/09/21 11:06

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 07:13	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 07:13	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:13	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:13	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:13	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:13	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 07:13	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-128		2/11/2021 07:13	
Toluene-d8 (S)	<b>86</b>	%		1	77-119		2/11/2021 07:13	
Bromofluorobenzene (S)	<b>105</b>	%		1	86-123		2/11/2021 07:13	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 07:13	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 07:13	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 07:13	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-130		2/11/2021 07:13	
Toluene-d8 (S)	<b>86</b>	%		1	70-130		2/11/2021 07:13	
Bromofluorobenzene (S)	<b>105</b>	%		1	70-130		2/11/2021 07:13	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.015</b>	U	mg/L	1	0.030	0.015	2/18/2021 11:57	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>160</b>		mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>6.3</b>		mg/L	1	5.0	2.6	2/15/2021 13:21	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:32	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306014** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-57** Date Collected: 02/09/21 11:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>300.1</b>		umhos/cm	1			2/9/2021 11:34
Dissolved Oxygen	<b>4.62</b>		mg/L	1			2/9/2021 11:34
ORP-2580BW	<b>-2.1</b>	T	mV	1			2/9/2021 11:34
Temperature	<b>28.2</b>		°C	1			2/9/2021 11:34
Turbidity	<b>1.45</b>		NTU	1			2/9/2021 11:34
pH	<b>5.06</b>		SU	1			2/9/2021 11:34

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 22:05	T
Iron	<b>0.73</b>		mg/L	1	0.10	0.0067	2/22/2021 22:05	T
Sodium	<b>22</b>		mg/L	1	1.0	0.80	2/22/2021 22:05	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 22:05	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 19:55	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:49	J
Barium	<b>0.0073</b>		mg/L	1	0.0020	0.00050	2/16/2021 16:49	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:10	J
Chromium	<b>0.00085</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 16:49	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:10	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 16:49	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:49	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:49	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 16:49	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 16:49	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 16:49	J
Vanadium	<b>0.0011</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 16:49	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/15/2021 17:15	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306014** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-57** Date Collected: 02/09/21 11:34

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 07:39	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:39	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 07:39	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:39	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 07:39	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:39	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 07:39	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:39	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 07:39	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:39	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 07:39	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:39	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 07:39	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 07:39	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 07:39	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 07:39	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 07:39	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:39	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:39	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 07:39	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:39	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:39	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 07:39	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 07:39	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 07:39	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:39	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 07:39	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 07:39	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 07:39	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 07:39	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 07:39	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 07:39	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 07:39	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 07:39	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 07:39	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:39	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 07:39	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306014** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-57** Date Collected: 02/09/21 11:34

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 07:39 T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 07:39 T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:39 T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:39 T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 07:39 T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 07:39 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 07:39 T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-128		2/11/2021 07:39
Toluene-d8 (S)	<b>89</b>	%		1	77-119		2/11/2021 07:39
Bromofluorobenzene (S)	<b>100</b>	%		1	86-123		2/11/2021 07:39

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 07:39 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 07:39 T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 07:39 T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-130		2/11/2021 07:39
Toluene-d8 (S)	<b>89</b>	%		1	70-130		2/11/2021 07:39
Bromofluorobenzene (S)	<b>100</b>	%		1	70-130		2/11/2021 07:39

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>1.8</b>		mg/L	1	0.030	0.015	2/18/2021 11:57 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>160</b>		mg/L	1	10	10	2/12/2021 10:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>66</b>		mg/L	1	5.0	2.6	2/15/2021 13:22 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:32 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306015** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-28A** Date Collected: 02/09/21 12:02

Sample Description:	Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements
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Conductivity	321.1	umhos/cm	1	2/9/2021 12:02
Dissolved Oxygen	3.35	mg/L	1	2/9/2021 12:02
ORP-2580BW	15.1	mV	1	2/9/2021 12:02
Temperature	27.7	°C	1	2/9/2021 12:02
Turbidity	6.15	NTU	1	2/9/2021 12:02
pH	4.99	SU	1	2/9/2021 12:02

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/22/2021 22:08	T
Iron	4.0		mg/L	1	0.10	0.0067	2/22/2021 22:08	T
Sodium	23		mg/L	1	1.0	0.80	2/22/2021 22:08	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/22/2021 22:08	T

Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 20:00	J
Arsenic	0.0015		mg/L	1	0.0010	0.00025	2/16/2021 16:54	J
Barium	0.0018	I	mg/L	1	0.0020	0.00050	2/16/2021 16:54	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 15:15	J
Chromium	0.0013	I	mg/L	1	0.0020	0.00050	2/16/2021 16:54	J
Cobalt	0.00038	I	mg/L	1	0.0010	0.00025	2/22/2021 15:15	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 16:54	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:54	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:54	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 16:54	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 16:54	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 16:54	J
Vanadium	0.0017	I	mg/L	1	0.0040	0.0010	2/16/2021 16:54	J

Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A
	Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/15/2021 17:18	T
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### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306015** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-28A** Date Collected: 02/09/21 12:02

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 08:05	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:05	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 08:05	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:05	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 08:05	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:05	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 08:05	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:05	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 08:05	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:05	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 08:05	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:05	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:05	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 08:05	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 08:05	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 08:05	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 08:05	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:05	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:05	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 08:05	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:05	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:05	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 08:05	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:05	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 08:05	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:05	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:05	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:05	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 08:05	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 08:05	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 08:05	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 08:05	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 08:05	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 08:05	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 08:05	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:05	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 08:05	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306015** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-28A** Date Collected: 02/09/21 12:02

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 08:05 T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 08:05 T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:05 T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:05 T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:05 T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:05 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 08:05 T
1,2-Dichloroethane-d4 (S)	<b>88</b>	%		1	70-128		2/11/2021 08:05
Toluene-d8 (S)	<b>87</b>	%		1	77-119		2/11/2021 08:05
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/11/2021 08:05

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 08:05 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 08:05 T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 08:05 T
1,2-Dichloroethane-d4 (S)	<b>88</b>	%		1	70-130		2/11/2021 08:05
Toluene-d8 (S)	<b>87</b>	%		1	70-130		2/11/2021 08:05
Bromofluorobenzene (S)	<b>102</b>	%		1	70-130		2/11/2021 08:05

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>2.6</b>		mg/L	1	0.030	0.015	2/18/2021 15:15 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>200</b>		mg/L	1	10	10	2/12/2021 10:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>61</b>		mg/L	1	5.0	2.6	2/15/2021 13:23 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:33 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306016** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-58** Date Collected: 02/09/21 12:41

Sample Description:	Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements
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Conductivity	<b>648</b>	umhos/cm	<b>1</b>			2/9/2021 12:41
Dissolved Oxygen	<b>2.61</b>	mg/L	<b>1</b>			2/9/2021 12:41
ORP-2580BW	<b>37</b>	mV	<b>1</b>			2/9/2021 12:41
Temperature	<b>27.3</b>	°C	<b>1</b>			2/9/2021 12:41
Turbidity	<b>1.41</b>	NTU	<b>1</b>			2/9/2021 12:41
pH	<b>5.55</b>	SU	<b>1</b>			2/9/2021 12:41

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	<b>1</b>	0.010	0.0020	2/22/2021 22:11	T
Iron	<b>2.0</b>		mg/L	<b>1</b>	0.10	0.0067	2/22/2021 22:11	T
Sodium	<b>25</b>		mg/L	<b>1</b>	1.0	0.80	2/22/2021 22:11	T
Zinc	<b>0.050</b>	U	mg/L	<b>1</b>	0.10	0.050	2/22/2021 22:11	T

Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	<b>1</b>	0.0040	0.0010	2/19/2021 20:05	J
Arsenic	<b>0.016</b>		mg/L	<b>1</b>	0.0010	0.00025	2/16/2021 16:59	J
Barium	<b>0.029</b>		mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 16:59	J
Cadmium	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/22/2021 15:20	J
Chromium	<b>0.0012</b>	I	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 16:59	J
Cobalt	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/22/2021 15:20	J
Copper	<b>0.0010</b>	U	mg/L	<b>1</b>	0.0040	0.0010	2/16/2021 16:59	J
Lead	<b>0.00050</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 16:59	J
Nickel	<b>0.0012</b>	U	mg/L	<b>1</b>	0.0050	0.0012	2/16/2021 16:59	J
Selenium	<b>0.0021</b>	I	mg/L	<b>1</b>	0.0050	0.0012	2/16/2021 16:59	J
Silver	<b>0.00050</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 16:59	J
Thallium	<b>0.00042</b>	I	mg/L	<b>1</b>	0.0010	0.00025	2/16/2021 16:59	J
Vanadium	<b>0.0084</b>		mg/L	<b>1</b>	0.0040	0.0010	2/16/2021 16:59	J

Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A
	Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	<b>1</b>	0.00010	0.000028	2/15/2021 17:21	T
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### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306016** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-58** Date Collected: 02/09/21 12:41

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/11/2021 08:32	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/11/2021 08:32	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/11/2021 08:32	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/11/2021 08:32	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/11/2021 08:32	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/11/2021 08:32	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/11/2021 08:32	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/11/2021 08:32	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/11/2021 08:32	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/11/2021 08:32	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/11/2021 08:32	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/11/2021 08:32	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/11/2021 08:32	T
Acetone	<b>1.7</b>	<b>I</b>	ug/L	<b>1</b>	2.0	0.90	2/11/2021 08:32	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/11/2021 08:32	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/11/2021 08:32	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/11/2021 08:32	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/11/2021 08:32	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/11/2021 08:32	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/11/2021 08:32	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/11/2021 08:32	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/11/2021 08:32	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/11/2021 08:32	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/11/2021 08:32	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/11/2021 08:32	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/11/2021 08:32	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/11/2021 08:32	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/11/2021 08:32	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/11/2021 08:32	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/11/2021 08:32	T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/11/2021 08:32	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/11/2021 08:32	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/11/2021 08:32	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/11/2021 08:32	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/11/2021 08:32	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/11/2021 08:32	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/11/2021 08:32	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306016** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-58** Date Collected: 02/09/21 12:41

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 08:32 T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 08:32 T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:32 T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:32 T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:32 T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:32 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 08:32 T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-128		2/11/2021 08:32
Toluene-d8 (S)	<b>88</b>	%		1	77-119		2/11/2021 08:32
Bromofluorobenzene (S)	<b>105</b>	%		1	86-123		2/11/2021 08:32

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 08:32 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 08:32 T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 08:32 T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%		1	70-130		2/11/2021 08:32
Toluene-d8 (S)	<b>88</b>	%		1	70-130		2/11/2021 08:32
Bromofluorobenzene (S)	<b>105</b>	%		1	70-130		2/11/2021 08:32

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.67</b>		mg/L	1	0.030	0.015	2/18/2021 10:37 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>440</b>		mg/L	1	10	10	2/12/2021 10:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>130</b>	J4	mg/L	2	10	5.2	2/15/2021 14:19 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.97</b>		mg/L	1	0.10	0.092	2/10/2021 12:34 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306017** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-67** Date Collected: 02/09/21 13:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>459.7</b>		umhos/cm	1			2/9/2021 13:22
Dissolved Oxygen	<b>4.09</b>		mg/L	1			2/9/2021 13:22
ORP-2580BW	<b>-33.8</b>	T	mV	1			2/9/2021 13:22
Temperature	<b>23</b>		°C	1			2/9/2021 13:22
Turbidity	<b>3.48</b>		NTU	1			2/9/2021 13:22
pH	<b>6.11</b>		SU	1			2/9/2021 13:22

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 22:14	T
Iron	<b>5.6</b>		mg/L	1	0.10	0.0067	2/22/2021 22:14	T
Sodium	<b>25</b>		mg/L	1	1.0	0.80	2/22/2021 22:14	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 22:14	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 20:11	J
Arsenic	<b>0.00042</b>	I	mg/L	1	0.0010	0.00025	2/16/2021 17:04	J
Barium	<b>0.0035</b>		mg/L	1	0.0020	0.00050	2/16/2021 17:04	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:26	J
Chromium	<b>0.00051</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 17:04	J
Cobalt	<b>0.00079</b>	I	mg/L	1	0.0010	0.00025	2/22/2021 15:26	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 17:04	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:04	J
Nickel	<b>0.0030</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 17:04	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 17:04	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:04	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 17:04	J
Vanadium	<b>0.0027</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 17:04	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:17	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306017** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-67** Date Collected: 02/09/21 13:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 08:58	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:58	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 08:58	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:58	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 08:58	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:58	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 08:58	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:58	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 08:58	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:58	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 08:58	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:58	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 08:58	T
Acetone	<b>1.0</b>	I	ug/L	1	2.0	0.90	2/11/2021 08:58	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 08:58	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 08:58	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 08:58	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:58	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:58	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 08:58	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:58	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:58	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 08:58	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 08:58	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 08:58	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:58	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 08:58	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 08:58	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 08:58	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 08:58	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 08:58	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 08:58	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 08:58	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 08:58	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 08:58	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:58	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 08:58	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306017** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-67** Date Collected: 02/09/21 13:22

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 08:58 T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 08:58 T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:58 T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:58 T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 08:58 T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 08:58 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 08:58 T
1,2-Dichloroethane-d4 (S)	<b>89</b>	%		1	70-128		2/11/2021 08:58
Toluene-d8 (S)	<b>85</b>	%		1	77-119		2/11/2021 08:58
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/11/2021 08:58

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 08:58 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 08:58 T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 08:58 T
1,2-Dichloroethane-d4 (S)	<b>89</b>	%		1	70-130		2/11/2021 08:58
Toluene-d8 (S)	<b>85</b>	%		1	70-130		2/11/2021 08:58
Bromofluorobenzene (S)	<b>102</b>	%		1	70-130		2/11/2021 08:58

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>2.0</b>	mg/L	1	0.030	0.015	2/18/2021 10:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>240</b>	mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>40</b>	I	mg/L	10	50	26	2/15/2021 13:54 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.43</b>	mg/L	1	0.10	0.092	2/10/2021 12:40	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306019** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-66A** Date Collected: 02/09/21 13:48

Sample Description:	Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements				Analytical Method: Field Measurements				
Conductivity	<b>219.2</b>		umhos/cm	1				2/9/2021 13:48
Dissolved Oxygen	<b>0.79</b>		mg/L	1				2/9/2021 13:48
ORP-2580BW	<b>74.6</b>		mV	1				2/9/2021 13:48
Temperature	<b>24.4</b>		°C	1				2/9/2021 13:48
Turbidity	<b>15.5</b>		NTU	1				2/9/2021 13:48
pH	<b>5.91</b>		SU	1				2/9/2021 13:48

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water				Preparation Method: SW-846 3010A Analytical Method: SW-846 6010				
Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 22:17	T
Iron	<b>0.19</b>		mg/L	1	0.10	0.0067	2/22/2021 22:17	T
Sodium	<b>4.7</b>		mg/L	1	1.0	0.80	2/22/2021 22:17	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 22:17	T

Analysis Desc: SW846 6020B Analysis,Total				Preparation Method: SW-846 3010A Analytical Method: SW-846 6020				
Antimony	<b>0.016</b>		mg/L	1	0.0040	0.0010	2/26/2021 22:25	J
Arsenic	<b>0.0079</b>		mg/L	1	0.0010	0.00025	2/16/2021 17:09	J
Barium	<b>0.011</b>		mg/L	1	0.0020	0.00050	2/16/2021 17:09	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:51	J
Chromium	<b>0.0015</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 17:09	J
Cobalt	<b>0.00048</b>	I	mg/L	1	0.0010	0.00025	2/22/2021 15:51	J
Copper	<b>0.0052</b>		mg/L	1	0.0040	0.0010	2/16/2021 17:09	J
Lead	<b>0.0026</b>		mg/L	1	0.0020	0.00050	2/16/2021 17:09	J
Nickel	<b>0.0036</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 17:09	J
Selenium	<b>0.0035</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 17:09	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:09	J
Thallium	<b>0.0012</b>		mg/L	1	0.0010	0.00025	2/16/2021 17:09	J
Vanadium	<b>0.11</b>		mg/L	1	0.0040	0.0010	2/16/2021 17:09	J

Analysis Desc: SW846 7470A Analysis,Water				Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A				
Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:19	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306019** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-66A** Date Collected: 02/09/21 13:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 09:24	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:24	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 09:24	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:24	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 09:24	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:24	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 09:24	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:24	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 09:24	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:24	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 09:24	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:24	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:24	T
Acetone	<b>1.7</b>	I	ug/L	1	2.0	0.90	2/11/2021 09:24	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 09:24	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 09:24	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 09:24	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:24	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:24	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 09:24	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:24	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:24	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 09:24	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:24	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 09:24	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:24	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:24	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:24	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 09:24	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 09:24	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 09:24	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 09:24	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 09:24	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 09:24	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 09:24	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:24	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 09:24	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306019** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-66A** Date Collected: 02/09/21 13:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 09:24	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 09:24	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:24	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:24	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:24	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:24	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 09:24	T
1,2-Dichloroethane-d4 (S)	<b>88</b>	%		1	70-128		2/11/2021 09:24	
Toluene-d8 (S)	<b>87</b>	%		1	77-119		2/11/2021 09:24	
Bromofluorobenzene (S)	<b>106</b>	%		1	86-123		2/11/2021 09:24	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 09:24	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 09:24	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 09:24	T
1,2-Dichloroethane-d4 (S)	<b>88</b>	%		1	70-130		2/11/2021 09:24	
Toluene-d8 (S)	<b>87</b>	%		1	70-130		2/11/2021 09:24	
Bromofluorobenzene (S)	<b>106</b>	%		1	70-130		2/11/2021 09:24	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.11</b>	mg/L	1	0.030	0.015	2/18/2021 10:40	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>140</b>	mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>15</b>	mg/L	2	10	5.2	2/15/2021 13:55	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.11</b>	mg/L	1	0.10	0.092	2/10/2021 12:41	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306020** Date Received: 02/09/21 15:15 Matrix: Water  
Sample ID: **TH-66** Date Collected: 02/09/21 14:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>198.6</b>		umhos/cm	1			2/9/2021 14:15
Dissolved Oxygen	<b>1.37</b>		mg/L	1			2/9/2021 14:15
ORP-2580BW	<b>36.9</b>		mV	1			2/9/2021 14:15
Temperature	<b>24.1</b>		°C	1			2/9/2021 14:15
Turbidity	<b>2.64</b>		NTU	1			2/9/2021 14:15
pH	<b>5.78</b>		SU	1			2/9/2021 14:15

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 22:20	T
Iron	<b>2.1</b>		mg/L	1	0.10	0.0067	2/22/2021 22:20	T
Sodium	<b>4.6</b>		mg/L	1	1.0	0.80	2/22/2021 22:20	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 22:20	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 20:21	J
Arsenic	<b>0.0029</b>		mg/L	1	0.0010	0.00025	2/16/2021 17:15	J
Barium	<b>0.0015</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 17:15	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:57	J
Chromium	<b>0.0010</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 17:15	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 15:57	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 17:15	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:15	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 17:15	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 17:15	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:15	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 17:15	J
Vanadium	<b>0.0016</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 17:15	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:22	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306020** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-66** Date Collected: 02/09/21 14:15

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/11/2021 09:51	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:51	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/11/2021 09:51	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:51	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 09:51	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:51	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 09:51	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:51	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/11/2021 09:51	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:51	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 09:51	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:51	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/11/2021 09:51	T
Acetone	<b>0.90</b>	U	ug/L	1	2.0	0.90	2/11/2021 09:51	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/11/2021 09:51	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/11/2021 09:51	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/11/2021 09:51	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:51	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:51	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 09:51	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:51	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:51	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/11/2021 09:51	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/11/2021 09:51	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 09:51	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:51	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/11/2021 09:51	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/11/2021 09:51	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 09:51	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/11/2021 09:51	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/11/2021 09:51	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/11/2021 09:51	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/11/2021 09:51	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/11/2021 09:51	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/11/2021 09:51	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:51	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/11/2021 09:51	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306020** Date Received: 02/09/21 15:15 Matrix: Water  
 Sample ID: **TH-66** Date Collected: 02/09/21 14:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/11/2021 09:51	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/11/2021 09:51	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:51	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:51	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/11/2021 09:51	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/11/2021 09:51	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/11/2021 09:51	T
1,2-Dichloroethane-d4 (S)	<b>89</b>	%		1	70-128		2/11/2021 09:51	
Toluene-d8 (S)	<b>91</b>	%		1	77-119		2/11/2021 09:51	
Bromofluorobenzene (S)	<b>100</b>	%		1	86-123		2/11/2021 09:51	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/11/2021 09:51	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/11/2021 09:51	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/11/2021 09:51	T
1,2-Dichloroethane-d4 (S)	<b>89</b>	%		1	70-130		2/11/2021 09:51	
Toluene-d8 (S)	<b>91</b>	%		1	70-130		2/11/2021 09:51	
Bromofluorobenzene (S)	<b>100</b>	%		1	70-130		2/11/2021 09:51	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.39</b>		mg/L	1	0.030	0.015	2/18/2021 10:41	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>88</b>		mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>6.2</b>		mg/L	1	5.0	2.6	2/15/2021 13:56	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/10/2021 12:41	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306021** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **Trip Blank T2102306021** Date Collected: 02/10/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.47	2/20/2021 03:27	T						
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 03:27	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.20	2/20/2021 03:27	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 03:27	T						
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 03:27	T						
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 03:27	T						
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 03:27	T						
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 03:27	T						
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.18	2/20/2021 03:27	T						
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 03:27	T						
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 03:27	T						
2-Hexanone	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 03:27	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 03:27	T						
Acetone	<b>4.0</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	2.0	0.90	2/20/2021 03:27	T						
Acrylonitrile	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	0.38	2/20/2021 03:27	T						
Benzene	<b>0.28</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.28	2/20/2021 03:27	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 03:27	T						
Bromodichloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 03:27	T						
Bromoform	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 03:27	T						
Bromomethane	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 03:27	T						
Carbon Disulfide	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 03:27	T						
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 03:27	T						
Chlorobenzene	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 03:27	T						
Chloroethane	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 03:27	T						
Chloroform	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/20/2021 03:27	T						
Chloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 03:27	T						
Dibromochloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 03:27	T						
Dibromomethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 03:27	T						
Ethylbenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 03:27	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.83	2/20/2021 03:27	T						
Methylene Chloride	<b>4.4</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 03:27	T						
Styrene	<b>0.29</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.29	2/20/2021 03:27	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.45	2/20/2021 03:27	T						
Toluene	<b>0.66</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.66	2/20/2021 03:27	T						
Trichloroethene	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 03:27	T						
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 03:27	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306021** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **Trip Blank T2102306021** Date Collected: 02/10/21 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/20/2021 03:27	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 03:27	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 03:27	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 03:27	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 03:27	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 03:27	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 03:27	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 03:27	T
1,2-Dichloroethane-d4 (S)	<b>127</b>		%	<b>1</b>	70-128		2/20/2021 03:27	
Toluene-d8 (S)	<b>95</b>		%	<b>1</b>	77-119		2/20/2021 03:27	
Bromofluorobenzene (S)	<b>103</b>		%	<b>1</b>	86-123		2/20/2021 03:27	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 03:27	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 03:27	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 03:27	T
1,2-Dichloroethane-d4 (S)	<b>116</b>		%	<b>1</b>	70-130		2/20/2021 03:27	
Toluene-d8 (S)	<b>76</b>		%	<b>1</b>	70-130		2/20/2021 03:27	
Bromofluorobenzene (S)	<b>91</b>		%	<b>1</b>	70-130		2/20/2021 03:27	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306022** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **TH-65** Date Collected: 02/10/21 09:41

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>181.7</b>		umhos/cm	1			2/10/2021 09:41
Dissolved Oxygen	<b>1.06</b>		mg/L	1			2/10/2021 09:41
ORP-2580BW	<b>-9.3</b>		mV	1			2/10/2021 09:41
Temperature	<b>24.2</b>		°C	1			2/10/2021 09:41
Turbidity	<b>0.93</b>		NTU	1			2/10/2021 09:41
pH	<b>5.4</b>		SU	1			2/10/2021 09:41

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 23:03	T
Iron	<b>1.6</b>		mg/L	1	0.10	0.0067	2/22/2021 23:03	T
Sodium	<b>9.7</b>		mg/L	1	1.0	0.80	2/22/2021 23:03	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 23:03	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 20:47	J
Arsenic	<b>0.013</b>		mg/L	1	0.0010	0.00025	2/16/2021 17:41	J
Barium	<b>0.00086</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 17:41	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:12	J
Chromium	<b>0.0020</b>		mg/L	1	0.0020	0.00050	2/16/2021 17:41	J
Cobalt	<b>0.00087</b>	I	mg/L	1	0.0010	0.00025	2/22/2021 16:12	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 17:41	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:41	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 17:41	J
Selenium	<b>0.0015</b>	I,J4	mg/L	1	0.0050	0.0012	2/16/2021 17:41	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 17:41	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 17:41	J
Vanadium	<b>0.0047</b>		mg/L	1	0.0040	0.0010	2/16/2021 17:41	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:25	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306022** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-65** Date Collected: 02/10/21 09:41

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 03:53	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 03:53	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 03:53	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 03:53	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 03:53	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 03:53	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 03:53	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 03:53	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 03:53	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 03:53	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 03:53	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 03:53	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 03:53	T
Acetone	<b>3.8</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 03:53	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 03:53	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 03:53	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 03:53	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 03:53	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 03:53	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 03:53	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 03:53	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 03:53	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 03:53	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 03:53	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 03:53	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 03:53	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 03:53	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 03:53	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 03:53	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 03:53	T
Methylene Chloride	<b>0.56</b>	<b>U,J4</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 03:53	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 03:53	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 03:53	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 03:53	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 03:53	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 03:53	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 03:53	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306022** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-65** Date Collected: 02/10/21 09:41

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 03:53	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 03:53	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 03:53	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 03:53	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 03:53	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 03:53	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 03:53	T
1,2-Dichloroethane-d4 (S)	<b>126</b>	%		1	70-128		2/20/2021 03:53	
Toluene-d8 (S)	<b>94</b>	%		1	77-119		2/20/2021 03:53	
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/20/2021 03:53	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 03:53	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 03:53	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 03:53	T
1,2-Dichloroethane-d4 (S)	<b>115</b>	%		1	70-130		2/20/2021 03:53	
Toluene-d8 (S)	<b>75</b>	%		1	70-130		2/20/2021 03:53	
Bromofluorobenzene (S)	<b>81</b>	%		1	70-130		2/20/2021 03:53	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.78</b>		mg/L	1	0.030	0.015	2/18/2021 14:16	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>110</b>		mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>18</b>		mg/L	1	5.0	2.6	2/22/2021 13:37	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/11/2021 08:44	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306023** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **TH-61A** Date Collected: 02/10/21 10:16

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>295.7</b>		umhos/cm	1			2/10/2021 10:16
Dissolved Oxygen	<b>0.48</b>		mg/L	1			2/10/2021 10:16
ORP-2580BW	<b>-0.9</b>		mV	1			2/10/2021 10:16
Temperature	<b>25.5</b>		°C	1			2/10/2021 10:16
Turbidity	<b>1.63</b>		NTU	1			2/10/2021 10:16
pH	<b>5.6</b>		SU	1			2/10/2021 10:16

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	<b>U</b>	mg/L	1	0.010	0.0020	2/22/2021 23:12	T
Iron	<b>0.095</b>	<b>I</b>	mg/L	1	0.10	0.0067	2/22/2021 23:12	T
Sodium	<b>4.0</b>		mg/L	1	1.0	0.80	2/22/2021 23:12	T
Zinc	<b>0.050</b>	<b>U</b>	mg/L	1	0.10	0.050	2/22/2021 23:12	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0026</b>	<b>I</b>	mg/L	1	0.0040	0.0010	3/1/2021 11:53	J
Arsenic	<b>0.00035</b>	<b>I</b>	mg/L	1	0.0010	0.00025	2/16/2021 18:07	J
Barium	<b>0.0051</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:07	J
Cadmium	<b>0.00025</b>	<b>U</b>	mg/L	1	0.0010	0.00025	2/22/2021 16:28	J
Chromium	<b>0.00084</b>	<b>I</b>	mg/L	1	0.0020	0.00050	2/16/2021 18:07	J
Cobalt	<b>0.00025</b>	<b>U</b>	mg/L	1	0.0010	0.00025	2/22/2021 16:28	J
Copper	<b>0.0010</b>	<b>I</b>	mg/L	1	0.0040	0.0010	2/16/2021 18:07	J
Lead	<b>0.00050</b>	<b>U</b>	mg/L	1	0.0020	0.00050	2/16/2021 18:07	J
Nickel	<b>0.0013</b>	<b>I</b>	mg/L	1	0.0050	0.0012	2/16/2021 18:07	J
Selenium	<b>0.0012</b>	<b>U</b>	mg/L	1	0.0050	0.0012	2/16/2021 18:07	J
Silver	<b>0.00050</b>	<b>U</b>	mg/L	1	0.0020	0.00050	2/16/2021 18:07	J
Thallium	<b>0.00025</b>	<b>U</b>	mg/L	1	0.0010	0.00025	2/16/2021 18:07	J
Vanadium	<b>0.16</b>		mg/L	1	0.0040	0.0010	2/16/2021 18:07	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	<b>U</b>	mg/L	1	0.00010	0.000028	2/18/2021 15:38	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306023** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-61A** Date Collected: 02/10/21 10:16

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 04:19	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 04:19	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 04:19	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 04:19	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 04:19	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 04:19	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 04:19	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 04:19	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 04:19	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 04:19	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 04:19	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 04:19	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 04:19	T
Acetone	<b>4.9</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 04:19	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 04:19	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 04:19	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 04:19	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 04:19	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 04:19	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 04:19	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 04:19	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 04:19	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 04:19	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 04:19	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 04:19	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 04:19	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 04:19	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 04:19	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 04:19	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 04:19	T
Methylene Chloride	<b>0.71</b>	<b>I,V,J4</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 04:19	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 04:19	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 04:19	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 04:19	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 04:19	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 04:19	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 04:19	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306023** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-61A** Date Collected: 02/10/21 10:16

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 04:19	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 04:19	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:19	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 04:19	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:19	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 04:19	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 04:19	T
1,2-Dichloroethane-d4 (S)	<b>127</b>	%		1	70-128		2/20/2021 04:19	
Toluene-d8 (S)	<b>94</b>	%		1	77-119		2/20/2021 04:19	
Bromofluorobenzene (S)	<b>100</b>	%		1	86-123		2/20/2021 04:19	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 04:19	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 04:19	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 04:19	T
1,2-Dichloroethane-d4 (S)	<b>115</b>	%		1	70-130		2/20/2021 04:19	
Toluene-d8 (S)	<b>75</b>	%		1	70-130		2/20/2021 04:19	
Bromofluorobenzene (S)	<b>80</b>	%		1	70-130		2/20/2021 04:19	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.16</b>	mg/L	1	0.030	0.015	2/18/2021 14:18	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>180</b>	mg/L	1	10	10	2/12/2021 10:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>6.7</b>	mg/L	1	5.0	2.6	2/22/2021 13:50	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/11/2021 08:45	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306024** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-61** Date Collected: 02/10/21 10:46

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>207.6</b>		umhos/cm	1			2/10/2021 10:46
Dissolved Oxygen	<b>0.68</b>		mg/L	1			2/10/2021 10:46
ORP-2580BW	<b>20.4</b>		mV	1			2/10/2021 10:46
Temperature	<b>25.9</b>		°C	1			2/10/2021 10:46
Turbidity	<b>1.03</b>		NTU	1			2/10/2021 10:46
pH	<b>5.49</b>		SU	1			2/10/2021 10:46

### **METALS**

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 23:15	T
Iron	<b>0.079</b>	I	mg/L	1	0.10	0.0067	2/22/2021 23:15	T
Sodium	<b>4.7</b>		mg/L	1	1.0	0.80	2/22/2021 23:15	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 23:15	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 21:19	J
Arsenic	<b>0.0019</b>		mg/L	1	0.0010	0.00025	2/16/2021 18:12	J
Barium	<b>0.0072</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:12	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:33	J
Chromium	<b>0.00086</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 18:12	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:33	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 18:12	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:12	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:12	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:12	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:12	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:12	J
Vanadium	<b>0.0048</b>		mg/L	1	0.0040	0.0010	2/16/2021 18:12	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:28	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306024** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-61** Date Collected: 02/10/21 10:46

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/20/2021 04:46	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:46	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/20/2021 04:46	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 04:46	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 04:46	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 04:46	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 04:46	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 04:46	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/20/2021 04:46	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 04:46	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 04:46	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 04:46	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 04:46	T
Acetone	<b>9.8</b>	V,J4	ug/L	1	2.0	0.90	2/20/2021 04:46	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/20/2021 04:46	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/20/2021 04:46	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 04:46	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:46	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 04:46	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 04:46	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 04:46	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 04:46	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 04:46	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 04:46	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 04:46	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:46	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 04:46	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 04:46	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/20/2021 04:46	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/20/2021 04:46	T
Methylene Chloride	<b>0.56</b>	V,J4	ug/L	1	1.0	0.56	2/20/2021 04:46	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/20/2021 04:46	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/20/2021 04:46	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/20/2021 04:46	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 04:46	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 04:46	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 04:46	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306024** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-61** Date Collected: 02/10/21 10:46

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 04:46
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 04:46
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:46
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 04:46
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 04:46
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 04:46
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 04:46
1,2-Dichloroethane-d4 (S)	<b>125</b>	%		1	70-128		2/20/2021 04:46
Toluene-d8 (S)	<b>93</b>	%		1	77-119		2/20/2021 04:46
Bromofluorobenzene (S)	<b>103</b>	%		1	86-123		2/20/2021 04:46

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 04:46	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 04:46	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 04:46	T
1,2-Dichloroethane-d4 (S)	<b>114</b>	%		1	70-130		2/20/2021 04:46	
Toluene-d8 (S)	<b>75</b>	%		1	70-130		2/20/2021 04:46	
Bromofluorobenzene (S)	<b>82</b>	%		1	70-130		2/20/2021 04:46	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.11</b>		mg/L	1	0.030	0.015	2/18/2021 14:24	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>120</b>		mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>10</b>		mg/L	1	5.0	2.6	2/22/2021 13:51	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/11/2021 08:46	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306025** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **TH-64** Date Collected: 02/10/21 11:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>175.5</b>	umhos/cm	1	2/10/2021 11:40
Dissolved Oxygen	<b>0.68</b>	mg/L	1	2/10/2021 11:40
ORP-2580BW	<b>100.2</b>	mV	1	2/10/2021 11:40
Temperature	<b>26.7</b>	°C	1	2/10/2021 11:40
Turbidity	<b>12.4</b>	NTU	1	2/10/2021 11:40
pH	<b>4.76</b>	SU	1	2/10/2021 11:40

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water

Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 23:18	T
Iron	<b>0.28</b>		mg/L	1	0.10	0.0067	2/22/2021 23:18	T
Sodium	<b>7.3</b>		mg/L	1	1.0	0.80	2/22/2021 23:18	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 23:18	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total

Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 21:24	J
Arsenic	<b>0.0011</b>		mg/L	1	0.0010	0.00025	2/16/2021 18:18	J
Barium	<b>0.023</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:18	J
Cadmium	<b>0.00058</b>	I	mg/L	1	0.0010	0.00025	2/22/2021 16:38	J
Chromium	<b>0.0018</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 18:18	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:38	J
Copper	<b>0.0018</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 18:18	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:18	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:18	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:18	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:18	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:18	J
Vanadium	<b>0.011</b>		mg/L	1	0.0040	0.0010	2/16/2021 18:18	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water

Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:30	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306025** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-64** Date Collected: 02/10/21 11:40

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 05:12	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:12	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 05:12	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:12	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 05:12	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:12	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 05:12	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:12	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 05:12	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:12	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 05:12	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:12	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:12	T
Acetone	<b>3.9</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 05:12	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 05:12	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 05:12	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 05:12	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:12	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:12	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 05:12	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:12	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:12	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 05:12	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:12	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 05:12	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:12	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:12	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:12	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 05:12	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 05:12	T
Methylene Chloride	<b>0.56</b>	<b>U,J4</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 05:12	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 05:12	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 05:12	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 05:12	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 05:12	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 05:12	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 05:12	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306025** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-64** Date Collected: 02/10/21 11:40

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 05:12	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 05:12	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 05:12	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 05:12	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 05:12	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 05:12	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 05:12	T
1,2-Dichloroethane-d4 (S)	<b>119</b>	%		1	70-128		2/20/2021 05:12	
Toluene-d8 (S)	<b>93</b>	%		1	77-119		2/20/2021 05:12	
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/20/2021 05:12	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 05:12	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 05:12	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 05:12	T
1,2-Dichloroethane-d4 (S)	<b>116</b>	%		1	70-130		2/20/2021 05:12	
Toluene-d8 (S)	<b>74</b>	%		1	70-130		2/20/2021 05:12	
Bromofluorobenzene (S)	<b>81</b>	%		1	70-130		2/20/2021 05:12	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.09</b>	mg/L	1	0.030	0.015	2/18/2021 14:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>98</b>	mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>9.8</b>	mg/L	1	5.0	2.6	2/22/2021 13:52	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.10</b>	mg/L	1	0.10	0.092	2/11/2021 08:47	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306026** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **TH-19** Date Collected: 02/10/21 12:26

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>392.4</b>		umhos/cm	1			2/10/2021 12:26
Dissolved Oxygen	<b>0.28</b>		mg/L	1			2/10/2021 12:26
ORP-2580BW	<b>-75.5</b>		mV	1			2/10/2021 12:26
Temperature	<b>23.3</b>		°C	1			2/10/2021 12:26
Turbidity	<b>0.9</b>		NTU	1			2/10/2021 12:26
pH	<b>7.08</b>		SU	1			2/10/2021 12:26

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/22/2021 23:21	T
Iron	<b>0.0067</b>	U	mg/L	1	0.10	0.0067	2/22/2021 23:21	T
Sodium	<b>15</b>		mg/L	1	1.0	0.80	2/22/2021 23:21	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/22/2021 23:21	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 21:29	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:23	J
Barium	<b>0.0055</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:23	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:54	J
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:23	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 16:54	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 18:23	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:23	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:23	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:23	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:23	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:23	J
Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 18:23	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:33	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306026** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-19** Date Collected: 02/10/21 12:26

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 05:38	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:38	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 05:38	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:38	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 05:38	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:38	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 05:38	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:38	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 05:38	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:38	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 05:38	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:38	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 05:38	T
Acetone	<b>4.6</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 05:38	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 05:38	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 05:38	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 05:38	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:38	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:38	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 05:38	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:38	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:38	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 05:38	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 05:38	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 05:38	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 05:38	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 05:38	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 05:38	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 05:38	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 05:38	T
Methylene Chloride	<b>0.56</b>	<b>U,J4</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 05:38	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 05:38	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 05:38	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 05:38	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 05:38	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 05:38	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 05:38	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306026** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-19** Date Collected: 02/10/21 12:26

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 05:38 T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 05:38 T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 05:38 T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 05:38 T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 05:38 T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 05:38 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 05:38 T
1,2-Dichloroethane-d4 (S)	<b>117</b>		%	<b>1</b>	70-128		2/20/2021 05:38
Toluene-d8 (S)	<b>91</b>		%	<b>1</b>	77-119		2/20/2021 05:38
Bromofluorobenzene (S)	<b>102</b>		%	<b>1</b>	86-123		2/20/2021 05:38

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 05:38 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 05:38 T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 05:38 T
1,2-Dichloroethane-d4 (S)	<b>118</b>		%	<b>1</b>	70-130		2/20/2021 05:38
Toluene-d8 (S)	<b>72</b>		%	<b>1</b>	70-130		2/20/2021 05:38
Bromofluorobenzene (S)	<b>82</b>		%	<b>1</b>	70-130		2/20/2021 05:38

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.39</b>		<b>mg/L</b>	<b>1</b>	0.030	0.015	2/18/2021 14:27 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>290</b>		<b>mg/L</b>	<b>1</b>	10	10	2/12/2021 10:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>8.0</b>		<b>mg/L</b>	<b>1</b>	5.0	2.6	2/22/2021 13:52 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.092</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.092	2/11/2021 08:48 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306027** Date Received: 02/10/21 14:45 Matrix: Water  
Sample ID: **TH-72** Date Collected: 02/10/21 13:42

Sample Description:	Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements
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Conductivity	<b>1345</b>	umhos/cm	<b>1</b>		2/10/2021 13:42
Dissolved Oxygen	<b>0.51</b>	mg/L	<b>1</b>		2/10/2021 13:42
ORP-2580BW	<b>-78.2</b>	mV	<b>1</b>		2/10/2021 13:42
Temperature	<b>24.1</b>	°C	<b>1</b>		2/10/2021 13:42
Turbidity	<b>2.19</b>	NTU	<b>1</b>		2/10/2021 13:42
pH	<b>6.6</b>	SU	<b>1</b>		2/10/2021 13:42

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	<b>1</b>	0.010	0.0020	2/22/2021 23:23	T
Iron	<b>0.52</b>	U	mg/L	<b>1</b>	0.10	0.0067	2/22/2021 23:23	T
Sodium	<b>100</b>	U	mg/L	<b>1</b>	1.0	0.80	2/22/2021 23:23	T
Zinc	<b>0.050</b>	U	mg/L	<b>1</b>	0.10	0.050	2/22/2021 23:23	T

Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A
	Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	<b>1</b>	0.0040	0.0010	2/19/2021 21:35	J
Arsenic	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/16/2021 18:39	J
Barium	<b>0.028</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 18:39	J
Cadmium	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/22/2021 16:59	J
Chromium	<b>0.00050</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 18:39	J
Cobalt	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/22/2021 16:59	J
Copper	<b>0.0010</b>	U	mg/L	<b>1</b>	0.0040	0.0010	2/16/2021 18:39	J
Lead	<b>0.00050</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 18:39	J
Nickel	<b>0.0022</b>	I	mg/L	<b>1</b>	0.0050	0.0012	2/16/2021 18:39	J
Selenium	<b>0.0012</b>	U	mg/L	<b>1</b>	0.0050	0.0012	2/16/2021 18:39	J
Silver	<b>0.00050</b>	U	mg/L	<b>1</b>	0.0020	0.00050	2/16/2021 18:39	J
Thallium	<b>0.00025</b>	U	mg/L	<b>1</b>	0.0010	0.00025	2/16/2021 18:39	J
Vanadium	<b>0.0010</b>	U	mg/L	<b>1</b>	0.0040	0.0010	2/16/2021 18:39	J

Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A
	Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	<b>1</b>	0.00010	0.000028	2/18/2021 15:36	T
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### **VOLATILES**

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306027** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-72** Date Collected: 02/10/21 13:42

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab				
					PQL	MDL					
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B									
		Analytical Method: SW-846 8260B									
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/20/2021 06:05				
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 06:05				
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/20/2021 06:05				
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 06:05				
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 06:05				
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 06:05				
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 06:05				
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 06:05				
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/20/2021 06:05				
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 06:05				
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 06:05				
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 06:05				
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 06:05				
Acetone	<b>4.2</b>	V,J4	ug/L	1	2.0	0.90	2/20/2021 06:05				
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/20/2021 06:05				
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/20/2021 06:05				
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 06:05				
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 06:05				
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 06:05				
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 06:05				
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 06:05				
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 06:05				
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 06:05				
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 06:05				
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 06:05				
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 06:05				
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 06:05				
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 06:05				
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/20/2021 06:05				
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/20/2021 06:05				
Methylene Chloride	<b>0.56</b>	V,J4	ug/L	1	1.0	0.56	2/20/2021 06:05				
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/20/2021 06:05				
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/20/2021 06:05				
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/20/2021 06:05				
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 06:05				
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 06:05				
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 06:05				

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306027** Date Received: 02/10/21 14:45 Matrix: Water  
 Sample ID: **TH-72** Date Collected: 02/10/21 13:42

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab	
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 06:05	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 06:05	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 06:05	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 06:05	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 06:05	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 06:05	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 06:05	T
1,2-Dichloroethane-d4 (S)	<b>120</b>		%	<b>1</b>	70-128		2/20/2021 06:05	
Toluene-d8 (S)	<b>94</b>		%	<b>1</b>	77-119		2/20/2021 06:05	
Bromofluorobenzene (S)	<b>99</b>		%	<b>1</b>	86-123		2/20/2021 06:05	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 06:05	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 06:05	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 06:05	T
1,2-Dichloroethane-d4 (S)	<b>119</b>		%	<b>1</b>	70-130		2/20/2021 06:05	
Toluene-d8 (S)	<b>75</b>		%	<b>1</b>	70-130		2/20/2021 06:05	
Bromofluorobenzene (S)	<b>79</b>		%	<b>1</b>	70-130		2/20/2021 06:05	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>12</b>		<b>mg/L</b>	<b>10</b>	0.30	0.15	2/18/2021 15:29	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>840</b>		<b>mg/L</b>	<b>1</b>	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>200</b>		<b>mg/L</b>	<b>5</b>	25	13	2/22/2021 13:53	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.097</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.10	0.092	2/11/2021 08:49	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306028** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **Trip Blank T2102306028** Date Collected: 02/11/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.47	2/20/2021 06:31	T						
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 06:31	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.20	2/20/2021 06:31	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 06:31	T						
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 06:31	T						
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 06:31	T						
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 06:31	T						
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 06:31	T						
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.18	2/20/2021 06:31	T						
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 06:31	T						
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 06:31	T						
2-Hexanone	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 06:31	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 06:31	T						
Acetone	<b>5.5</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	2.0	0.90	2/20/2021 06:31	T						
Acrylonitrile	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	0.38	2/20/2021 06:31	T						
Benzene	<b>0.28</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.28	2/20/2021 06:31	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 06:31	T						
Bromodichloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 06:31	T						
Bromoform	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 06:31	T						
Bromomethane	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 06:31	T						
Carbon Disulfide	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 06:31	T						
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 06:31	T						
Chlorobenzene	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 06:31	T						
Chloroethane	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 06:31	T						
Chloroform	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/20/2021 06:31	T						
Chloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 06:31	T						
Dibromochloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 06:31	T						
Dibromomethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 06:31	T						
Ethylbenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 06:31	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.83	2/20/2021 06:31	T						
Methylene Chloride	<b>3.5</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 06:31	T						
Styrene	<b>0.29</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.29	2/20/2021 06:31	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.45	2/20/2021 06:31	T						
Toluene	<b>0.66</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.66	2/20/2021 06:31	T						
Trichloroethene	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 06:31	T						
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 06:31	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306028** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **Trip Blank T2102306028** Date Collected: 02/11/21 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 06:31	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 06:31	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	ug/L	<b>1</b>	2.0	1.3	2/20/2021 06:31	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 06:31	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 06:31	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 06:31	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 06:31	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.46	2/20/2021 06:31	T
1,2-Dichloroethane-d4 (S)	<b>124</b>	%		<b>1</b>	70-128		2/20/2021 06:31	
Toluene-d8 (S)	<b>94</b>	%		<b>1</b>	77-119		2/20/2021 06:31	
Bromofluorobenzene (S)	<b>103</b>	%		<b>1</b>	86-123		2/20/2021 06:31	

Analysis Desc: 8260B SIM Analysis,  
 Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.015	2/20/2021 06:31	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	ug/L	<b>1</b>	0.030	0.023	2/20/2021 06:31	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.019	2/20/2021 06:31	T
1,2-Dichloroethane-d4 (S)	<b>120</b>	%		<b>1</b>	70-130		2/20/2021 06:31	
Toluene-d8 (S)	<b>75</b>	%		<b>1</b>	70-130		2/20/2021 06:31	
Bromofluorobenzene (S)	<b>82</b>	%		<b>1</b>	70-130		2/20/2021 06:31	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306029** Date Received: 02/11/21 13:45 Matrix: Water  
Sample ID: **TH-68** Date Collected: 02/11/21 09:47

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>193.7</b>		umhos/cm	1			2/11/2021 09:47
Dissolved Oxygen	<b>1.15</b>		mg/L	1			2/11/2021 09:47
ORP-2580BW	<b>20.3</b>		mV	1			2/11/2021 09:47
Temperature	<b>25.8</b>		°C	1			2/11/2021 09:47
Turbidity	<b>59.7</b>		NTU	1			2/11/2021 09:47
pH	<b>5.38</b>		SU	1			2/11/2021 09:47

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/24/2021 16:51	T
Iron	<b>0.79</b>		mg/L	1	0.10	0.0067	2/24/2021 16:51	T
Sodium	<b>6.2</b>		mg/L	1	1.0	0.80	2/24/2021 16:51	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/24/2021 16:51	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 21:50	J
Arsenic	<b>0.0023</b>		mg/L	1	0.0010	0.00025	2/16/2021 18:44	J
Barium	<b>0.021</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:44	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:04	J
Chromium	<b>0.0091</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:44	J
Cobalt	<b>0.00030</b>	I	mg/L	1	0.0010	0.00025	2/22/2021 17:04	J
Copper	<b>0.0048</b>		mg/L	1	0.0040	0.0010	2/16/2021 18:44	J
Lead	<b>0.0018</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 18:44	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:44	J
Selenium	<b>0.0027</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 18:44	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:44	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:44	J
Vanadium	<b>0.0064</b>		mg/L	1	0.0040	0.0010	2/16/2021 18:44	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.00030</b>		mg/L	1	0.00010	0.000028	2/18/2021 15:46	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306029** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-68** Date Collected: 02/11/21 09:47

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 06:57	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 06:57	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 06:57	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 06:57	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 06:57	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 06:57	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 06:57	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 06:57	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 06:57	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 06:57	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 06:57	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 06:57	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 06:57	T
Acetone	<b>4.8</b>	<b>V</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 06:57	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 06:57	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 06:57	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 06:57	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 06:57	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 06:57	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 06:57	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 06:57	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 06:57	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 06:57	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 06:57	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 06:57	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 06:57	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 06:57	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 06:57	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 06:57	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 06:57	T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 06:57	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 06:57	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 06:57	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 06:57	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 06:57	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 06:57	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 06:57	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306029** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-68** Date Collected: 02/11/21 09:47

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 06:57	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 06:57	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 06:57	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 06:57	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 06:57	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 06:57	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 06:57	T
1,2-Dichloroethane-d4 (S)	<b>124</b>	%		1	70-128		2/20/2021 06:57	
Toluene-d8 (S)	<b>94</b>	%		1	77-119		2/20/2021 06:57	
Bromofluorobenzene (S)	<b>100</b>	%		1	86-123		2/20/2021 06:57	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 06:57	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 06:57	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 06:57	T
1,2-Dichloroethane-d4 (S)	<b>112</b>	%		1	70-130		2/20/2021 06:57	
Toluene-d8 (S)	<b>75</b>	%		1	70-130		2/20/2021 06:57	
Bromofluorobenzene (S)	<b>80</b>	%		1	70-130		2/20/2021 06:57	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.32</b>	I	mg/L	15	0.45	0.22	2/18/2021 14:46	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>220</b>		mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>18</b>		mg/L	1	5.0	2.6	2/22/2021 15:08	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.30</b>		mg/L	1	0.10	0.092	2/11/2021 17:19	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306030** Date Received: 02/11/21 13:45 Matrix: Water  
Sample ID: **TH-69A** Date Collected: 02/11/21 10:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements						
Conductivity	<b>659</b>		umhos/cm	1			2/11/2021 10:28
Dissolved Oxygen	<b>1.13</b>		mg/L	1			2/11/2021 10:28
ORP-2580BW	<b>-47.5</b>		mV	1			2/11/2021 10:28
Temperature	<b>26.3</b>		°C	1			2/11/2021 10:28
Turbidity	<b>1.3</b>		NTU	1			2/11/2021 10:28
pH	<b>5.68</b>		SU	1			2/11/2021 10:28

### METALS

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A							
	Analytical Method: SW-846 6010							
Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/24/2021 16:53	T
Iron	<b>2.1</b>		mg/L	1	0.10	0.0067	2/24/2021 16:53	T
Sodium	<b>36</b>		mg/L	1	1.0	0.80	2/24/2021 16:53	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/24/2021 16:53	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A							
	Analytical Method: SW-846 6020							
Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 21:56	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:49	J
Barium	<b>0.0051</b>		mg/L	1	0.0020	0.00050	2/16/2021 18:49	J
Chromium	<b>0.00079</b>	I	mg/L	1	0.0020	0.00050	2/16/2021 18:49	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 18:49	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:49	J
Nickel	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:49	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 18:49	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 18:49	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 18:49	J
Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 18:49	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A							
	Analytical Method: SW-846 7470A							
Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 15:50	T

### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306030** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-69A** Date Collected: 02/11/21 10:28

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water				Preparation Method: SW-846 5030B				
				Analytical Method: SW-846 8260B				
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 07:23	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 07:23	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 07:23	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 07:23	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 07:23	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 07:23	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 07:23	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 07:23	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 07:23	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 07:23	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 07:23	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 07:23	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 07:23	T
Acetone	<b>3.9</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 07:23	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 07:23	T
Benzene	<b>0.39</b>	<b>I</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 07:23	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 07:23	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 07:23	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 07:23	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 07:23	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 07:23	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 07:23	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 07:23	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 07:23	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 07:23	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 07:23	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 07:23	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 07:23	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 07:23	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 07:23	T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 07:23	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 07:23	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 07:23	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 07:23	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 07:23	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 07:23	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 07:23	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306030** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-69A** Date Collected: 02/11/21 10:28

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 07:23 T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 07:23 T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 07:23 T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 07:23 T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 07:23 T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 07:23 T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 07:23 T
1,2-Dichloroethane-d4 (S)	<b>121</b>		%	<b>1</b>	70-128		2/20/2021 07:23
Toluene-d8 (S)	<b>96</b>		%	<b>1</b>	77-119		2/20/2021 07:23
Bromofluorobenzene (S)	<b>105</b>		%	<b>1</b>	86-123		2/20/2021 07:23

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B  Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 07:23 T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 07:23 T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 07:23 T
1,2-Dichloroethane-d4 (S)	<b>118</b>		%	<b>1</b>	70-130		2/20/2021 07:23
Toluene-d8 (S)	<b>77</b>		%	<b>1</b>	70-130		2/20/2021 07:23
Bromofluorobenzene (S)	<b>84</b>		%	<b>1</b>	70-130		2/20/2021 07:23

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>1.1</b>		<b>mg/L</b>	<b>1</b>	0.030	0.015	2/18/2021 14:47 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>430</b>		<b>mg/L</b>	<b>1</b>	10	10	2/12/2021 10:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>99</b>		<b>mg/L</b>	<b>1</b>	5.0	2.6	2/22/2021 15:09 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>1.8</b>		<b>mg/L</b>	<b>1</b>	0.10	0.092	2/11/2021 17:20 T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A  Analytical Method: SW-846 6020						
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 17:09 J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 17:09 J

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306031** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-70A** Date Collected: 02/11/21 11:38

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	600	umhos/cm	1				2/11/2021 11:38
Dissolved Oxygen	2.57	mg/L	1				2/11/2021 11:38
ORP-2580BW	-25.4	mV	1				2/11/2021 11:38
Temperature	26.6	°C	1				2/11/2021 11:38
Turbidity	181.3	NTU	1				2/11/2021 11:38
pH	6.11	SU	1				2/11/2021 11:38

### **METALS**

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/24/2021 16:56	T
Iron	48	mg/L	1		0.10	0.0067	2/24/2021 16:56	T
Sodium	12	mg/L	1		1.0	0.80	2/24/2021 16:56	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/24/2021 16:56	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 22:01	J
Arsenic	0.0080	mg/L	1		0.0010	0.00025	2/16/2021 18:54	J
Barium	0.016	mg/L	1		0.0020	0.00050	2/16/2021 18:54	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:14	J
Chromium	0.00067	I	mg/L	1	0.0020	0.00050	2/16/2021 18:54	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:14	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 18:54	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 18:54	J
Nickel	0.0015	I	mg/L	1	0.0050	0.0012	2/16/2021 18:54	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 18:54	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 18:54	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 18:54	J
Vanadium	0.0037	I	mg/L	1	0.0040	0.0010	2/16/2021 18:54	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/18/2021 16:29	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306031** Date Received: 02/11/21 13:45 Matrix: Water  
Sample ID: **TH-70A** Date Collected: 02/11/21 11:38

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/20/2021 07:49	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 07:49	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/20/2021 07:49	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 07:49	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 07:49	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 07:49	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 07:49	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 07:49	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/20/2021 07:49	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 07:49	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 07:49	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 07:49	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/20/2021 07:49	T
Acetone	<b>5.9</b>	V,J4	ug/L	1	2.0	0.90	2/20/2021 07:49	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/20/2021 07:49	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/20/2021 07:49	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/20/2021 07:49	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 07:49	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 07:49	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 07:49	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 07:49	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 07:49	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/20/2021 07:49	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/20/2021 07:49	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 07:49	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 07:49	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/20/2021 07:49	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/20/2021 07:49	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/20/2021 07:49	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/20/2021 07:49	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/20/2021 07:49	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/20/2021 07:49	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/20/2021 07:49	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/20/2021 07:49	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/20/2021 07:49	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 07:49	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 07:49	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306031** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-70A** Date Collected: 02/11/21 11:38

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 07:49	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 07:49	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 07:49	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 07:49	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 07:49	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 07:49	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 07:49	T
1,2-Dichloroethane-d4 (S)	<b>122</b>	%		1	70-128		2/20/2021 07:49	
Toluene-d8 (S)	<b>92</b>	%		1	77-119		2/20/2021 07:49	
Bromofluorobenzene (S)	<b>98</b>	%		1	86-123		2/20/2021 07:49	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 07:49	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 07:49	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 07:49	T
1,2-Dichloroethane-d4 (S)	<b>117</b>	%		1	70-130		2/20/2021 07:49	
Toluene-d8 (S)	<b>73</b>	%		1	70-130		2/20/2021 07:49	
Bromofluorobenzene (S)	<b>78</b>	%		1	70-130		2/20/2021 07:49	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>1.8</b>	mg/L	1	0.030	0.015	2/18/2021 14:48	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>360</b>	mg/L	1	10	10	2/12/2021 10:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>33</b>	mg/L	1	5.0	2.6	2/22/2021 15:11	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/11/2021 17:20	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306032** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-71A** Date Collected: 02/11/21 12:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **FIELD PARAMETERS**

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	1784	umhos/cm	1				2/11/2021 12:22
Dissolved Oxygen	0.13	mg/L	1				2/11/2021 12:22
ORP-2580BW	-35.1	mV	1				2/11/2021 12:22
Temperature	25.1	°C	1				2/11/2021 12:22
Turbidity	6.9	NTU	1				2/11/2021 12:22
pH	5.83	SU	1				2/11/2021 12:22

### **METALS**

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/24/2021 16:59	T
Iron	34	mg/L	1		0.10	0.0067	2/24/2021 16:59	T
Sodium	81	mg/L	1		1.0	0.80	2/24/2021 16:59	T
Zinc	0.050	U	mg/L	1	0.10	0.050	2/24/2021 16:59	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 22:06	J
Arsenic	0.0025	mg/L	1		0.0010	0.00025	2/16/2021 19:00	J
Barium	0.018	mg/L	1		0.0020	0.00050	2/16/2021 19:00	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:19	J
Chromium	0.00068	I	mg/L	1	0.0020	0.00050	2/16/2021 19:00	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:19	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 19:00	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 19:00	J
Nickel	0.0037	I	mg/L	1	0.0050	0.0012	2/16/2021 19:00	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 19:00	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 19:00	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 19:00	J
Vanadium	0.0020	I	mg/L	1	0.0040	0.0010	2/16/2021 19:00	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/18/2021 16:31	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306032** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-71A** Date Collected: 02/11/21 12:22

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 08:16	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:16	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 08:16	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:16	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 08:16	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:16	T
1,2-Dibromo-3-Chloropropane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	3.0	0.38	2/20/2021 08:16	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 08:16	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:16	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 08:16	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:16	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 08:16	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:16	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:16	T
Acetone	<b>4.5</b>	<b>V</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 08:16	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 08:16	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 08:16	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 08:16	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:16	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:16	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 08:16	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:16	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:16	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 08:16	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:16	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 08:16	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:16	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:16	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:16	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 08:16	T
Ethylene Dibromide (EDB)	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 08:16	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 08:16	T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 08:16	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 08:16	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 08:16	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 08:16	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 08:16	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306032** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **TH-71A** Date Collected: 02/11/21 12:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 08:16	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/20/2021 08:16	T
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 08:16	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 08:16	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 08:16	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 08:16	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 08:16	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 08:16	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 08:16	T
1,2-Dichloroethane-d4 (S)	<b>127</b>	%		1	70-128		2/20/2021 08:16	
Toluene-d8 (S)	<b>94</b>	%		1	77-119		2/20/2021 08:16	
Bromofluorobenzene (S)	<b>105</b>	%		1	86-123		2/20/2021 08:16	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 07:49	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 07:49	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 07:49	T
1,2-Dichloroethane-d4 (S)	<b>122</b>	%		1	70-130		2/20/2021 07:49	
Toluene-d8 (S)	<b>75</b>	%		1	70-130		2/20/2021 07:49	
Bromofluorobenzene (S)	<b>84</b>	%		1	70-130		2/20/2021 07:49	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>2.1</b>	mg/L	1	0.030	0.015	2/18/2021 14:48	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>1100</b>	mg/L	1	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>380</b>	mg/L	5	25	13	2/22/2021 15:11	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>0.13</b>	mg/L	1	0.10	0.092	2/11/2021 17:21	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306033</b>	Date Received:	02/11/21 13:45	Matrix:	Water
Sample ID:	<b>MW-71A Dup</b>	Date Collected:	02/11/21 12:23		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### METALS

Analysis Desc: SW846 6010B	Preparation Method: SW-846 3010A
Analysis, Water	Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/24/2021 17:02	T
Iron	<b>33</b>		mg/L	1	0.10	0.0067	2/24/2021 17:02	T
Sodium	<b>80</b>		mg/L	1	1.0	0.80	2/24/2021 17:02	T
Zinc	<b>0.050</b>	U	mg/L	1	0.10	0.050	2/24/2021 17:02	T

Analysis Desc: SW846 6020B	Preparation Method: SW-846 3010A
Analysis, Total	Analytical Method: SW-846 6020

Vanadium	<b>0.0016</b>	I	mg/L	1	0.0040	0.0010	2/16/2021 19:05	J
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:05	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:25	J
Nickel	<b>0.0038</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 19:05	J
Copper	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 19:05	J
Arsenic	<b>0.0025</b>		mg/L	1	0.0010	0.00025	2/16/2021 19:05	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 19:05	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:05	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:25	J
Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 22:12	J
Barium	<b>0.018</b>		mg/L	1	0.0020	0.00050	2/16/2021 19:05	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 19:05	J
Lead	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:05	J

Analysis Desc: SW846 7470A	Preparation Method: SW-846 7470A
Analysis, Water	Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/18/2021 16:34	T
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Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B
	Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 08:42	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 08:42	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 08:42	T
1,2-Dichloroethane-d4 (S)	<b>118</b>	%		1	70-130		2/20/2021 08:42	
Toluene-d8 (S)	<b>73</b>	%		1	70-130		2/20/2021 08:42	
Bromofluorobenzene (S)	<b>79</b>	%		1	70-130		2/20/2021 08:42	

### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306033** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **MW-71A Dup** Date Collected: 02/11/21 12:23

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: 8260B VOCs Analysis, Water					Preparation Method: SW-846 5030B			
					Analytical Method: SW-846 8260B			
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.47	2/20/2021 08:42	T
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:42	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.20	2/20/2021 08:42	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:42	T
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 08:42	T
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:42	T
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 08:42	T
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:42	T
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.18	2/20/2021 08:42	T
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:42	T
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 08:42	T
2-Hexanone	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:42	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	2/20/2021 08:42	T
Acetone	<b>4.8</b>	<b>V,J4</b>	ug/L	<b>1</b>	2.0	0.90	2/20/2021 08:42	T
Acrylonitrile	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.38	2/20/2021 08:42	T
Benzene	<b>0.28</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.28	2/20/2021 08:42	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	2/20/2021 08:42	T
Bromodichloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:42	T
Bromoform	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:42	T
Bromomethane	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 08:42	T
Carbon Disulfide	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:42	T
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:42	T
Chlorobenzene	<b>0.38</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.38	2/20/2021 08:42	T
Chloroethane	<b>0.42</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.42	2/20/2021 08:42	T
Chloroform	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 08:42	T
Chloromethane	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 08:42	T
Dibromochloromethane	<b>0.36</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.36	2/20/2021 08:42	T
Dibromomethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	2/20/2021 08:42	T
Ethylbenzene	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 08:42	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.83	2/20/2021 08:42	T
Methylene Chloride	<b>0.56</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.56	2/20/2021 08:42	T
Styrene	<b>0.29</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.29	2/20/2021 08:42	T
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.45	2/20/2021 08:42	T
Toluene	<b>0.66</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.66	2/20/2021 08:42	T
Trichloroethene	<b>0.32</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.32	2/20/2021 08:42	T
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 08:42	T
Vinyl Acetate	<b>0.37</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.37	2/20/2021 08:42	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306033** Date Received: 02/11/21 13:45 Matrix: Water  
 Sample ID: **MW-71A Dup** Date Collected: 02/11/21 12:23

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 08:42	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 08:42	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 08:42	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 08:42	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 08:42	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 08:42	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 08:42	T
1,2-Dichloroethane-d4 (S)	<b>122</b>		<b>%</b>	<b>1</b>	70-128		2/20/2021 08:42	
Toluene-d8 (S)	<b>92</b>		<b>%</b>	<b>1</b>	77-119		2/20/2021 08:42	
Bromofluorobenzene (S)	<b>99</b>		<b>%</b>	<b>1</b>	86-123		2/20/2021 08:42	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>2.1</b>	<b>mg/L</b>	<b>1</b>	0.030	0.015	2/18/2021 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	<b>1100</b>	<b>mg/L</b>	<b>1</b>	10	10	2/12/2021 10:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>350</b>	<b>mg/L</b>	<b>1</b>	5.0	2.6	2/22/2021 15:12	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate (as N)	<b>3.3</b>	<b>mg/L</b>	<b>1</b>	0.10	0.092	2/11/2021 17:22	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306034** Date Received: 02/12/21 10:51 Matrix: Water  
 Sample ID: **Trip BlankT2102306034** Date Collected: 02/12/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.47	2/20/2021 09:08	T						
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 09:08	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.20	2/20/2021 09:08	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 09:08	T						
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 09:08	T						
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 09:08	T						
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 09:08	T						
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 09:08	T						
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.18	2/20/2021 09:08	T						
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 09:08	T						
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 09:08	T						
2-Hexanone	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 09:08	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/20/2021 09:08	T						
Acetone	<b>5.0</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	2.0	0.90	2/20/2021 09:08	T						
Acrylonitrile	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	0.38	2/20/2021 09:08	T						
Benzene	<b>0.28</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.28	2/20/2021 09:08	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/20/2021 09:08	T						
Bromodichloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 09:08	T						
Bromoform	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 09:08	T						
Bromomethane	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 09:08	T						
Carbon Disulfide	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 09:08	T						
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 09:08	T						
Chlorobenzene	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/20/2021 09:08	T						
Chloroethane	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/20/2021 09:08	T						
Chloroform	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/20/2021 09:08	T						
Chloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 09:08	T						
Dibromochloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/20/2021 09:08	T						
Dibromomethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/20/2021 09:08	T						
Ethylbenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 09:08	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.83	2/20/2021 09:08	T						
Methylene Chloride	<b>3.5</b>	<b>V,J4</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/20/2021 09:08	T						
Styrene	<b>0.29</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.29	2/20/2021 09:08	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.45	2/20/2021 09:08	T						
Toluene	<b>0.66</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.66	2/20/2021 09:08	T						
Trichloroethene	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/20/2021 09:08	T						
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 09:08	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306034** Date Received: 02/12/21 10:51 Matrix: Water  
Sample ID: **Trip BlankT2102306034** Date Collected: 02/12/21 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/20/2021 09:08	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/20/2021 09:08	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/20/2021 09:08	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 09:08	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 09:08	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/20/2021 09:08	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/20/2021 09:08	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/20/2021 09:08	T
1,2-Dichloroethane-d4 (S)	<b>125</b>	%		1	70-128		2/20/2021 09:08	
Toluene-d8 (S)	<b>93</b>	%		1	77-119		2/20/2021 09:08	
Bromofluorobenzene (S)	<b>103</b>	%		1	86-123		2/20/2021 09:08	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 08:42	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 08:42	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 08:42	T
1,2-Dichloroethane-d4 (S)	<b>116</b>	%		1	70-130		2/20/2021 08:42	
Toluene-d8 (S)	<b>74</b>	%		1	70-130		2/20/2021 08:42	
Bromofluorobenzene (S)	<b>82</b>	%		1	70-130		2/20/2021 08:42	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306035** Date Received: 02/12/21 10:51 Matrix: Water  
 Sample ID: **Field Blank T2102306035** Date Collected: 02/12/21 09:18

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
 Analysis,Water Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0020	2/24/2021 18:45	T
Iron	<b>0.0067</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.0067	2/24/2021 18:45	T
Sodium	<b>0.80</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	1.0	0.80	2/24/2021 18:45	T
Zinc	<b>0.050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.050	2/24/2021 18:45	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
 Analysis,Total Analytical Method: SW-846 6020

Vanadium	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 19:10	J
Chromium	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 19:10	J
Cobalt	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 17:30	J
Nickel	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 19:10	J
Copper	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/16/2021 19:10	J
Arsenic	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 19:10	J
Selenium	<b>0.0012</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0050	0.0012	2/16/2021 19:10	J
Silver	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 19:10	J
Cadmium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/22/2021 17:30	J
Antimony	<b>0.0010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0040	0.0010	2/19/2021 22:17	J
Barium	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 19:10	J
Thallium	<b>0.00025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0010	0.00025	2/16/2021 19:10	J
Lead	<b>0.00050</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.0020	0.00050	2/16/2021 19:10	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
 Analysis,Water Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.00010	0.000028	2/26/2021 13:29	T
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Analysis Desc: 8260B SIM Analysis, Preparation Method: SW-846 5030B  
 Water Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/20/2021 09:35	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/20/2021 09:35	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/20/2021 09:35	T
1,2-Dichloroethane-d4 (S)	<b>120</b>	%		<b>1</b>	70-130		2/20/2021 09:35	
Toluene-d8 (S)	<b>74</b>	%		<b>1</b>	70-130		2/20/2021 09:35	
Bromofluorobenzene (S)	<b>81</b>	%		<b>1</b>	70-130		2/20/2021 09:35	

### METALS

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306035</b>	Date Received:	02/12/21 10:51	Matrix:	Water
Sample ID:	<b>Field Blank T2102306035</b>	Date Collected:	02/12/21 09:18		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	0.47	U	ug/L	1	1.0	0.47	2/20/2021 09:35	T
1,1,1-Trichloroethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 09:35	T
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	1	1.0	0.20	2/20/2021 09:35	T
1,1,2-Trichloroethane	0.40	U	ug/L	1	1.0	0.40	2/20/2021 09:35	T
1,1-Dichloroethane	0.38	U	ug/L	1	1.0	0.38	2/20/2021 09:35	T
1,1-Dichloroethylene	0.41	U	ug/L	1	1.0	0.41	2/20/2021 09:35	T
1,2-Dichlorobenzene	0.44	U	ug/L	1	1.0	0.44	2/20/2021 09:35	T
1,2-Dichloroethane	0.40	U	ug/L	1	1.0	0.40	2/20/2021 09:35	T
1,2-Dichloropropane	0.18	U	ug/L	1	1.0	0.18	2/20/2021 09:35	T
1,4-Dichlorobenzene	0.36	U	ug/L	1	1.0	0.36	2/20/2021 09:35	T
2-Butanone (MEK)	0.33	U	ug/L	1	1.0	0.33	2/20/2021 09:35	T
2-Hexanone	0.42	U	ug/L	1	1.0	0.42	2/20/2021 09:35	T
4-Methyl-2-pentanone (MIBK)	0.40	U	ug/L	1	1.0	0.40	2/20/2021 09:35	T
Acetone	4.7	V,J4	ug/L	1	2.0	0.90	2/20/2021 09:35	T
Acrylonitrile	0.38	U	ug/L	1	5.0	0.38	2/20/2021 09:35	T
Benzene	0.28	U	ug/L	1	1.0	0.28	2/20/2021 09:35	T
Bromochloromethane	0.33	U	ug/L	1	1.0	0.33	2/20/2021 09:35	T
Bromodichloromethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 09:35	T
Bromoform	0.36	U	ug/L	1	1.0	0.36	2/20/2021 09:35	T
Bromomethane	0.32	U	ug/L	1	1.0	0.32	2/20/2021 09:35	T
Carbon Disulfide	0.42	U	ug/L	1	1.0	0.42	2/20/2021 09:35	T
Carbon Tetrachloride	0.41	U	ug/L	1	1.0	0.41	2/20/2021 09:35	T
Chlorobenzene	0.58	I	ug/L	1	1.0	0.38	2/20/2021 09:35	T
Chloroethane	0.42	U	ug/L	1	1.0	0.42	2/20/2021 09:35	T
Chloroform	0.37	U	ug/L	1	1.0	0.37	2/20/2021 09:35	T
Chloromethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 09:35	T
Dibromochloromethane	0.36	U	ug/L	1	1.0	0.36	2/20/2021 09:35	T
Dibromomethane	0.41	U	ug/L	1	1.0	0.41	2/20/2021 09:35	T
Ethylbenzene	0.56	U	ug/L	1	1.0	0.56	2/20/2021 09:35	T
Iodomethane (Methyl Iodide)	0.83	U	ug/L	1	1.0	0.83	2/20/2021 09:35	T
Methylene Chloride	0.56	U,J4	ug/L	1	1.0	0.56	2/20/2021 09:35	T
Styrene	0.29	U	ug/L	1	1.0	0.29	2/20/2021 09:35	T
Tetrachloroethylene (PCE)	0.45	U	ug/L	1	1.0	0.45	2/20/2021 09:35	T
Toluene	0.66	U	ug/L	1	1.0	0.66	2/20/2021 09:35	T
Trichloroethene	0.32	U	ug/L	1	1.0	0.32	2/20/2021 09:35	T
Trichlorofluoromethane	0.26	U	ug/L	1	1.0	0.26	2/20/2021 09:35	T
Vinyl Acetate	0.37	U	ug/L	1	1.0	0.37	2/20/2021 09:35	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306035** Date Received: 02/12/21 10:51 Matrix: Water  
 Sample ID: **Field Blank T2102306035** Date Collected: 02/12/21 09:18

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	2/20/2021 09:35	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	ug/L	<b>1</b>	2.0	1.3	2/20/2021 09:35	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 09:35	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 09:35	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.39	2/20/2021 09:35	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.26	2/20/2021 09:35	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.46	2/20/2021 09:35	T
1,2-Dichloroethane-d4 (S)	<b>125</b>		%	<b>1</b>	70-128		2/20/2021 09:35	
Toluene-d8 (S)	<b>92</b>		%	<b>1</b>	77-119		2/20/2021 09:35	
Bromofluorobenzene (S)	<b>101</b>		%	<b>1</b>	86-123		2/20/2021 09:35	

### WET CHEMISTRY

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.015</b>	<b>U</b>	mg/L	<b>1</b>	0.030	0.015	2/18/2021 15:03	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>10</b>	<b>U</b>	mg/L	<b>1</b>	10	10	2/17/2021 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>5.0</b>		mg/L	<b>1</b>	5.0	2.6	2/22/2021 13:25	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	<b>U</b>	mg/L	<b>1</b>	0.10	0.092	2/12/2021 17:37	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306036** Date Received: 02/12/21 10:50 Matrix: Water  
Sample ID: **Holland Residence** Date Collected: 02/12/21 09:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>373.2</b>		umhos/cm	1			2/12/2021 09:40
Dissolved Oxygen	<b>0.31</b>		mg/L	1			2/12/2021 09:40
ORP-2580BW	<b>-80.8</b>		mV	1			2/12/2021 09:40
Temperature	<b>19.7</b>		°C	1			2/12/2021 09:40
Turbidity	<b>2.34</b>		NTU	1			2/12/2021 09:40
pH	<b>6.66</b>		SU	1			2/12/2021 09:40

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water

Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/24/2021 18:48	T
Iron	<b>3.8</b>		mg/L	1	0.10	0.0067	2/24/2021 18:48	T
Lead	<b>0.0037</b>	I	mg/L	1	0.010	0.0030	2/24/2021 18:48	T
Sodium	<b>5.5</b>		mg/L	1	1.0	0.80	2/24/2021 18:48	T
Zinc	<b>0.12</b>		mg/L	1	0.10	0.050	2/24/2021 18:48	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total

Analytical Method: SW-846 6020

Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 22:22	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 19:15	J
Barium	<b>0.0043</b>		mg/L	1	0.0020	0.00050	2/16/2021 19:15	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:35	J
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:15	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:35	J
Copper	<b>0.17</b>		mg/L	1	0.0040	0.0010	2/16/2021 19:15	J
Nickel	<b>0.0090</b>		mg/L	1	0.0050	0.0012	2/16/2021 19:15	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 19:15	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:15	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 19:15	J
Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 19:15	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water

Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/26/2021 13:32	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306036** Date Received: 02/12/21 10:50 Matrix: Water  
 Sample ID: **Holland Residence** Date Collected: 02/12/21 09:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	0.47	U	ug/L	1	1.0	0.47	2/20/2021 10:01	T
1,1,1-Trichloroethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 10:01	T
1,1,2,2-Tetrachloroethane	0.20	U	ug/L	1	1.0	0.20	2/20/2021 10:01	T
1,1,2-Trichloroethane	0.40	U	ug/L	1	1.0	0.40	2/20/2021 10:01	T
1,1-Dichloroethane	0.38	U	ug/L	1	1.0	0.38	2/20/2021 10:01	T
1,1-Dichloroethylene	0.41	U	ug/L	1	1.0	0.41	2/20/2021 10:01	T
1,2-Dichlorobenzene	0.44	U	ug/L	1	1.0	0.44	2/20/2021 10:01	T
1,2-Dichloroethane	0.40	U	ug/L	1	1.0	0.40	2/20/2021 10:01	T
1,2-Dichloropropane	0.18	U	ug/L	1	1.0	0.18	2/20/2021 10:01	T
1,4-Dichlorobenzene	0.36	U	ug/L	1	1.0	0.36	2/20/2021 10:01	T
2-Butanone (MEK)	0.33	U	ug/L	1	1.0	0.33	2/20/2021 10:01	T
2-Hexanone	0.42	U	ug/L	1	1.0	0.42	2/20/2021 10:01	T
4-Methyl-2-pentanone (MIBK)	0.40	U	ug/L	1	1.0	0.40	2/20/2021 10:01	T
Acetone	3.5	V,J4	ug/L	1	2.0	0.90	2/20/2021 10:01	T
Acrylonitrile	0.38	U	ug/L	1	5.0	0.38	2/20/2021 10:01	T
Benzene	0.28	U	ug/L	1	1.0	0.28	2/20/2021 10:01	T
Bromochloromethane	0.33	U	ug/L	1	1.0	0.33	2/20/2021 10:01	T
Bromodichloromethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 10:01	T
Bromoform	0.36	U	ug/L	1	1.0	0.36	2/20/2021 10:01	T
Bromomethane	0.32	U	ug/L	1	1.0	0.32	2/20/2021 10:01	T
Carbon Disulfide	0.42	U	ug/L	1	1.0	0.42	2/20/2021 10:01	T
Carbon Tetrachloride	0.41	U	ug/L	1	1.0	0.41	2/20/2021 10:01	T
Chlorobenzene	0.38	U	ug/L	1	1.0	0.38	2/20/2021 10:01	T
Chloroethane	0.42	U	ug/L	1	1.0	0.42	2/20/2021 10:01	T
Chloroform	0.37	U	ug/L	1	1.0	0.37	2/20/2021 10:01	T
Chloromethane	0.39	U	ug/L	1	1.0	0.39	2/20/2021 10:01	T
Dibromochloromethane	0.36	U	ug/L	1	1.0	0.36	2/20/2021 10:01	T
Dibromomethane	0.41	U	ug/L	1	1.0	0.41	2/20/2021 10:01	T
Ethylbenzene	0.56	U	ug/L	1	1.0	0.56	2/20/2021 10:01	T
Iodomethane (Methyl Iodide)	0.83	U	ug/L	1	1.0	0.83	2/20/2021 10:01	T
Methylene Chloride	0.70	I,V,J4	ug/L	1	1.0	0.56	2/20/2021 10:01	T
Styrene	0.29	U	ug/L	1	1.0	0.29	2/20/2021 10:01	T
Tetrachloroethylene (PCE)	0.45	U	ug/L	1	1.0	0.45	2/20/2021 10:01	T
Toluene	0.66	U	ug/L	1	1.0	0.66	2/20/2021 10:01	T
Trichloroethene	0.32	U	ug/L	1	1.0	0.32	2/20/2021 10:01	T
Trichlorofluoromethane	0.26	U	ug/L	1	1.0	0.26	2/20/2021 10:01	T
Vinyl Acetate	0.37	U	ug/L	1	1.0	0.37	2/20/2021 10:01	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306036** Date Received: 02/12/21 10:50 Matrix: Water  
 Sample ID: **Holland Residence** Date Collected: 02/12/21 09:40

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/20/2021 10:01	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/20/2021 10:01	T
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 10:01	T
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 10:01	T
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/20/2021 10:01	T
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/20/2021 10:01	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/20/2021 10:01	T
1,2-Dichloroethane-d4 (S)	<b>124</b>	%		1	70-128		2/20/2021 10:01	
Toluene-d8 (S)	<b>92</b>	%		1	77-119		2/20/2021 10:01	
Bromofluorobenzene (S)	<b>102</b>	%		1	86-123		2/20/2021 10:01	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/20/2021 10:01	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/20/2021 10:01	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/20/2021 10:01	T
1,2-Dichloroethane-d4 (S)	<b>120</b>	%		1	70-130		2/20/2021 10:01	
Toluene-d8 (S)	<b>74</b>	%		1	70-130		2/20/2021 10:01	
Bromofluorobenzene (S)	<b>81</b>	%		1	70-130		2/20/2021 10:01	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.07</b>	mg/L	1	0.030	0.015	2/18/2021 15:03	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>250</b>	mg/L	1	10	10	2/17/2021 12:00	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>28</b>	mg/L	1	5.0	2.6	2/22/2021 15:13	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	U	mg/L	1	0.10	0.092	2/12/2021 17:38	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306037** Date Received: 02/12/21 10:50 Matrix: Water  
Sample ID: **Barnes Residence** Date Collected: 02/12/21 09:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	<b>324.7</b>		umhos/cm	1			2/12/2021 09:55
Dissolved Oxygen	<b>0.62</b>		mg/L	1			2/12/2021 09:55
ORP-2580BW	<b>126</b>		mV	1			2/12/2021 09:55
Temperature	<b>20.5</b>		°C	1			2/12/2021 09:55
Turbidity	<b>1.11</b>		NTU	1			2/12/2021 09:55
pH	<b>7.03</b>		SU	1			2/12/2021 09:55

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water

Analytical Method: SW-846 6010

Beryllium	<b>0.0020</b>	U	mg/L	1	0.010	0.0020	2/24/2021 18:51	T
Iron	<b>0.025</b>	I	mg/L	1	0.10	0.0067	2/24/2021 18:51	T
Sodium	<b>11</b>		mg/L	1	1.0	0.80	2/24/2021 18:51	T
Lead	<b>0.0030</b>	U	mg/L	1	0.010	0.0030	2/24/2021 18:51	T
Zinc	<b>0.30</b>		mg/L	1	0.10	0.050	2/24/2021 18:51	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total

Analytical Method: SW-846 6020

Vanadium	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/16/2021 19:21	J
Chromium	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:21	J
Cobalt	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:40	J
Nickel	<b>0.0026</b>	I	mg/L	1	0.0050	0.0012	2/16/2021 19:21	J
Copper	<b>0.21</b>		mg/L	5	0.020	0.0050	2/17/2021 12:09	J
Arsenic	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 19:21	J
Selenium	<b>0.0012</b>	U	mg/L	1	0.0050	0.0012	2/16/2021 19:21	J
Silver	<b>0.00050</b>	U	mg/L	1	0.0020	0.00050	2/16/2021 19:21	J
Cadmium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/22/2021 17:40	J
Antimony	<b>0.0010</b>	U	mg/L	1	0.0040	0.0010	2/19/2021 22:27	J
Barium	<b>0.010</b>		mg/L	1	0.0020	0.00050	2/16/2021 19:21	J
Thallium	<b>0.00025</b>	U	mg/L	1	0.0010	0.00025	2/16/2021 19:21	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water

Analytical Method: SW-846 7470A

Mercury	<b>0.000028</b>	U	mg/L	1	0.00010	0.000028	2/26/2021 13:35	T
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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306037** Date Received: 02/12/21 10:50 Matrix: Water  
 Sample ID: **Barnes Residence** Date Collected: 02/12/21 09:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B SIM Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B (SIM)						
1,2,3-Trichloropropane	<b>0.015</b>	U	ug/L	1	0.020	0.015	2/23/2021 15:56	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	U	ug/L	1	0.030	0.023	2/23/2021 15:56	T
Ethylene Dibromide (EDB)	<b>0.019</b>	U	ug/L	1	0.020	0.019	2/23/2021 15:56	T
1,2-Dichloroethane-d4 (S)	<b>96</b>	%	1	70-130			2/23/2021 15:56	
Toluene-d8 (S)	<b>76</b>	%	1	70-130			2/23/2021 15:56	
Bromofluorobenzene (S)	<b>92</b>	%	1	70-130			2/23/2021 15:56	

### METALS

Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/23/2021 15:56	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 15:56	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/23/2021 15:56	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 15:56	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/23/2021 15:56	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 15:56	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/23/2021 15:56	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 15:56	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/23/2021 15:56	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 15:56	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/23/2021 15:56	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 15:56	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 15:56	T
Acetone	<b>2.4</b>	V	ug/L	1	2.0	0.90	2/23/2021 15:56	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/23/2021 15:56	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/23/2021 15:56	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/23/2021 15:56	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 15:56	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 15:56	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/23/2021 15:56	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 15:56	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 15:56	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/23/2021 15:56	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 15:56	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/23/2021 15:56	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 15:56	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 15:56	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID:	<b>T2102306037</b>	Date Received:	02/12/21 10:50	Matrix:	Water
Sample ID:	<b>Barnes Residence</b>	Date Collected:	02/12/21 09:55		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 15:56
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/23/2021 15:56
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/23/2021 15:56
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/23/2021 15:56
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/23/2021 15:56
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/23/2021 15:56
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/23/2021 15:56
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/23/2021 15:56
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/23/2021 15:56
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/23/2021 15:56
Vinyl Chloride	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/23/2021 15:56
Xylene (Total)	<b>1.3</b>	U	ug/L	1	2.0	1.3	2/23/2021 15:56
cis-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 15:56
cis-1,3-Dichloropropene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/23/2021 15:56
trans-1,2-Dichloroethylene	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 15:56
trans-1,3-Dichloropropylene	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/23/2021 15:56
trans-1,4-Dichloro-2-butene	<b>0.46</b>	U	ug/L	1	1.0	0.46	2/23/2021 15:56
1,2-Dichloroethane-d4 (S)	<b>106</b>	%		1	70-128		2/23/2021 15:56
Toluene-d8 (S)	<b>95</b>	%		1	77-119		2/23/2021 15:56
Bromofluorobenzene (S)	<b>115</b>	%		1	86-123		2/23/2021 15:56

### WET CHEMISTRY

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1					
Ammonia (N)	<b>0.015</b>	U	mg/L	1	0.030	0.015 2/18/2021 15:10 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C					
Total Dissolved Solids	<b>230</b>		mg/L	1	10	10 2/17/2021 12:00 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E					
Chloride	<b>12</b>		mg/L	1	5.0	2.6 2/22/2021 15:13 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F					
Nitrate (as N)	<b>0.26</b>		mg/L	1	0.10	0.092 2/12/2021 17:39 T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306038** Date Received: 02/12/21 13:15 Matrix: Water  
 Sample ID: **Trip Blank T2102306038** Date Collected: 02/12/21 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B VOCs Analysis, Water														
1,1,1,2-Tetrachloroethane	<b>0.47</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.47	2/23/2021 16:23	T						
1,1,1-Trichloroethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:23	T						
1,1,2,2-Tetrachloroethane	<b>0.20</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.20	2/23/2021 16:23	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/23/2021 16:23	T						
1,1-Dichloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/23/2021 16:23	T						
1,1-Dichloroethylene	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/23/2021 16:23	T						
1,2-Dichlorobenzene	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/23/2021 16:23	T						
1,2-Dichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/23/2021 16:23	T						
1,2-Dichloropropane	<b>0.18</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.18	2/23/2021 16:23	T						
1,4-Dichlorobenzene	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/23/2021 16:23	T						
2-Butanone (MEK)	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/23/2021 16:23	T						
2-Hexanone	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/23/2021 16:23	T						
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	2/23/2021 16:23	T						
Acetone	<b>4.0</b>	<b>V</b>	<b>ug/L</b>	<b>1</b>	2.0	0.90	2/23/2021 16:23	T						
Acrylonitrile	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	0.38	2/23/2021 16:23	T						
Benzene	<b>0.28</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.28	2/23/2021 16:23	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	2/23/2021 16:23	T						
Bromodichloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:23	T						
Bromoform	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/23/2021 16:23	T						
Bromomethane	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/23/2021 16:23	T						
Carbon Disulfide	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/23/2021 16:23	T						
Carbon Tetrachloride	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/23/2021 16:23	T						
Chlorobenzene	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	2/23/2021 16:23	T						
Chloroethane	<b>0.42</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.42	2/23/2021 16:23	T						
Chloroform	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/23/2021 16:23	T						
Chloromethane	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:23	T						
Dibromochloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	2/23/2021 16:23	T						
Dibromomethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	2/23/2021 16:23	T						
Ethylbenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/23/2021 16:23	T						
Iodomethane (Methyl Iodide)	<b>0.83</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.83	2/23/2021 16:23	T						
Methylene Chloride	<b>4.2</b>	<b>V</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	2/23/2021 16:23	T						
Styrene	<b>0.29</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.29	2/23/2021 16:23	T						
Tetrachloroethylene (PCE)	<b>0.45</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.45	2/23/2021 16:23	T						
Toluene	<b>0.66</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.66	2/23/2021 16:23	T						
Trichloroethene	<b>0.32</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.32	2/23/2021 16:23	T						
Trichlorofluoromethane	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/23/2021 16:23	T						

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306038** Date Received: 02/12/21 13:15 Matrix: Water  
Sample ID: **Trip Blank T2102306038** Date Collected: 02/12/21 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Acetate	<b>0.37</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.37	2/23/2021 16:23	T
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/23/2021 16:23	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/23/2021 16:23	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:23	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/23/2021 16:23	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:23	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/23/2021 16:23	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/23/2021 16:23	T
1,2-Dichloroethane-d4 (S)	<b>104</b>		%	<b>1</b>	70-128		2/23/2021 16:23	
Toluene-d8 (S)	<b>98</b>		%	<b>1</b>	77-119		2/23/2021 16:23	
Bromofluorobenzene (S)	<b>116</b>		%	<b>1</b>	86-123		2/23/2021 16:23	

Analysis Desc: 8260B SIM Analysis,  
Water

Preparation Method: SW-846 5030B

Analytical Method: SW-846 8260B (SIM)

1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/23/2021 16:23	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/23/2021 16:23	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/23/2021 16:23	T
1,2-Dichloroethane-d4 (S)	<b>95</b>		%	<b>1</b>	70-130		2/23/2021 16:23	
Toluene-d8 (S)	<b>78</b>		%	<b>1</b>	70-130		2/23/2021 16:23	
Bromofluorobenzene (S)	<b>93</b>		%	<b>1</b>	70-130		2/23/2021 16:23	

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306039** Date Received: 02/12/21 13:15 Matrix: Water  
Sample ID: **Keene Residence** Date Collected: 02/12/21 11:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### FIELD PARAMETERS

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	375.9	umhos/cm	1				2/12/2021 11:36
Dissolved Oxygen	0.18	mg/L	1				2/12/2021 11:36
ORP-2580BW	133.1	mV	1				2/12/2021 11:36
Temperature	24	°C	1				2/12/2021 11:36
Turbidity	1.13	NTU	1				2/12/2021 11:36
pH	7.29	SU	1				2/12/2021 11:36

### METALS

Analysis Desc: SW846 6010B Preparation Method: SW-846 3010A  
Analysis,Water Analytical Method: SW-846 6010

Beryllium	0.0020	U	mg/L	1	0.010	0.0020	2/24/2021 18:53	T
Iron	0.13	I	mg/L	1	0.10	0.0067	2/24/2021 18:53	T
Sodium	6.8	I	mg/L	1	1.0	0.80	2/24/2021 18:53	T
Zinc	0.080	I	mg/L	1	0.10	0.050	2/24/2021 18:53	T

Analysis Desc: SW846 6020B Preparation Method: SW-846 3010A  
Analysis,Total Analytical Method: SW-846 6020

Antimony	0.0010	U	mg/L	1	0.0040	0.0010	2/19/2021 22:33	J
Arsenic	0.00035	I	mg/L	1	0.0010	0.00025	2/16/2021 19:26	J
Barium	0.0039	I	mg/L	1	0.0020	0.00050	2/16/2021 19:26	J
Cadmium	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:56	J
Chromium	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 19:26	J
Cobalt	0.00025	U	mg/L	1	0.0010	0.00025	2/22/2021 17:56	J
Copper	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 19:26	J
Lead	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 19:26	J
Nickel	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 19:26	J
Selenium	0.0012	U	mg/L	1	0.0050	0.0012	2/16/2021 19:26	J
Silver	0.00050	U	mg/L	1	0.0020	0.00050	2/16/2021 19:26	J
Thallium	0.00025	U	mg/L	1	0.0010	0.00025	2/16/2021 19:26	J
Vanadium	0.0010	U	mg/L	1	0.0040	0.0010	2/16/2021 19:26	J

Analysis Desc: SW846 7470A Preparation Method: SW-846 7470A  
Analysis,Water Analytical Method: SW-846 7470A

Mercury	0.000028	U	mg/L	1	0.00010	0.000028	2/26/2021 13:38	T
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### VOLATILES

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306039** Date Received: 02/12/21 13:15 Matrix: Water  
 Sample ID: **Keene Residence** Date Collected: 02/12/21 11:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water		Preparation Method: SW-846 5030B						
		Analytical Method: SW-846 8260B						
1,1,1,2-Tetrachloroethane	<b>0.47</b>	U	ug/L	1	1.0	0.47	2/23/2021 16:49	T
1,1,1-Trichloroethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 16:49	T
1,1,2,2-Tetrachloroethane	<b>0.20</b>	U	ug/L	1	1.0	0.20	2/23/2021 16:49	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 16:49	T
1,1-Dichloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/23/2021 16:49	T
1,1-Dichloroethylene	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 16:49	T
1,2-Dichlorobenzene	<b>0.44</b>	U	ug/L	1	1.0	0.44	2/23/2021 16:49	T
1,2-Dichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 16:49	T
1,2-Dichloropropane	<b>0.18</b>	U	ug/L	1	1.0	0.18	2/23/2021 16:49	T
1,4-Dichlorobenzene	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 16:49	T
2-Butanone (MEK)	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/23/2021 16:49	T
2-Hexanone	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 16:49	T
4-Methyl-2-pentanone (MIBK)	<b>0.40</b>	U	ug/L	1	1.0	0.40	2/23/2021 16:49	T
Acetone	<b>2.4</b>	V	ug/L	1	2.0	0.90	2/23/2021 16:49	T
Acrylonitrile	<b>0.38</b>	U	ug/L	1	5.0	0.38	2/23/2021 16:49	T
Benzene	<b>0.28</b>	U	ug/L	1	1.0	0.28	2/23/2021 16:49	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	2/23/2021 16:49	T
Bromodichloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 16:49	T
Bromoform	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 16:49	T
Bromomethane	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/23/2021 16:49	T
Carbon Disulfide	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 16:49	T
Carbon Tetrachloride	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 16:49	T
Chlorobenzene	<b>0.38</b>	U	ug/L	1	1.0	0.38	2/23/2021 16:49	T
Chloroethane	<b>0.42</b>	U	ug/L	1	1.0	0.42	2/23/2021 16:49	T
Chloroform	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/23/2021 16:49	T
Chloromethane	<b>0.39</b>	U	ug/L	1	1.0	0.39	2/23/2021 16:49	T
Dibromochloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	2/23/2021 16:49	T
Dibromomethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	2/23/2021 16:49	T
Ethylbenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/23/2021 16:49	T
Iodomethane (Methyl Iodide)	<b>0.83</b>	U	ug/L	1	1.0	0.83	2/23/2021 16:49	T
Methylene Chloride	<b>0.56</b>	U	ug/L	1	1.0	0.56	2/23/2021 16:49	T
Styrene	<b>0.29</b>	U	ug/L	1	1.0	0.29	2/23/2021 16:49	T
Tetrachloroethylene (PCE)	<b>0.45</b>	U	ug/L	1	1.0	0.45	2/23/2021 16:49	T
Toluene	<b>0.66</b>	U	ug/L	1	1.0	0.66	2/23/2021 16:49	T
Trichloroethene	<b>0.32</b>	U	ug/L	1	1.0	0.32	2/23/2021 16:49	T
Trichlorofluoromethane	<b>0.26</b>	U	ug/L	1	1.0	0.26	2/23/2021 16:49	T
Vinyl Acetate	<b>0.37</b>	U	ug/L	1	1.0	0.37	2/23/2021 16:49	T

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## ANALYTICAL RESULTS

Workorder: T2102306 SELF Semi-Annual SW

Lab ID: **T2102306039** Date Received: 02/12/21 13:15 Matrix: Water  
 Sample ID: **Keene Residence** Date Collected: 02/12/21 11:36

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Vinyl Chloride	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	2/23/2021 16:49	T
Xylene (Total)	<b>1.3</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	1.3	2/23/2021 16:49	T
cis-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:49	T
cis-1,3-Dichloropropene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/23/2021 16:49	T
trans-1,2-Dichloroethylene	<b>0.39</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.39	2/23/2021 16:49	T
trans-1,3-Dichloropropylene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	2/23/2021 16:49	T
trans-1,4-Dichloro-2-butene	<b>0.46</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.46	2/23/2021 16:49	T
1,2-Dichloroethane-d4 (S)	<b>106</b>		%	<b>1</b>	70-128		2/23/2021 16:49	
Toluene-d8 (S)	<b>98</b>		%	<b>1</b>	77-119		2/23/2021 16:49	
Bromofluorobenzene (S)	<b>116</b>		%	<b>1</b>	86-123		2/23/2021 16:49	

Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2,3-Trichloropropane	<b>0.015</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.015	2/23/2021 16:49	T
1,2-Dibromo-3-Chloropropane	<b>0.023</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.030	0.023	2/23/2021 16:49	T
Ethylene Dibromide (EDB)	<b>0.019</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.019	2/23/2021 16:49	T
1,2-Dichloroethane-d4 (S)	<b>96</b>		%	<b>1</b>	70-130		2/23/2021 16:49	
Toluene-d8 (S)	<b>79</b>		%	<b>1</b>	70-130		2/23/2021 16:49	
Bromofluorobenzene (S)	<b>93</b>		%	<b>1</b>	70-130		2/23/2021 16:49	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.20</b>		<b>mg/L</b>	<b>1</b>	0.030	0.015	2/18/2021 15:12	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>230</b>		<b>mg/L</b>	<b>1</b>	10	10	2/17/2021 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>24</b>		<b>mg/L</b>	<b>1</b>	5.0	2.6	2/22/2021 15:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	<b>0.092</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10	0.092	2/12/2021 17:40	T

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: T2102306 SELF Semi-Annual SW

### PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- Ø
- V Method Blank Contamination
- [1] SAMPLES 2-7 FILTERED: 2/9/21 18:00
- J4 Estimated Result

### LAB QUALIFIERS

- G DOH Certification #E82001(AEL-G)(FL NELAC Certification)
- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)
- T^ Not Certified

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: MICt/1223 Analysis Method: SM 9222D

QC Batch Method: SM 9222D Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007

METHOD BLANK: 3778751

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Coliform Fecal	#/100 mL	1	1 U

METHOD BLANK: 3778763

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Coliform Fecal	#/100 mL	1	1 U

SAMPLE DUPLICATE: 3778752

Original: T2102306003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
Microbiology Coliform Fecal	#/100 mL	40	40	0	
QC Batch: WCAt/1758			Analysis Method:	SM 5210B	
QC Batch Method: SM 5210B			Prepared:		
Associated Lab Samples:	T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007				

METHOD BLANK: 3780458

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY Biochemical Oxygen Demand	mg/L	2.0	2.0 U

LABORATORY CONTROL SAMPLE: 3780459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
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WET CHEMISTRY

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3780459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Biochemical Oxygen Demand	mg/L	200	180	90	84.6-115.4

SAMPLE DUPLICATE: 3780460                              Original: G2101183001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Biochemical Oxygen Demand	mg/L	2.0U	2.0	19	20
QC Batch:	WCAt/1760		Analysis Method:	SM 4500NO3-F	
QC Batch Method:	SM 4500NO3-F		Prepared:		
Associated Lab Samples:	T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007				

METHOD BLANK: 3780498

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrate (as N)	mg/L	0.092	0.092 U

LABORATORY CONTROL SAMPLE: 3780499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Nitrate (as N)	mg/L	1	0.93	93	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3780500                              Original: T2102306003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	0.006	1	1.0	1.1	101	107	90-110	6	10	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/1801 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T2102306009, T2102306010, T2102306011, T2102306012, T2102306013, T2102306014, T2102306015, T2102306016

METHOD BLANK: 3782614

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrate (as N)	mg/L	0.092	0.092 U

LABORATORY CONTROL SAMPLE: 3782615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Nitrate (as N)	mg/L	1	1.0	102	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3782616 3782617 Original: T2102306010

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	0.28	1	1.3	1.3	102	101	90-110	1	1	10

QC Batch: WCAt/1809 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Prepared:

Associated Lab Samples: T2102306007

METHOD BLANK: 3782691

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Suspended Solids	mg/L	1.0	1.0 U

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## **QUALITY CONTROL DATA**

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3782692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
<b>WET CHEMISTRY</b>						
Total Suspended Solids	mg/L	200	190	95	85-115	

SAMPLE DUPLICATE: 3782693

Original: T2102230001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>						
Total Suspended Solids	mg/L	230	220	4	10	
QC Batch:	MSVt/1253		Analysis Method:		SW-846	8260B
QC Batch Method:	SW-846 5030B		Prepared:		02/10/2021	22:26
Associated Lab Samples:	T2102306001, T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007,					

METHOD BLANK: 3782867

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>VOLATILES</b>				
Chloromethane	ug/L	0.39	0.39	U
Vinyl Chloride	ug/L	0.44	0.44	U
Bromomethane	ug/L	0.32	0.32	U
Chloroethane	ug/L	0.42	0.42	U
Trichlorofluoromethane	ug/L	0.26	0.26	U
Acetone	ug/L	0.90	0.90	U
1,1-Dichloroethylene	ug/L	0.41	0.41	U
Iodomethane (Methyl Iodide)	ug/L	0.83	0.83	U
Acrylonitrile	ug/L	0.38	0.38	U
Methylene Chloride	ug/L	3.2	0.56	
Carbon Disulfide	ug/L	0.42	0.42	U
trans-1,2-Dichloroethylene	ug/L	0.39	0.39	U
1,1-Dichloroethane	ug/L	0.38	0.38	U
Vinyl Acetate	ug/L	0.37	0.37	U
2-Butanone (MEK)	ug/L	0.33	0.33	U
cis-1,2-Dichloroethylene	ug/L	0.39	0.39	U
Bromochloromethane	ug/L	0.33	0.33	U
Chloroform	ug/L	0.37	0.37	U
1,2-Dichloroethane	ug/L	0.40	0.40	U
1,1,1-Trichloroethane	ug/L	0.39	0.39	U
Carbon Tetrachloride	ug/L	0.41	0.41	U
Benzene	ug/L	0.28	0.28	U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3782867

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
Dibromomethane	ug/L	0.41	0.41	U
1,2-Dichloropropane	ug/L	0.18	0.18	U
Trichloroethene	ug/L	0.32	0.32	U
Bromodichloromethane	ug/L	0.39	0.39	U
cis-1,3-Dichloropropene	ug/L	0.26	0.26	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.40	0.40	U
trans-1,3-Dichloropropylene	ug/L	0.26	0.26	U
1,1,2-Trichloroethane	ug/L	0.40	0.40	U
Toluene	ug/L	0.66	0.66	U
2-Hexanone	ug/L	0.42	0.42	U
Dibromochloromethane	ug/L	0.36	0.36	U
Tetrachloroethylene (PCE)	ug/L	0.45	0.45	U
1,1,1,2-Tetrachloroethane	ug/L	0.47	0.47	U
Chlorobenzene	ug/L	0.38	0.38	U
Ethylbenzene	ug/L	0.56	0.56	U
Bromoform	ug/L	0.36	0.36	U
Styrene	ug/L	0.29	0.29	U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,4-Dichlorobenzene	ug/L	0.36	0.36	U
1,2-Dichlorobenzene	ug/L	0.44	0.44	U
trans-1,4-Dichloro-2-butene	ug/L	0.46	0.46	U
Xylene (Total)	ug/L	1.3	1.3	U
1,2-Dichloroethane-d4 (S)	%	85	70-128	
Toluene-d8 (S)	%	87	77-119	
Bromofluorobenzene (S)	%	101	86-123	

LABORATORY CONTROL SAMPLE & LCSD: 3782868                    3782869

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
<b>VOLATILES</b>									
Chloromethane	ug/L	20	24	23	121	113		7	
Vinyl Chloride	ug/L	20	23	23	116	115	70-130	0	20
Bromomethane	ug/L	20	23	24	113	120		6	
Chloroethane	ug/L	20	21	28	106	141		29	
Trichlorofluoromethane	ug/L	20	22	22	109	110		1	
Acetone	ug/L	20	24	25	119	126		5	
1,1-Dichloroethylene	ug/L	20	21	23	107	113	70-130	5	20
Iodomethane (Methyl Iodide)	ug/L	20	24	27	121	133		9	
Acrylonitrile	ug/L	20	23	23	114	116		2	
Methylene Chloride	ug/L	20	25	25	124	110		2	
Carbon Disulfide	ug/L	20	24	25	121	125		3	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE & LCSD: 3782868                    3782869

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
trans-1,2-Dichloroethylene	ug/L	20	22	23	110	114		4	
1,1-Dichloroethane	ug/L	20	23	23	114	117		3	
Vinyl Acetate	ug/L	20	10	11	51	54		5	
2-Butanone (MEK)	ug/L	20	25	25	125	127		2	
cis-1,2-Dichloroethylene	ug/L	20	22	23	108	113	70-130	4	20
Bromochloromethane	ug/L	20	24	24	122	121		0	
Chloroform	ug/L	20	23	24	115	118	70-130	3	20
1,2-Dichloroethane	ug/L	20	21	21	103	107		3	
1,1,1-Trichloroethane	ug/L	20	21	21	103	105		2	
Carbon Tetrachloride	ug/L	20	20	20	101	101		0	
Benzene	ug/L	20	23	24	115	118	70-130	2	20
Dibromomethane	ug/L	20	22	23	111	116		4	
1,2-Dichloropropane	ug/L	20	24	24	119	120		1	
Trichloroethylene	ug/L	20	26	26	128	129	70-130	1	20
Bromodichloromethane	ug/L	20	22	23	110	114		4	
cis-1,3-Dichloropropene	ug/L	20	23	24	116	118		2	
4-Methyl-2-pentanone (MIBK)	ug/L	20	24	24	120	122		2	
trans-1,3-Dichloropropylene	ug/L	20	22	23	112	114		2	
1,1,2-Trichloroethane	ug/L	20	22	23	112	117		4	
Toluene	ug/L	20	20	20	102	102	70-130	0	20
2-Hexanone	ug/L	20	20	20	101	101		0	
Dibromochloromethane	ug/L	20	18	18	90	90		1	
Tetrachloroethylene (PCE)	ug/L	20	19	20	95	98	70-130	3	20
1,1,1,2-Tetrachloroethane	ug/L	20	19	19	93	95		2	
Chlorobenzene	ug/L	20	21	21	105	103	70-130	2	20
Ethylbenzene	ug/L	20	20	20	100	98	70-130	2	20
Bromoform	ug/L	20	17	16	85	81		4	
Styrene	ug/L	20	20	20	98	99		2	
1,1,2,2-Tetrachloroethane	ug/L	20	17	17	86	87		2	
1,4-Dichlorobenzene	ug/L	20	19	20	95	99		4	
1,2-Dichlorobenzene	ug/L	20	19	19	96	97	70-130	1	20
Xylene (Total)	ug/L	60	58	58	97	97	70-130	1	20
1,2-Dichloroethane-d4 (S)	%				88	91	70-128	3	
Toluene-d8 (S)	%				86	86	77-119	0	
Bromofluorobenzene (S)	%				99	101	86-123	2	

MATRIX SPIKE SAMPLE: 3782870

Original: T2102306017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
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VOLATILES

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3782870		Original: T2102306017				
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
Chloromethane	ug/L	0	20	24	119	
Vinyl Chloride	ug/L	0	20	24	122	70-130
Bromomethane	ug/L	0	20	35	175	
Chloroethane	ug/L	0	20	30	152	
Trichlorofluoromethane	ug/L	0	20	23	114	
Acetone	ug/L	1	20	24	114	
1,1-Dichloroethylene	ug/L	0	20	22	112	70-130
Iodomethane (Methyl Iodide)	ug/L	0	20	30	150	
Acrylonitrile	ug/L	0	20	24	120	
Methylene Chloride	ug/L	0	20	23	113	
Carbon Disulfide	ug/L	0	20	25	123	
trans-1,2-Dichloroethylene	ug/L	0	20	23	114	
1,1-Dichloroethane	ug/L	0	20	24	118	
Vinyl Acetate	ug/L	0	20	25	123	
2-Butanone (MEK)	ug/L	0	20	24	121	
cis-1,2-Dichloroethylene	ug/L	0	20	23	114	70-130
Bromochloromethane	ug/L	0	20	25	126	
Chloroform	ug/L	0	20	24	120	70-130
1,2-Dichloroethane	ug/L	0	20	22	108	
1,1,1-Trichloroethane	ug/L	0	20	22	109	
Carbon Tetrachloride	ug/L	0	20	22	110	
Benzene	ug/L	0	20	23	117	70-130
Dibromomethane	ug/L	0	20	23	115	
1,2-Dichloropropane	ug/L	0	20	25	123	
Trichloroethene	ug/L	0	20	23	114	70-130
Bromodichloromethane	ug/L	0	20	23	115	
cis-1,3-Dichloropropene	ug/L	0	20	23	115	
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	24	120	
trans-1,3-Dichloropropylene	ug/L	0	20	22	109	
1,1,2-Trichloroethane	ug/L	0	20	22	111	
Toluene	ug/L	0	20	21	103	70-130
2-Hexanone	ug/L	0	20	21	103	
Dibromochloromethane	ug/L	0	20	19	93	
Tetrachloroethylene (PCE)	ug/L	0	20	19	96	70-130
1,1,1,2-Tetrachloroethane	ug/L	0	20	20	98	
Chlorobenzene	ug/L	0	20	21	107	70-130
Ethylbenzene	ug/L	0	20	20	99	70-130
Bromoform	ug/L	0	20	17	83	
Styrene	ug/L	0	20	19	96	
1,1,2,2-Tetrachloroethane	ug/L	0	20	20	102	
1,4-Dichlorobenzene	ug/L	0	20	19	96	
1,2-Dichlorobenzene	ug/L	0	20	19	94	70-130

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3782870                      Original: T2102306017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	0	60	60	99	70-130	
1,2-Dichloroethane-d4 (S)	%	89			82	70-128	
Toluene-d8 (S)	%	85			88	77-119	
Bromofluorobenzene (S)	%	102			95	86-123	

QC Batch: MSVt/1255                      Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B                      Prepared: 02/10/2021 22:26

Associated Lab Samples: T2102306001, T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007,

METHOD BLANK: 3782879

Parameter	Units	Blank Result	Reporting Limit Qualifiers		
<b>VOLATILES</b>					
Ethylene Dibromide (EDB)	ug/L	0.019	0.019	U	
1,2-Dibromo-3-Chloropropane	ug/L	0.023	0.023	U	
1,2-Dichloroethane-d4 (S)	%	83	70-130		
Toluene-d8 (S)	%	89	70-130		
Bromofluorobenzene (S)	%	99	70-130		

LABORATORY CONTROL SAMPLE & LCSD: 3782880                      3782881

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
<b>VOLATILES</b>									
Ethylene Dibromide (EDB)	ug/L	0.8	0.85	0.81	106	101	70-130	4	30
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.72	0.81	89	101	70-130	13	30
1,2-Dichloroethane-d4 (S)	%				84	82	70-130	3	
Toluene-d8 (S)	%				93	89	70-130	5	
Bromofluorobenzene (S)	%				96	98	70-130	2	

MATRIX SPIKE SAMPLE: 3782882                      Original: T2102306017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
<b>VOLATILES</b>							
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.80	100	70-130	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3782882                      Original: T2102306017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.77	96	70-130	
1,2-Dichloroethane-d4 (S)	%	89			84	70-130	
Toluene-d8 (S)	%	85			88	70-130	
Bromofluorobenzene (S)	%	102			99	70-130	

QC Batch: WCAt/1835                      Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F              Prepared:

Associated Lab Samples: T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027

METHOD BLANK: 3783777

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Nitrate (as N)	mg/L	0.092	0.092 U

LABORATORY CONTROL SAMPLE: 3783778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
<b>WET CHEMISTRY</b>						
Nitrate (as N)	mg/L	1	0.93	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3783779              3783780              Original: T2102513001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Nitrate (as N)	mg/L	-0.007	1	1.1	1.0	107	103	90-110	4	10	

QC Batch: WCAt/1846                      Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C              Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007, T2102306009,

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3784133

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 3784134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	660	630	95	85-115

SAMPLE DUPLICATE: 3784135

Original: T2102306003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	120	120	7	10
QC Batch:	WCAt/1849		Analysis Method:	SM 4500NO3-F	
QC Batch Method:	SM 4500NO3-F		Prepared:		
Associated Lab Samples:	T2102306029, T2102306030, T2102306031, T2102306032, T2102306033				

METHOD BLANK: 3784180

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Nitrate (as N)	mg/L	0.092	0.092 U

LABORATORY CONTROL SAMPLE: 3784181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Nitrate (as N)	mg/L	1	0.90	90	90-110

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3784182      3784183      Original: T2102593001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>WET CHEMISTRY</b>											
Nitrate (as N)	mg/L	0.19	1	1.2	1.2	102	102	90-110	0	10	

QC Batch: WCAg/1421      Analysis Method: SM 5310B

QC Batch Method: SM 5310B      Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007

METHOD BLANK: 3784464

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Total Organic Carbon	mg/L	1.0	1.0 U

METHOD BLANK: 3784468

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Total Organic Carbon	mg/L	1.0	1.0 U

LABORATORY CONTROL SAMPLE: 3784460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Organic Carbon	mg/L	10	10	101	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3784465      3784466      Original: S2100304001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>WET CHEMISTRY</b>											
Total Organic Carbon	mg/L	0.47	10	25	25	254	253	90-110	0	10	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/1851 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T2102306013, T2102306014, T2102306015, T2102306016, T2102306017, T2102306019, T2102306020,

METHOD BLANK: 3784500

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 3784501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	660	670	102	85-115

SAMPLE DUPLICATE: 3784502 Original: T2102306013

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	160	150	4	10
QC Batch: WCAt/1856 Analysis Method: SM 2540D					
QC Batch Method: SM 2540D Prepared:					
Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006					

METHOD BLANK: 3784740

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Suspended Solids	mg/L	1.0	1.0 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3784741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Suspended Solids	mg/L	200	220	111	85-115

SAMPLE DUPLICATE: 3784742                                  Original: T2102293003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>					
Total Suspended Solids	mg/L	190	180	3	10
QC Batch:	DGMt/1208		Analysis Method:	SW-846 7470A	
QC Batch Method:	SW-846 7470A		Prepared:	02/12/2021 15:00	
Associated Lab Samples:	T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007, T2102306009,				

METHOD BLANK: 3785475

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Mercury	mg/L	0.000028	0.000028	U

LABORATORY CONTROL SAMPLE: 3785476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Mercury	mg/L	0.001	0.0011	106	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3785477                                  3785478                                  Original: G2101183001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Mercury	mg/L	2.6e-005	0.001	0.0010	0.00094	100	94	80-120	6	20	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/1882 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T2102306035, T2102306036, T2102306037, T2102306039

METHOD BLANK: 3785505

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Nitrate (as N)	mg/L	0.092	0.092 U

LABORATORY CONTROL SAMPLE: 3785506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Nitrate (as N)	mg/L	1	1.0	103	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3785507 3785508 Original: T2102306039

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Nitrate (as N)	mg/L	0.003	1	1.0	0.97	103	97	90-110	6	10	

QC Batch: DGMj/1149 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 02/16/2021 04:14

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007, T2102306009,

METHOD BLANK: 3786288

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>METALS</b>			
Vanadium	mg/L	0.0010	0.0010 U
Chromium	mg/L	0.00050	0.00050 U
Cobalt	mg/L	0.00025	0.00025 U
Nickel	mg/L	0.0012	0.0012 U
Copper	mg/L	0.0010	0.0010 U
Arsenic	mg/L	0.00025	0.00025 U
Selenium	mg/L	0.0012	0.0012 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3786288

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Silver	mg/L	0.00050	0.00050 U
Cadmium	mg/L	0.00025	0.00025 U
Barium	mg/L	0.00050	0.00050 U
Thallium	mg/L	0.00025	0.00025 U
Lead	mg/L	0.00050	0.00050 U

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Antimony	mg/L	0.0010	0.0010 U

LABORATORY CONTROL SAMPLE: 3786289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Vanadium	mg/L	0.02	0.020	101	80-120
Chromium	mg/L	0.04	0.040	99	80-120
Cobalt	mg/L	0.05	0.050	100	80-120
Nickel	mg/L	0.02	0.019	97	80-120
Copper	mg/L	0.02	0.021	103	80-120
Arsenic	mg/L	0.01	0.010	104	80-120
Selenium	mg/L	0.02	0.021	103	80-120
Silver	mg/L	0.01	0.010	100	80-120
Cadmium	mg/L	0.2	0.21	103	80-120
Barium	mg/L	0.01	0.010	103	80-120
Thallium	mg/L	0.002	0.0020	101	80-120
Lead	mg/L	0.02	0.020	100	80-120

LABORATORY CONTROL SAMPLE: 3786289

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Antimony	mg/L	0.04	0.038	95	80-120

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786290      3786291      Original: G2101183001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Vanadium	mg/L	2.8e-005	0.02	0.021	0.021	106	106	75-125	0	20	
Chromium	mg/L	0	0.04	0.040	0.041	101	103	75-125	2	20	
Cobalt	mg/L	0	0.05	0.051	0.051	102	103	75-125	0	20	
Nickel	mg/L	0	0.02	0.020	0.020	100	102	75-125	2	20	
Copper	mg/L	0	0.02	0.021	0.022	105	108	75-125	3	20	
Arsenic	mg/L	0.00014	0.01	0.011	0.011	107	109	75-125	2	20	
Selenium	mg/L	0	0.02	0.021	0.021	104	104	75-125	0	20	
Silver	mg/L	0	0.01	0.0099	0.0098	99	98	75-125	1	20	
Cadmium	mg/L	0	0.2	0.21	0.21	103	104	75-125	0	20	
Antimony	mg/L	0.0011	0.04	0.055	0.055	135	136	75-125	0	20	
Barium	mg/L	0	0.01	0.022	0.022	219	218	75-125	1	20	
Thallium	mg/L	0	0.002	0.0021	0.0020	104	102	75-125	1	20	
Lead	mg/L	0	0.02	0.020	0.020	101	102	75-125	1	20	

QC Batch: DGMj/1150

Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A

Prepared: 02/16/2021 04:14

Associated Lab Samples: T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027, T2102306029,

METHOD BLANK: 3786298

Parameter	Units	Blank Result	Reporting Limit Qualifiers	
<b>METALS</b>				
Vanadium	mg/L	0.0010	0.0010	U
Chromium	mg/L	0.00050	0.00050	U
Cobalt	mg/L	0.00025	0.00025	U
Nickel	mg/L	0.0012	0.0012	U
Copper	mg/L	0.0010	0.0010	U
Arsenic	mg/L	0.00025	0.00025	U
Selenium	mg/L	0.0012	0.0012	U
Silver	mg/L	0.00050	0.00050	U
Cadmium	mg/L	0.00025	0.00025	U
Barium	mg/L	0.00050	0.00050	U
Thallium	mg/L	0.00025	0.00025	U
Lead	mg/L	0.00050	0.00050	U
Parameter	Units	Blank Result	Reporting Limit Qualifiers	
<b>METALS</b>				
Antimony	mg/L	0.0010	0.0010	U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3786299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Vanadium	mg/L	0.02	0.019	97	80-120
Chromium	mg/L	0.04	0.038	94	80-120
Cobalt	mg/L	0.05	0.048	96	80-120
Nickel	mg/L	0.02	0.019	93	80-120
Copper	mg/L	0.02	0.020	102	80-120
Arsenic	mg/L	0.01	0.0094	94	80-120
Selenium	mg/L	0.02	0.019	95	80-120
Silver	mg/L	0.01	0.0094	94	80-120
Cadmium	mg/L	0.2	0.19	96	80-120
Barium	mg/L	0.01	0.0097	97	80-120
Thallium	mg/L	0.002	0.0019	96	80-120
Lead	mg/L	0.02	0.019	95	80-120

LABORATORY CONTROL SAMPLE: 3786299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Antimony	mg/L	0.04	0.032	81	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786300                    3786301                    Original: T2102306022

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Max Qualifiers
<b>METALS</b>											
Vanadium	mg/L	0.0047	0.02	0.025	0.024	103	98	75-125	3	20	
Chromium	mg/L	0.002	0.04	0.042	0.040	100	95	75-125	4	20	
Cobalt	mg/L	0.00087	0.05	0.051	0.049	101	96	75-125	5	20	
Nickel	mg/L	0.0012	0.02	0.020	0.019	101	95	75-125	5	20	
Copper	mg/L	0.00018	0.02	0.021	0.020	105	101	75-125	4	20	
Arsenic	mg/L	0.013	0.01	0.023	0.022	104	94	75-125	5	20	
Selenium	mg/L	0.0015	0.02	0.014	0.013	61	56	75-125	7	20	
Silver	mg/L	4e-007	0.01	0.0096	0.0093	96	93	75-125	3	20	
Cadmium	mg/L	0	0.2	0.20	0.20	102	99	75-125	3	20	
Barium	mg/L	0.00086	0.01	0.011	0.011	102	98	75-125	4	20	
Thallium	mg/L	0.00025	0.002	0.0023	0.0022	114	111	75-125	3	20	
Lead	mg/L	4.2e-005	0.02	0.020	0.020	100	98	75-125	2	20	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786300      3786301      Original: T2102306022

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Antimony	mg/L	0.00036	0.04	0.048	0.045	120	113	75-125	5	20	

QC Batch: WCAt/1907      Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4      Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007

METHOD BLANK: 3786308

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Chemical Oxygen Demand	mg/L	20	20 U

LABORATORY CONTROL SAMPLE: 3786309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Chemical Oxygen Demand	mg/L	500	490	99	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786311      3786312      Original: T2102306003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Chemical Oxygen Demand	mg/L	17	500	500	500	100	100	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786315      3786316      Original: A2101252001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Chemical Oxygen Demand	mg/L	36	500	540	540	101	101	90-110	0	10	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/1914 Analysis Method: SM 4500-CI-E

QC Batch Method: SM 4500-CI-E Prepared:

Associated Lab Samples: T2102306009, T2102306010, T2102306011, T2102306012, T2102306013, T2102306014, T2102306015

METHOD BLANK: 3786597

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>WET CHEMISTRY</b>				
Chloride	mg/L	2.6	2.6	U

LABORATORY CONTROL SAMPLE: 3786598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
					Limits	Qualifiers
<b>WET CHEMISTRY</b>						
Chloride	mg/L	50	47	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786601 3786602 Original: T2102429001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>										
Chloride	mg/L	90	50	88	90	-4	-1	90-110	2	10

QC Batch: WCAt/1915 Analysis Method: SM 4500-CI-E

QC Batch Method: SM 4500-CI-E Prepared:

Associated Lab Samples: T2102306016, T2102306017, T2102306019, T2102306020

METHOD BLANK: 3786606

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>WET CHEMISTRY</b>				
Chloride	mg/L	2.6	2.6	U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3786607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Chloride	mg/L	50	51	102	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3786610      3786611      Original: T2102306016

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>WET CHEMISTRY</b>											
Chloride	mg/L	130	40	130	120	17	-14	90-110	10	10	10

QC Batch: WCAt/1932      Analysis Method: SM 2340C

QC Batch Method: SM 2340C      Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007

METHOD BLANK: 3787266

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Hardness (as CaCO <sub>3</sub> )	mg/L	4.0	4.0 U

LABORATORY CONTROL SAMPLE: 3787267

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Hardness (as CaCO <sub>3</sub> )	mg/L	400	410	102	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3787268      3787269      Original: T2101973001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>WET CHEMISTRY</b>											
Hardness (as CaCO <sub>3</sub> )	mg/L	210	200	410	420	100	106	90-110	3	10	10

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/1957 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T2102306035, T2102306036, T2102306037, T2102306039

METHOD BLANK: 3788314

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 3788315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	660	620	94	85-115

SAMPLE DUPLICATE: 3788316

Original: T2102306036

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	250	230	7	10
QC Batch:	DGMt/1220		Analysis Method:	SW-846 6010	
QC Batch Method:	SW-846 3010A		Prepared:	02/17/2021 09:30	
Associated Lab Samples:	T2102306002, T2102306003, T2102306004				

METHOD BLANK: 3788406

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>METALS</b>			
Beryllium	ug/L	2.0	2.0 U
Iron	ug/L	6.7	6.7 U
Zinc	ug/L	50	50 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3788407

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Beryllium	ug/L	1000	870	87	80-120
Iron	ug/L	1000	920	92	80-120
Zinc	ug/L	1000	910	91	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3788408                    3788409                    Original: T2102860001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
<b>METALS</b>											
Beryllium	ug/L			900	880			2	20		
Iron	ug/L			2900	2900			1	20		
Zinc	ug/L			920	950			3	20		

QC Batch: DGMt/1225                    Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A                    Prepared: 02/17/2021 14:00

Associated Lab Samples: T2102306017, T2102306019, T2102306020, T2102306022, T2102306023, T2102306024, T2102306025,

METHOD BLANK: 3789180

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Mercury	mg/L	0.000028	0.000028	U

LABORATORY CONTROL SAMPLE: 3789181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Mercury	mg/L	0.001	0.0011	107	80-120

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3789182      3789183      Original: T2102628001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Mercury	mg/L	0	0.001	0.00086	0.00082	86	82	80-120	4	20	

QC Batch: WCAt/1996      Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1      Prepared:

Associated Lab Samples: T2102306016, T2102306017, T2102306019, T2102306020

METHOD BLANK: 3790066

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Ammonia (N)	mg/L	0.015	0.015 U

LABORATORY CONTROL SAMPLE: 3790067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Ammonia (N)	mg/L	0.5	0.50	99	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790068      3790069      Original: T2102381001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Ammonia (N)	mg/L	0.05	1	1.0	1.0	98	96	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790070      3790071      Original: T2102306016

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Ammonia (N)	mg/L	0.67	1	1.7	1.7	104	104	90-110	0	10	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAt/2000 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T2102306009, T2102306010, T2102306011, T2102306012, T2102306013, T2102306014

METHOD BLANK: 3790111

Parameter	Units	Blank Result	Reporting Limit Qualifiers	
			LCS	% Rec
<b>WET CHEMISTRY</b>				
Ammonia (N)	mg/L	0.015	0.015	U

LABORATORY CONTROL SAMPLE: 3790112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec		
					Limits	Qualifiers	
<b>WET CHEMISTRY</b>							
Ammonia (N)	mg/L	0.5	0.51	102	90-110		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790113 3790114 Original: T2102318002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max
<b>WET CHEMISTRY</b>										
Ammonia (N)	mg/L	0.02	1	1.1	1.0	103	103	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790115 3790116 Original: T2102306010

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max
<b>WET CHEMISTRY</b>										
Ammonia (N)	mg/L	0.56	1	1.6	1.5	100	92	90-110	5	10

QC Batch: WCAt/2004 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3790578

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Ammonia (N)	mg/L	0.015	0.015 U

LABORATORY CONTROL SAMPLE: 3790579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Ammonia (N)	mg/L	0.5	0.50	100	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790580      3790581      Original: T2102306022

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.78	1	1.8	1.8	101	103	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790582      3790583      Original: T2102306024

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.11	1	1.1	1.1	100	101	90-110	1	10	

QC Batch: WCAt/2005      Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1      Prepared:

Associated Lab Samples: T2102306029, T2102306030, T2102306031, T2102306032, T2102306033, T2102306035, T2102306036

METHOD BLANK: 3790585

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Ammonia (N)	mg/L	0.015	0.015 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3790586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Ammonia (N)	mg/L	0.5	0.49	98	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790587 3790588 Original: T2102464008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	8.1	1	9.0	9.5	89	142	90-110	6	10	

QC Batch: WCAt/2006 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T2102306015, T2102306037, T2102306039

METHOD BLANK: 3790592

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Ammonia (N)	mg/L	0.015	0.015 U

LABORATORY CONTROL SAMPLE: 3790593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Ammonia (N)	mg/L	0.5	0.49	98	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790594 3790595 Original: T2102306037

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0	1	1.0	1.0	102	103	90-110	0	10	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

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QC Batch: DGMt/1235 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 02/18/2021 12:00

Associated Lab Samples: T2102306005, T2102306006, T2102306007, T2102306009, T2102306010, T2102306011

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METHOD BLANK: 3790729

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>METALS</b>				
Beryllium	mg/L	0.0020	0.0020	U
Iron	mg/L	0.0067	0.0067	U
Sodium	mg/L	0.80	0.80	U
Zinc	mg/L	0.050	0.050	U

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LABORATORY CONTROL SAMPLE: 3790730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
					Limits	Qualifiers
<b>METALS</b>						
Beryllium	mg/L	1	1.1	113	80-120	
Iron	mg/L	1	1.2	118	80-120	
Zinc	mg/L	1	1.1	111	80-120	

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LABORATORY CONTROL SAMPLE: 3790730

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
					Limits	Qualifiers
<b>METALS</b>						
Sodium	mg/L	10	9.5	95	80-120	

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MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3790731      3790732      Original: T2102686001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec			Max RPD	RPD Qualifiers
								Limit	RPD	Qualifiers		
<b>METALS</b>												
Beryllium	mg/L	0	1	1.1	1.1	113	112	75-125	1	20		
Iron	mg/L	9.2	1	10	10	107	99	75-125	1	20		
Sodium	mg/L	11	10	22	22	118	118	75-125	0	20		
Zinc	mg/L	0	1	1.1	1.1	110	109	75-125	1	20		

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

QC Batch: WCAg/1504 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: T2102306002, T2102306003, T2102306004, T2102306005, T2102306006, T2102306007

METHOD BLANK: 3791293

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Corrected Chlorophyll A	mg/m3	2.5	2.5 U

METHOD BLANK: 3791294

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Corrected Chlorophyll A	mg/m3	2.5	2.5 U

SAMPLE DUPLICATE: 3791295 Original: G2101392001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Corrected Chlorophyll A	mg/m3	2.5U	2.5	0	35
QC Batch:	WCAt/2071	Analysis Method:		EPA 365.4	
QC Batch Method:	Copper Sulfate Digestion	Prepared:		02/22/2021 16:00	
Associated Lab Samples: T2102306002, T2102306004, T2102306005, T2102306006, T2102306007					

METHOD BLANK: 3792765

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Phosphorus (as P)	mg/L	0.15	0.15 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3792767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
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WET CHEMISTRY

Total Phosphorus (as P) mg/L 1 1.1 108 90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792769 3792771 Original: F2100641002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
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WET CHEMISTRY

Total Phosphorus (as P) mg/L 4.1 1 4.3 4.4 24 33 80-120 2 20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3792773 3792775 Original: T2102306004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
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WET CHEMISTRY

Total Phosphorus (as P) mg/L 2.8 1 3.2 3.1 39 34 80-120 1 20

QC Batch: MSVt/1312 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 02/20/2021 01:15

Associated Lab Samples: T2102306021, T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027,

METHOD BLANK: 3792954

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Chloromethane	ug/L	0.39	0.39 U
Vinyl Chloride	ug/L	0.44	0.44 U
Bromomethane	ug/L	0.32	0.32 U
Chloroethane	ug/L	0.42	0.42 U
Trichlorofluoromethane	ug/L	0.26	0.26 U
Acetone	ug/L	3.5	0.90
1,1-Dichloroethylene	ug/L	0.41	0.41 U
Iodomethane (Methyl Iodide)	ug/L	0.83	0.83 U
Acrylonitrile	ug/L	0.38	0.38 U
Methylene Chloride	ug/L	4.2	0.56
Carbon Disulfide	ug/L	0.42	0.42 U
trans-1,2-Dichloroethylene	ug/L	0.39	0.39 U
1,1-Dichloroethane	ug/L	0.38	0.38 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3792954

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Vinyl Acetate	ug/L	0.37	0.37 U
2-Butanone (MEK)	ug/L	0.33	0.33 U
cis-1,2-Dichloroethylene	ug/L	0.39	0.39 U
Bromochloromethane	ug/L	0.33	0.33 U
Chloroform	ug/L	0.37	0.37 U
1,2-Dichloroethane	ug/L	0.40	0.40 U
1,1,1-Trichloroethane	ug/L	0.39	0.39 U
Carbon Tetrachloride	ug/L	0.41	0.41 U
Benzene	ug/L	0.28	0.28 U
Dibromomethane	ug/L	0.41	0.41 U
1,2-Dichloropropane	ug/L	0.18	0.18 U
Trichloroethene	ug/L	0.32	0.32 U
Bromodichloromethane	ug/L	0.39	0.39 U
cis-1,3-Dichloropropene	ug/L	0.26	0.26 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.40	0.40 U
trans-1,3-Dichloropropylene	ug/L	0.26	0.26 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.66	0.66 U
2-Hexanone	ug/L	0.42	0.42 U
Dibromochloromethane	ug/L	0.36	0.36 U
Ethylene Dibromide (EDB)	ug/L	0.29	0.29 U
Tetrachloroethylene (PCE)	ug/L	0.45	0.45 U
1,1,1,2-Tetrachloroethane	ug/L	0.47	0.47 U
Chlorobenzene	ug/L	0.38	0.38 U
Ethylbenzene	ug/L	0.56	0.56 U
Bromoform	ug/L	0.36	0.36 U
Styrene	ug/L	0.29	0.29 U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20 U
1,4-Dichlorobenzene	ug/L	0.36	0.36 U
1,2-Dichlorobenzene	ug/L	0.44	0.44 U
1,2-Dibromo-3-Chloropropane	ug/L	0.38	0.38 U
trans-1,4-Dichloro-2-butene	ug/L	0.46	0.46 U
Xylene (Total)	ug/L	1.3	1.3 U
1,2-Dichloroethane-d4 (S)	%	127	70-128
Toluene-d8 (S)	%	93	77-119
Bromofluorobenzene (S)	%	104	86-123

LABORATORY CONTROL SAMPLE & LCSD: 3792955                    3792956

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
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VOLATILES

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE & LCSD: 3792955                    3792956

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	% Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chloromethane	ug/L	20	16	17	82	87		6		
Vinyl Chloride	ug/L	20	21	22	103	110	70-130	7	20	
Bromomethane	ug/L	20	22	26	111	130		15		
Chloroethane	ug/L	20	24	25	119	124		4		
Trichlorofluoromethane	ug/L	20	21	22	107	112		4		
Acetone	ug/L	20	22	22	109	95		4		
1,1-Dichloroethylene	ug/L	20	17	18	86	90	70-130	5	20	
Iodomethane (Methyl Iodide)	ug/L	20	14	17	72	84		16		
Acrylonitrile	ug/L	20	20	22	100	109		9		
Methylene Chloride	ug/L	20	22	24	109	101		11		
Carbon Disulfide	ug/L	20	14	15	71	75		5		
trans-1,2-Dichloroethylene	ug/L	20	18	20	91	100		9		
1,1-Dichloroethane	ug/L	20	19	20	95	98		3		
Vinyl Acetate	ug/L	20	12	11	61	55		12		
2-Butanone (MEK)	ug/L	20	22	23	108	113		4		
cis-1,2-Dichloroethylene	ug/L	20	20	21	100	106	70-130	6	20	
Bromochloromethane	ug/L	20	21	21	106	106		0		
Chloroform	ug/L	20	20	21	102	107	70-130	6	20	
1,2-Dichloroethane	ug/L	20	23	25	114	124		8		
1,1,1-Trichloroethane	ug/L	20	20	22	101	109		7		
Carbon Tetrachloride	ug/L	20	22	23	109	117		7		
Benzene	ug/L	20	19	20	94	99	70-130	5	20	
Dibromomethane	ug/L	20	22	23	110	116		5		
1,2-Dichloropropane	ug/L	20	18	20	91	100		9		
Trichloroethene	ug/L	20	21	22	105	112	70-130	6	20	
Bromodichloromethane	ug/L	20	21	22	103	110		6		
cis-1,3-Dichloropropene	ug/L	20	20	21	102	107		4		
4-Methyl-2-pentanone (MIBK)	ug/L	20	21	23	107	116		8		
trans-1,3-Dichloropropylene	ug/L	20	22	23	109	116		7		
1,1,2-Trichloroethane	ug/L	20	19	20	94	102		8		
Toluene	ug/L	20	18	19	89	93	70-130	5	20	
2-Hexanone	ug/L	20	21	23	106	114		7		
Dibromochloromethane	ug/L	20	19	19	95	97		2		
Ethylene Dibromide (EDB)	ug/L	20	20	21	99	103		4		
Tetrachloroethylene (PCE)	ug/L	20	20	20	98	102	70-130	4	20	
1,1,1,2-Tetrachloroethane	ug/L	20	19	20	95	99		4		
Chlorobenzene	ug/L	20	18	19	88	94	70-130	7	20	
Ethylbenzene	ug/L	20	19	19	93	97	70-130	4	20	
Bromoform	ug/L	20	21	22	104	112		8		
Styrene	ug/L	20	18	19	91	97		7		
1,1,2,2-Tetrachloroethane	ug/L	20	17	18	86	89		3		
1,4-Dichlorobenzene	ug/L	20	17	18	83	92		10		
1,2-Dichlorobenzene	ug/L	20	17	17	84	87	70-130	3	20	
1,2-Dibromo-3-Chloropropane	ug/L	20	19	20	94	99		5		

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE & LCSD: 3792955                    3792956

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	% Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Xylene (Total)	ug/L	60	57	60	95	101	70-130	5	20
1,2-Dichloroethane-d4 (S)	%			121	118	70-128		2	
Toluene-d8 (S)	%			96	94	77-119		3	
Bromofluorobenzene (S)	%			97	93	86-123		4	

MATRIX SPIKE SAMPLE: 3792957                    Original: T2102306023

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
<b>VOLATILES</b>							
Chloromethane	ug/L	0	20	13	66		
Vinyl Chloride	ug/L	0	20	17	87	70-130	
Bromomethane	ug/L	0	20	26	131		
Chloroethane	ug/L	0	20	25	126		
Trichlorofluoromethane	ug/L	0	20	20	98		
Acetone	ug/L	4.9	20	24	94		
1,1-Dichloroethylene	ug/L	0	20	21	106	70-130	
Iodomethane (Methyl Iodide)	ug/L	0	20	19	93		
Acrylonitrile	ug/L	0	20	21	105		
Methylene Chloride	ug/L	0.71	20	26	128		
Carbon Disulfide	ug/L	0	20	17	87		
trans-1,2-Dichloroethylene	ug/L	0	20	22	111		
1,1-Dichloroethane	ug/L	0	20	22	109		
Vinyl Acetate	ug/L	0	20	2.4	12		
2-Butanone (MEK)	ug/L	0	20	22	109		
cis-1,2-Dichloroethylene	ug/L	0	20	22	112	70-130	
Bromochloromethane	ug/L	0	20	23	116		
Chloroform	ug/L	0	20	22	111	70-130	
1,2-Dichloroethane	ug/L	0	20	26	130		
1,1,1-Trichloroethane	ug/L	0	20	24	120		
Carbon Tetrachloride	ug/L	0	20	25	126		
Benzene	ug/L	0	20	21	105	70-130	
Dibromomethane	ug/L	0	20	24	121		
1,2-Dichloropropane	ug/L	0	20	21	106		
Trichloroethene	ug/L	0	20	23	116	70-130	
Bromodichloromethane	ug/L	0	20	23	116		
cis-1,3-Dichloropropene	ug/L	0	20	22	110		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	22	111		
trans-1,3-Dichloropropylene	ug/L	0	20	24	121		
1,1,2-Trichloroethane	ug/L	0	20	21	103		

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3792957                      Original: T2102306023

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	0	20	20	100	70-130	
2-Hexanone	ug/L	0	20	22	110		
Dibromochloromethane	ug/L	0	20	20	101		
Ethylene Dibromide (EDB)	ug/L	0	20	22	108		
Tetrachloroethylene (PCE)	ug/L	0	20	21	107	70-130	
1,1,1,2-Tetrachloroethane	ug/L	0	20	20	101		
Chlorobenzene	ug/L	0	20	20	98	70-130	
Ethylbenzene	ug/L	0	20	20	101	70-130	
Bromoform	ug/L	0	20	24	119		
Styrene	ug/L	0	20	20	101		
1,1,2,2-Tetrachloroethane	ug/L	0	20	18	92		
1,4-Dichlorobenzene	ug/L	0	20	18	91		
1,2-Dichlorobenzene	ug/L	0	20	18	89	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0	20	18	91		
Xylene (Total)	ug/L	0	60	63	104	70-130	
1,2-Dichloroethane-d4 (S)	%	127			117	70-128	
Toluene-d8 (S)	%	94			95	77-119	
Bromofluorobenzene (S)	%	100			94	86-123	

QC Batch: MSVt/1314

Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B

Prepared: 02/19/2021 23:30

Associated Lab Samples: T2102306021, T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027,

METHOD BLANK: 3792963

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>VOLATILES</b>			
Ethylene Dibromide (EDB)	ug/L	0.019	0.019 U
1,2-Dibromo-3-Chloropropane	ug/L	0.023	0.023 U
1,2-Dichloroethane-d4 (S)	%	118	70-130
Toluene-d8 (S)	%	74	70-130
Bromofluorobenzene (S)	%	83	70-130

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE & LCSD: 3792964                    3792965

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
<b>VOLATILES</b>									
Ethylene Dibromide (EDB)	ug/L	0.8	0.89	0.86	111	107	70-130	4	30
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.74	0.78	93	98	70-130	5	30
1,2-Dichloroethane-d4 (S)	%				113	115	70-130	1	
Toluene-d8 (S)	%				74	75	70-130	1	
Bromofluorobenzene (S)	%				79	83	70-130	5	

MATRIX SPIKE SAMPLE: 3792966

Original: T2102306022

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
<b>VOLATILES</b>						
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.87	109	70-130
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.70	88	70-130
1,2-Dichloroethane-d4 (S)	%	115			115	70-130
Toluene-d8 (S)	%	75			77	70-130
Bromofluorobenzene (S)	%	81			81	70-130

QC Batch: DGMt/1249

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A

Prepared: 02/22/2021 10:00

Associated Lab Samples: T2102306012, T2102306013, T2102306014, T2102306015, T2102306016, T2102306017, T2102306019, T2102306020

METHOD BLANK: 3793294

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Beryllium	mg/L	0.0020	0.0020	U
Iron	mg/L	0.0067	0.0067	U
Sodium	mg/L	0.80	0.80	U
Zinc	mg/L	0.050	0.050	U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3793295

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Beryllium	mg/L	1	0.91	91	80-120
Iron	mg/L	1	0.94	94	80-120
Sodium	mg/L	10	9.6	96	80-120
Zinc	mg/L	1	0.99	99	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3793296                    3793297                    Original: T2102306012

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>METALS</b>											
Beryllium	mg/L	0	1	0.96	0.96	96	96	75-125	0	20	
Iron	mg/L	0.27	1	1.3	1.3	99	99	75-125	0	20	
Sodium	mg/L	3.4	10	13	13	94	92	75-125	2	20	
Zinc	mg/L	0.0043	1	1.0	1.0	101	102	75-125	1	20	

QC Batch: DGMt/1251                    Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A                    Prepared: 02/22/2021 10:00

Associated Lab Samples: T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027

METHOD BLANK: 3793600

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Beryllium	mg/L	0.0020	0.0020	U
Iron	mg/L	0.0067	0.0067	U
Sodium	mg/L	0.80	0.80	U
Zinc	mg/L	0.050	0.050	U

LABORATORY CONTROL SAMPLE: 3793601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Beryllium	mg/L	1	0.92	92	80-120
Iron	mg/L	1	0.94	94	80-120

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3793601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Sodium	mg/L	10	9.7	97	80-120
Zinc	mg/L	1	0.99	99	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3793602      3793603      Original: G2101326002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Beryllium	mg/L	0	1	0.96	0.97	96	97	75-125	1	20	
Iron	mg/L	0.058	1	1.0	1.0	98	98	75-125	0	20	
Sodium	mg/L	88	10	99	99	107	108	75-125	0	20	
Zinc	mg/L	0.0022	1	1.0	1.0	102	102	75-125	0	20	

QC Batch: WCAt/2088      Analysis Method: SM 4500-CI-E

QC Batch Method: SM 4500-CI-E      Prepared:

Associated Lab Samples: T2102306022, T2102306023, T2102306024, T2102306025, T2102306026, T2102306027, T2102306029,

METHOD BLANK: 3793716

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>WET CHEMISTRY</b>				
Chloride	mg/L	2.6	2.6	U

LABORATORY CONTROL SAMPLE: 3793717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Chloride	mg/L	50	47	93	90-110

QC Batch: DGMt/1255      Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A      Prepared: 02/23/2021 14:00

Associated Lab Samples: T2102306029, T2102306030, T2102306031, T2102306032, T2102306033

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3794890

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>METALS</b>			
Beryllium	mg/L	0.0020	0.0020 U
Iron	mg/L	0.0067	0.0067 U
Sodium	mg/L	0.80	0.80 U
Zinc	mg/L	0.050	0.050 U

LABORATORY CONTROL SAMPLE: 3794891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Beryllium	mg/L	1	1.1	107	80-120
Iron	mg/L	1	1.0	103	80-120
Sodium	mg/L	10	9.6	96	80-120
Zinc	mg/L	1	1.0	102	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3794892      3794893      Original: T2103173008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Max Qualifiers
<b>METALS</b>											
Beryllium	mg/L	0	1	0.93	0.93	93	93	75-125	0	20	
Iron	mg/L	40	1	40	42	-16	176	75-125	5	20	
Sodium	mg/L	2.9	10	12	12	91	95	75-125	3	20	
Zinc	mg/L	0.0082	1	0.91	0.95	91	95	75-125	4	20	

QC Batch: DGMt/1263      Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A      Prepared: 02/24/2021 08:30

Associated Lab Samples: T2102306035, T2102306036, T2102306037, T2102306039

METHOD BLANK: 3795650

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>METALS</b>			
Mercury	mg/L	0.000028	0.000028 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE: 3795651

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
METALS					
Mercury	mg/L	0.001	0.0010	103	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3795652                    3795653                    Original: T2103025004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
METALS											
Mercury	mg/L	0	0.001	0.00094	0.00092	94	92	80-120	3	20	

QC Batch: MSVt/1326                    Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B                    Prepared: 02/23/2021 14:11

Associated Lab Samples: T2102306037, T2102306038, T2102306039

METHOD BLANK: 3795654

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>VOLATILES</b>			
Chloromethane	ug/L	0.39	0.39 U
Vinyl Chloride	ug/L	0.44	0.44 U
Bromomethane	ug/L	0.32	0.32 U
Chloroethane	ug/L	0.42	0.42 U
Trichlorofluoromethane	ug/L	0.26	0.26 U
Acetone	ug/L	2.9	0.90
1,1-Dichloroethylene	ug/L	0.41	0.41 U
Iodomethane (Methyl Iodide)	ug/L	0.83	0.83 U
Acrylonitrile	ug/L	0.38	0.38 U
Methylene Chloride	ug/L	3.2	0.56
Carbon Disulfide	ug/L	0.42	0.42 U
trans-1,2-Dichloroethylene	ug/L	0.39	0.39 U
1,1-Dichloroethane	ug/L	0.38	0.38 U
Vinyl Acetate	ug/L	0.37	0.37 U
2-Butanone (MEK)	ug/L	0.33	0.33 U
cis-1,2-Dichloroethylene	ug/L	0.39	0.39 U
Bromoform	ug/L	0.33	0.33 U
1,2-Dichloroethane	ug/L	0.40	0.40 U
1,1,1-Trichloroethane	ug/L	0.39	0.39 U

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

METHOD BLANK: 3795654

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Carbon Tetrachloride	ug/L	0.41	0.41 U
Benzene	ug/L	0.28	0.28 U
Dibromomethane	ug/L	0.41	0.41 U
1,2-Dichloropropane	ug/L	0.18	0.18 U
Trichloroethene	ug/L	0.32	0.32 U
Bromodichloromethane	ug/L	0.39	0.39 U
cis-1,3-Dichloropropene	ug/L	0.26	0.26 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.40	0.40 U
trans-1,3-Dichloropropylene	ug/L	0.26	0.26 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.66	0.66 U
2-Hexanone	ug/L	0.42	0.42 U
Dibromochloromethane	ug/L	0.36	0.36 U
Tetrachloroethylene (PCE)	ug/L	0.45	0.45 U
1,1,1,2-Tetrachloroethane	ug/L	0.47	0.47 U
Chlorobenzene	ug/L	0.38	0.38 U
Ethylbenzene	ug/L	0.56	0.56 U
Bromoform	ug/L	0.36	0.36 U
Styrene	ug/L	0.29	0.29 U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20 U
1,4-Dichlorobenzene	ug/L	0.36	0.36 U
1,2-Dichlorobenzene	ug/L	0.44	0.44 U
trans-1,4-Dichloro-2-butene	ug/L	0.46	0.46 U
Xylene (Total)	ug/L	1.3	1.3 U
1,2-Dichloroethane-d4 (S)	%	105	70-128
Toluene-d8 (S)	%	99	77-119
Bromofluorobenzene (S)	%	117	86-123

LABORATORY CONTROL SAMPLE & LCSD: 3795655      3795656

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>VOLATILES</b>										
Chloromethane	ug/L	20	28	27	139	135		3		
Vinyl Chloride	ug/L	20	33	31	164	156	70-130	6	20	
Bromomethane	ug/L	20	24	30	122	148		19		
Chloroethane	ug/L	20	36	34	181	171		5		
Trichlorofluoromethane	ug/L	20	27	26	135	128		5		
Acetone	ug/L	20	28	26	138	116		5		
1,1-Dichloroethylene	ug/L	20	23	24	115	120	70-130	4	20	
Iodomethane (Methyl Iodide)	ug/L	20	18	19	90	95		6		
Acrylonitrile	ug/L	20	23	23	116	114		1		

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

LABORATORY CONTROL SAMPLE & LCSD: 3795655                    3795656

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Methylene Chloride	ug/L	20	27	26	136	112		6	
Carbon Disulfide	ug/L	20	26	24	129	120		7	
trans-1,2-Dichloroethylene	ug/L	20	26	24	130	122		6	
1,1-Dichloroethane	ug/L	20	25	24	126	119		5	
Vinyl Acetate	ug/L	20	0.53	0.521	3	3		2	
2-Butanone (MEK)	ug/L	20	21	21	105	106		1	
cis-1,2-Dichloroethylene	ug/L	20	24	23	122	117	70-130	4	20
Bromochloromethane	ug/L	20	25	24	123	118		4	
Chloroform	ug/L	20	24	23	118	116	70-130	1	20
1,2-Dichloroethane	ug/L	20	26	26	129	128		1	
1,1,1-Trichloroethane	ug/L	20	25	24	127	121		5	
Carbon Tetrachloride	ug/L	20	21	20	106	102		4	
Benzene	ug/L	20	23	25	115	127	70-130	10	20
Dibromomethane	ug/L	20	24	24	122	121		1	
1,2-Dichloropropane	ug/L	20	23	24	116	120		3	
Trichloroethylene	ug/L	20	25	24	125	119	70-130	5	20
Bromodichloromethane	ug/L	20	24	23	118	114		4	
cis-1,3-Dichloropropene	ug/L	20	26	24	129	122		6	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22	21	110	106		4	
trans-1,3-Dichloropropylene	ug/L	20	25	24	124	119		4	
1,1,2-Trichloroethane	ug/L	20	24	22	120	112		7	
Toluene	ug/L	20	23	21	116	107	70-130	9	20
2-Hexanone	ug/L	20	20	19	99	95		4	
Dibromochloromethane	ug/L	20	19	18	93	90		4	
Tetrachloroethylene (PCE)	ug/L	20	19	17	94	87	70-130	8	20
1,1,1,2-Tetrachloroethane	ug/L	20	19	18	97	90		7	
Chlorobenzene	ug/L	20	22	20	109	100	70-130	8	20
Ethylbenzene	ug/L	20	23	21	114	107	70-130	6	20
Bromoform	ug/L	20	17	16	83	80		3	
Styrene	ug/L	20	22	21	112	105		7	
1,1,2,2-Tetrachloroethane	ug/L	20	21	19	104	95		9	
1,4-Dichlorobenzene	ug/L	20	20	19	101	94		7	
1,2-Dichlorobenzene	ug/L	20	20	19	99	96	70-130	3	20
Xylene (Total)	ug/L	60	68	64	114	106	70-130	7	20
1,2-Dichloroethane-d4 (S)	%				97	101	70-128	4	
Toluene-d8 (S)	%				98	95	77-119	3	
Bromofluorobenzene (S)	%				112	110	86-123	1	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3795657		Original: T2102628020				
Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits Qualifiers
<b>VOLATILES</b>						
Chloromethane	ug/L	0	20	26	130	
Vinyl Chloride	ug/L	0	20	33	163	70-130
Bromomethane	ug/L	0	20	25	127	
Chloroethane	ug/L	0	20	37	184	
Trichlorofluoromethane	ug/L	0	20	25	125	
Acetone	ug/L	3.1	20	29	127	
1,1-Dichloroethylene	ug/L	0	20	24	122	70-130
Iodomethane (Methyl Iodide)	ug/L	0	20	21	106	
Acrylonitrile	ug/L	0	20	24	120	
Methylene Chloride	ug/L	0	20	22	111	
Carbon Disulfide	ug/L	0	20	23	117	
trans-1,2-Dichloroethylene	ug/L	0	20	23	117	
1,1-Dichloroethane	ug/L	0	20	23	115	
Vinyl Acetate	ug/L	0	20	0.83	4	
2-Butanone (MEK)	ug/L	0	20	22	112	
cis-1,2-Dichloroethylene	ug/L	0	20	22	108	70-130
Bromochloromethane	ug/L	0	20	22	112	
Chloroform	ug/L	0	20	22	112	70-130
1,2-Dichloroethane	ug/L	0	20	25	127	
1,1,1-Trichloroethane	ug/L	0	20	23	116	
Carbon Tetrachloride	ug/L	0	20	20	100	
Benzene	ug/L	0	20	24	118	70-130
Dibromomethane	ug/L	0	20	23	116	
1,2-Dichloropropane	ug/L	0	20	24	118	
Trichloroethene	ug/L	0	20	21	106	70-130
Bromodichloromethane	ug/L	0	20	22	111	
cis-1,3-Dichloropropene	ug/L	0	20	22	111	
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	23	115	
trans-1,3-Dichloropropylene	ug/L	0	20	22	110	
1,1,2-Trichloroethane	ug/L	0	20	21	107	
Toluene	ug/L	0	20	22	108	70-130
2-Hexanone	ug/L	0	20	22	112	
Dibromochloromethane	ug/L	0	20	18	91	
Tetrachloroethylene (PCE)	ug/L	0	20	19	96	70-130
1,1,1,2-Tetrachloroethane	ug/L	0	20	18	92	
Chlorobenzene	ug/L	0	20	20	99	70-130
Ethylbenzene	ug/L	0	20	21	107	70-130
Bromoform	ug/L	0	20	18	89	
Styrene	ug/L	0	20	21	103	
1,1,2,2-Tetrachloroethane	ug/L	0	20	21	106	
1,4-Dichlorobenzene	ug/L	0	20	18	90	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3795657                      Original: T2102628020

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	0	20	18	90	70-130	
Xylene (Total)	ug/L	0	60	65	108	70-130	
1,2-Dichloroethane-d4 (S)	%	115			113	70-128	
Toluene-d8 (S)	%	97			98	77-119	
Bromofluorobenzene (S)	%	118			110	86-123	

QC Batch: MSVt/1328                      Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B                      Prepared: 02/23/2021 12:43

Associated Lab Samples: T2102306037, T2102306038, T2102306039

METHOD BLANK: 3795658

Parameter	Units	Blank Result	Reporting Limit Qualifiers		
<b>VOLATILES</b>					
Ethylene Dibromide (EDB)	ug/L	0.019	0.019	U	
1,2-Dibromo-3-Chloropropane	ug/L	0.023	0.023	U	
1,2-Dichloroethane-d4 (S)	%	96	70-130		
Toluene-d8 (S)	%	79	70-130		
Bromofluorobenzene (S)	%	93	70-130		

LABORATORY CONTROL SAMPLE & LCSD: 3795659                      3795660

Parameter	Units	Spike Conc.	LCS Result	LCS	LCSD	LCS	LCSD	% Rec Limit	RPD	Max
				Result	% Rec	% Rec	% Rec			RPD
<b>VOLATILES</b>										
Ethylene Dibromide (EDB)	ug/L	0.8	0.70	0.85	88	106	70-130	19	30	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.73	0.75	92	94	70-130	3	30	
1,2-Dichloroethane-d4 (S)	%			93	95	70-130		2		
Toluene-d8 (S)	%			76	77	70-130		1		
Bromofluorobenzene (S)	%			90	88	70-130		2		

MATRIX SPIKE SAMPLE: 3795661                      Original: T2102628019

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
<b>VOLATILES</b>							

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE SAMPLE: 3795661                      Original: T2102628019

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.81	101	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.81	102	70-130	
1,2-Dichloroethane-d4 (S)	%	103			106	70-130	
Toluene-d8 (S)	%	78			79	70-130	
Bromofluorobenzene (S)	%	88			89	70-130	

QC Batch: DGMt/1266

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A

Prepared: 02/24/2021 08:30

Associated Lab Samples: T2102306035, T2102306036, T2102306037, T2102306039

METHOD BLANK: 3795811

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
<b>METALS</b>				
Beryllium	mg/L	0.0020	0.0020	U
Iron	mg/L	0.0067	0.0067	U
Sodium	mg/L	0.80	0.80	U
Lead	mg/L	0.0030	0.0030	U
Zinc	mg/L	0.050	0.050	U

LABORATORY CONTROL SAMPLE: 3795812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
<b>METALS</b>						
Beryllium	mg/L	1	0.96	96	80-120	
Iron	mg/L	1	0.97	97	80-120	
Sodium	mg/L	10	9.5	95	80-120	
Lead	mg/L	1	0.95	95	80-120	
Zinc	mg/L	1	0.96	96	80-120	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3795813      3795814      Original: T2102661004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Beryllium	mg/L	0	1	0.96	0.96	96	96	75-125	0	20	
Iron	mg/L	0.37	1	1.4	1.4	99	98	75-125	1	20	
Sodium	mg/L	20	10	30	30	106	105	75-125	0	20	
Lead	mg/L	0	1	0.94	0.94	94	94	75-125	0	20	
Zinc	mg/L	0.0057	1	0.95	0.96	95	96	75-125	1	20	

QC Batch: WCAt/2212      Analysis Method: EPA 365.4

QC Batch Method: Copper Sulfate Digestion      Prepared: 03/01/2021 08:00

Associated Lab Samples: T2102306003

METHOD BLANK: 3799701

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Total Phosphorus (as P)	mg/L	0.15	0.15 U

LABORATORY CONTROL SAMPLE: 3799703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Phosphorus (as P)	mg/L	1	1.1	109	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3799705      3799707      Original: A2101407001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Total Phosphorus (as P)	mg/L			1.9	1.9				0	20	

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## QUALITY CONTROL DATA

Workorder: T2102306 SELF Semi-Annual SW

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3799709 3799711 Original: A2101430003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Total Phosphorus (as P)	mg/L	4.9	1	5.2	5.2	34	34	80-120	0	20	

## QUALITY CONTROL DATA QUALIFIERS

Workorder: T2102306 SELF Semi-Annual SW

### QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result
- V Method Blank Contamination
- [5] SAMPLES 1-11 FILTERED: 2/12/21 16:46
- []

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306002	Equipment Blank			SM 9222D	MICt/1223
T2102306003	Stream-3A			SM 9222D	MICt/1223
T2102306004	Mine-Cut			SM 9222D	MICt/1223
T2102306005	Stream 3C2			SM 9222D	MICt/1223
T2102306006	3B2B			SM 9222D	MICt/1223
T2102306007	Stream-3A Dup			SM 9222D	MICt/1223
T2102306002	Equipment Blank			SM 5210B	WCAt/1758
T2102306003	Stream-3A			SM 5210B	WCAt/1758
T2102306004	Mine-Cut			SM 5210B	WCAt/1758
T2102306005	Stream 3C2			SM 5210B	WCAt/1758
T2102306006	3B2B			SM 5210B	WCAt/1758
T2102306007	Stream-3A Dup			SM 5210B	WCAt/1758
T2102306002	Equipment Blank			SM 4500NO3-F	WCAt/1760
T2102306003	Stream-3A			SM 4500NO3-F	WCAt/1760
T2102306004	Mine-Cut			SM 4500NO3-F	WCAt/1760
T2102306005	Stream 3C2			SM 4500NO3-F	WCAt/1760
T2102306006	3B2B			SM 4500NO3-F	WCAt/1760
T2102306007	Stream-3A Dup			SM 4500NO3-F	WCAt/1760
T2102306009	Field Blank T2102306009			SM 4500NO3-F	WCAt/1801
T2102306010	TH-78			SM 4500NO3-F	WCAt/1801
T2102306011	TH-40			SM 4500NO3-F	WCAt/1801
T2102306012	TH-22A			SM 4500NO3-F	WCAt/1801
T2102306013	TH-36A			SM 4500NO3-F	WCAt/1801
T2102306014	TH-57			SM 4500NO3-F	WCAt/1801
T2102306015	TH-28A			SM 4500NO3-F	WCAt/1801
T2102306016	TH-58			SM 4500NO3-F	WCAt/1801
T2102306017	TH-67			SM 4500NO3-F	WCAt/1801
T2102306019	TH-66A			SM 4500NO3-F	WCAt/1801
T2102306020	TH-66			SM 4500NO3-F	WCAt/1801

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306007	Stream-3A Dup			SM 2540D	WCAt/1809
T2102306001	Trip Blank T2102306001	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306002	Equipment Blank	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306003	Stream-3A	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306004	Mine-Cut	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306005	Stream 3C2	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306006	3B2B	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306007	Stream-3A Dup	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306008	Trip Blank T2102306008	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306009	Field Blank T2102306009	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306010	TH-78	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306011	TH-40	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306012	TH-22A	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306013	TH-36A	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306014	TH-57	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306015	TH-28A	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306016	TH-58	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306017	TH-67	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306019	TH-66A	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306020	TH-66	SW-846 5030B	MSVt/1253	SW-846 8260B	MSVt/1254
T2102306001	Trip Blank T2102306001	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306002	Equipment Blank	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306003	Stream-3A	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306004	Mine-Cut	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306005	Stream 3C2	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306006	3B2B	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306007	Stream-3A Dup	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306008	Trip Blank T2102306008	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306009	Field Blank T2102306009	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306010	TH-78	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306011	TH-40	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306012	TH-22A	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306013	TH-36A	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306014	TH-57	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306015	TH-28A	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306016	TH-58	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306017	TH-67	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306019	TH-66A	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306020	TH-66	SW-846 5030B	MSVt/1255	SW-846 8260B (SIM)	MSVt/1256
T2102306022	TH-65			SM 4500NO3-F	WCAt/1835
T2102306023	TH-61A			SM 4500NO3-F	WCAt/1835
T2102306024	TH-61			SM 4500NO3-F	WCAt/1835
T2102306025	TH-64			SM 4500NO3-F	WCAt/1835
T2102306026	TH-19			SM 4500NO3-F	WCAt/1835
T2102306027	TH-72			SM 4500NO3-F	WCAt/1835
T2102306002	Equipment Blank			SM 2540 C	WCAt/1846
T2102306003	Stream-3A			SM 2540 C	WCAt/1846
T2102306004	Mine-Cut			SM 2540 C	WCAt/1846
T2102306005	Stream 3C2			SM 2540 C	WCAt/1846
T2102306006	3B2B			SM 2540 C	WCAt/1846
T2102306007	Stream-3A Dup			SM 2540 C	WCAt/1846
T2102306009	Field Blank T2102306009			SM 2540 C	WCAt/1846
T2102306010	TH-78			SM 2540 C	WCAt/1846
T2102306011	TH-40			SM 2540 C	WCAt/1846
T2102306012	TH-22A			SM 2540 C	WCAt/1846
T2102306029	TH-68			SM 4500NO3-F	WCAt/1849
T2102306030	TH-69A			SM 4500NO3-F	WCAt/1849
T2102306031	TH-70A			SM 4500NO3-F	WCAt/1849
T2102306032	TH-71A			SM 4500NO3-F	WCAt/1849
T2102306033	MW-71A Dup			SM 4500NO3-F	WCAt/1849
T2102306002	Equipment Blank			SM 5310B	WCAG/1421

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306003	Stream-3A			SM 5310B	WCAg/1421
T2102306004	Mine-Cut			SM 5310B	WCAg/1421
T2102306005	Stream 3C2			SM 5310B	WCAg/1421
T2102306006	3B2B			SM 5310B	WCAg/1421
T2102306007	Stream-3A Dup			SM 5310B	WCAg/1421
T2102306013	TH-36A			SM 2540 C	WCAt/1851
T2102306014	TH-57			SM 2540 C	WCAt/1851
T2102306015	TH-28A			SM 2540 C	WCAt/1851
T2102306016	TH-58			SM 2540 C	WCAt/1851
T2102306017	TH-67			SM 2540 C	WCAt/1851
T2102306019	TH-66A			SM 2540 C	WCAt/1851
T2102306020	TH-66			SM 2540 C	WCAt/1851
T2102306022	TH-65			SM 2540 C	WCAt/1851
T2102306023	TH-61A			SM 2540 C	WCAt/1851
T2102306024	TH-61			SM 2540 C	WCAt/1851
T2102306025	TH-64			SM 2540 C	WCAt/1851
T2102306026	TH-19			SM 2540 C	WCAt/1851
T2102306027	TH-72			SM 2540 C	WCAt/1851
T2102306029	TH-68			SM 2540 C	WCAt/1851
T2102306030	TH-69A			SM 2540 C	WCAt/1851
T2102306031	TH-70A			SM 2540 C	WCAt/1851
T2102306032	TH-71A			SM 2540 C	WCAt/1851
T2102306033	MW-71A Dup			SM 2540 C	WCAt/1851
T2102306002	Equipment Blank			SM 2540D	WCAt/1856
T2102306003	Stream-3A			SM 2540D	WCAt/1856
T2102306004	Mine-Cut			SM 2540D	WCAt/1856
T2102306005	Stream 3C2			SM 2540D	WCAt/1856
T2102306006	3B2B			SM 2540D	WCAt/1856
T2102306002	Equipment Blank	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306003	Stream-3A	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306004	Mine-Cut	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306005	Stream 3C2	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306006	3B2B	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306007	Stream-3A Dup	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306009	Field Blank T2102306009	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306010	TH-78	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306011	TH-40	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306012	TH-22A	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306013	TH-36A	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306014	TH-57	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306015	TH-28A	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306016	TH-58	SW-846 7470A	DGMt/1208	SW-846 7470A	CVAt/1042
T2102306035	Field Blank T2102306035			SM 4500NO3-F	WCAt/1882
T2102306036	Holland Residence			SM 4500NO3-F	WCAt/1882
T2102306037	Barnes Residence			SM 4500NO3-F	WCAt/1882
T2102306039	Keene Residence			SM 4500NO3-F	WCAt/1882
T2102306002	Equipment Blank	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306003	Stream-3A	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306004	Mine-Cut	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306005	Stream 3C2	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306006	3B2B	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306007	Stream-3A Dup	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306009	Field Blank T2102306009	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306010	TH-78	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306011	TH-40	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306012	TH-22A	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306013	TH-36A	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306014	TH-57	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306015	TH-28A	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306016	TH-58	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306017	TH-67	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306019	TH-66A	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051
T2102306020	TH-66	SW-846 3010A	DGMj/1149	SW-846 6020	ICMj/1051

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306022	TH-65	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306023	TH-61A	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306024	TH-61	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306025	TH-64	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306026	TH-19	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306027	TH-72	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306029	TH-68	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306030	TH-69A	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306031	TH-70A	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306032	TH-71A	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306033	MW-71A Dup	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306035	Field Blank T2102306035	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306036	Holland Residence	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306037	Barnes Residence	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306039	Keene Residence	SW-846 3010A	DGMj/1150	SW-846 6020	ICMj/1052
T2102306002	Equipment Blank			EPA 410.4	WCAt/1907
T2102306003	Stream-3A			EPA 410.4	WCAt/1907
T2102306004	Mine-Cut			EPA 410.4	WCAt/1907
T2102306005	Stream 3C2			EPA 410.4	WCAt/1907
T2102306006	3B2B			EPA 410.4	WCAt/1907
T2102306007	Stream-3A Dup			EPA 410.4	WCAt/1907
T2102306009	Field Blank T2102306009			SM 4500-CI-E	WCAt/1914
T2102306010	TH-78			SM 4500-CI-E	WCAt/1914
T2102306011	TH-40			SM 4500-CI-E	WCAt/1914
T2102306012	TH-22A			SM 4500-CI-E	WCAt/1914
T2102306013	TH-36A			SM 4500-CI-E	WCAt/1914
T2102306014	TH-57			SM 4500-CI-E	WCAt/1914
T2102306015	TH-28A			SM 4500-CI-E	WCAt/1914
T2102306016	TH-58			SM 4500-CI-E	WCAt/1915
T2102306017	TH-67			SM 4500-CI-E	WCAt/1915
T2102306019	TH-66A			SM 4500-CI-E	WCAt/1915

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306020	TH-66			SM 4500-CI-E	WCAt/1915
T2102306002	Equipment Blank			SM 2340C	WCAt/1932
T2102306003	Stream-3A			SM 2340C	WCAt/1932
T2102306004	Mine-Cut			SM 2340C	WCAt/1932
T2102306005	Stream 3C2			SM 2340C	WCAt/1932
T2102306006	3B2B			SM 2340C	WCAt/1932
T2102306007	Stream-3A Dup			SM 2340C	WCAt/1932
T2102306035	Field Blank T2102306035			SM 2540 C	WCAt/1957
T2102306036	Holland Residence			SM 2540 C	WCAt/1957
T2102306037	Barnes Residence			SM 2540 C	WCAt/1957
T2102306039	Keene Residence			SM 2540 C	WCAt/1957
T2102306002	Equipment Blank	SW-846 3010A	DGMt/1220	SW-846 6010	ICPt/1153
T2102306003	Stream-3A	SW-846 3010A	DGMt/1220	SW-846 6010	ICPt/1153
T2102306004	Mine-Cut	SW-846 3010A	DGMt/1220	SW-846 6010	ICPt/1153
T2102306017	TH-67	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306019	TH-66A	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306020	TH-66	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306022	TH-65	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306023	TH-61A	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306024	TH-61	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306025	TH-64	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306026	TH-19	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306027	TH-72	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306029	TH-68	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306030	TH-69A	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306031	TH-70A	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306032	TH-71A	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047
T2102306033	MW-71A Dup	SW-846 7470A	DGMt/1225	SW-846 7470A	CVAt/1047

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306016	TH-58			EPA 350.1	WCAt/1996
T2102306017	TH-67			EPA 350.1	WCAt/1996
T2102306019	TH-66A			EPA 350.1	WCAt/1996
T2102306020	TH-66			EPA 350.1	WCAt/1996
T2102306009	Field Blank T2102306009			EPA 350.1	WCAt/2000
T2102306010	TH-78			EPA 350.1	WCAt/2000
T2102306011	TH-40			EPA 350.1	WCAt/2000
T2102306012	TH-22A			EPA 350.1	WCAt/2000
T2102306013	TH-36A			EPA 350.1	WCAt/2000
T2102306014	TH-57			EPA 350.1	WCAt/2000
T2102306022	TH-65			EPA 350.1	WCAt/2004
T2102306023	TH-61A			EPA 350.1	WCAt/2004
T2102306024	TH-61			EPA 350.1	WCAt/2004
T2102306025	TH-64			EPA 350.1	WCAt/2004
T2102306026	TH-19			EPA 350.1	WCAt/2004
T2102306027	TH-72			EPA 350.1	WCAt/2004
T2102306029	TH-68			EPA 350.1	WCAt/2005
T2102306030	TH-69A			EPA 350.1	WCAt/2005
T2102306031	TH-70A			EPA 350.1	WCAt/2005
T2102306032	TH-71A			EPA 350.1	WCAt/2005
T2102306033	MW-71A Dup			EPA 350.1	WCAt/2005
T2102306035	Field Blank T2102306035			EPA 350.1	WCAt/2005
T2102306036	Holland Residence			EPA 350.1	WCAt/2005
T2102306015	TH-28A			EPA 350.1	WCAt/2006
T2102306037	Barnes Residence			EPA 350.1	WCAt/2006
T2102306039	Keene Residence			EPA 350.1	WCAt/2006
T2102306005	Stream 3C2	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162
T2102306006	3B2B	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306007	Stream-3A Dup	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162
T2102306009	Field Blank T2102306009	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162
T2102306010	TH-78	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162
T2102306011	TH-40	SW-846 3010A	DGMt/1235	SW-846 6010	ICPt/1162
T2102306002	Equipment Blank			SM 10200 H	WCAG/1504
T2102306003	Stream-3A			SM 10200 H	WCAG/1504
T2102306004	Mine-Cut			SM 10200 H	WCAG/1504
T2102306005	Stream 3C2			SM 10200 H	WCAG/1504
T2102306006	3B2B			SM 10200 H	WCAG/1504
T2102306007	Stream-3A Dup			SM 10200 H	WCAG/1504
T2102306002	Equipment Blank	Copper Sulfate Digestion	WCAt/2071	EPA 365.4	WCAt/2124
T2102306004	Mine-Cut	Copper Sulfate Digestion	WCAt/2071	EPA 365.4	WCAt/2124
T2102306005	Stream 3C2	Copper Sulfate Digestion	WCAt/2071	EPA 365.4	WCAt/2124
T2102306006	3B2B	Copper Sulfate Digestion	WCAt/2071	EPA 365.4	WCAt/2124
T2102306007	Stream-3A Dup	Copper Sulfate Digestion	WCAt/2071	EPA 365.4	WCAt/2124
T2102306002	Equipment Blank			DEP SOP 10/03/83	WCAt/2074
T2102306003	Stream-3A			DEP SOP 10/03/83	WCAt/2074
T2102306004	Mine-Cut			DEP SOP 10/03/83	WCAt/2074
T2102306005	Stream 3C2			DEP SOP 10/03/83	WCAt/2074
T2102306006	3B2B			DEP SOP 10/03/83	WCAt/2074
T2102306007	Stream-3A Dup			DEP SOP 10/03/83	WCAt/2074
T2102306021	Trip Blank T2102306021	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306022	TH-65	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306023	TH-61A	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306024	TH-61	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306025	TH-64	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306026	TH-19	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306027	TH-72	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306028	Trip Blank T2102306028	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306029	TH-68	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306030	TH-69A	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306031	TH-70A	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306032	TH-71A	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306033	MW-71A Dup	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306034	Trip Blank T2102306034	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306035	Field Blank T2102306035	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306036	Holland Residence	SW-846 5030B	MSVt/1312	SW-846 8260B	MSVt/1313
T2102306021	Trip Blank T2102306021	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306022	TH-65	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306023	TH-61A	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306024	TH-61	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306025	TH-64	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306026	TH-19	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306027	TH-72	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306028	Trip Blank T2102306028	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306029	TH-68	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306030	TH-69A	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306031	TH-70A	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306032	TH-71A	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306033	MW-71A Dup	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306034	Trip Blank T2102306034	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306035	Field Blank T2102306035	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306036	Holland Residence	SW-846 5030B	MSVt/1314	SW-846 8260B (SIM)	MSVt/1315
T2102306012	TH-22A	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306013	TH-36A	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306014	TH-57	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306015	TH-28A	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306016	TH-58	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306017	TH-67	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306019	TH-66A	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171
T2102306020	TH-66	SW-846 3010A	DGMt/1249	SW-846 6010	ICPt/1171

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306022	TH-65	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306023	TH-61A	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306024	TH-61	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306025	TH-64	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306026	TH-19	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306027	TH-72	SW-846 3010A	DGMt/1251	SW-846 6010	ICPt/1172
T2102306022	TH-65			SM 4500-CI-E	WCAt/2088
T2102306023	TH-61A			SM 4500-CI-E	WCAt/2088
T2102306024	TH-61			SM 4500-CI-E	WCAt/2088
T2102306025	TH-64			SM 4500-CI-E	WCAt/2088
T2102306026	TH-19			SM 4500-CI-E	WCAt/2088
T2102306027	TH-72			SM 4500-CI-E	WCAt/2088
T2102306029	TH-68			SM 4500-CI-E	WCAt/2088
T2102306030	TH-69A			SM 4500-CI-E	WCAt/2088
T2102306031	TH-70A			SM 4500-CI-E	WCAt/2088
T2102306032	TH-71A			SM 4500-CI-E	WCAt/2088
T2102306033	MW-71A Dup			SM 4500-CI-E	WCAt/2088
T2102306035	Field Blank T2102306035			SM 4500-CI-E	WCAt/2088
T2102306036	Holland Residence			SM 4500-CI-E	WCAt/2088
T2102306037	Barnes Residence			SM 4500-CI-E	WCAt/2088
T2102306039	Keene Residence			SM 4500-CI-E	WCAt/2088
T2102306029	TH-68	SW-846 3010A	DGMt/1255	SW-846 6010	ICPt/1175
T2102306030	TH-69A	SW-846 3010A	DGMt/1255	SW-846 6010	ICPt/1175
T2102306031	TH-70A	SW-846 3010A	DGMt/1255	SW-846 6010	ICPt/1175
T2102306032	TH-71A	SW-846 3010A	DGMt/1255	SW-846 6010	ICPt/1175
T2102306033	MW-71A Dup	SW-846 3010A	DGMt/1255	SW-846 6010	ICPt/1175
T2102306035	Field Blank T2102306035	SW-846 7470A	DGMt/1263	SW-846 7470A	CVAt/1055
T2102306036	Holland Residence	SW-846 7470A	DGMt/1263	SW-846 7470A	CVAt/1055
T2102306037	Barnes Residence	SW-846 7470A	DGMt/1263	SW-846 7470A	CVAt/1055
T2102306039	Keene Residence	SW-846 7470A	DGMt/1263	SW-846 7470A	CVAt/1055

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306037	Barnes Residence	SW-846 5030B	MSVt/1326	SW-846 8260B	MSVt/1327
T2102306038	Trip Blank T2102306038	SW-846 5030B	MSVt/1326	SW-846 8260B	MSVt/1327
T2102306039	Keene Residence	SW-846 5030B	MSVt/1326	SW-846 8260B	MSVt/1327
T2102306037	Barnes Residence	SW-846 5030B	MSVt/1328	SW-846 8260B (SIM)	MSVt/1329
T2102306038	Trip Blank T2102306038	SW-846 5030B	MSVt/1328	SW-846 8260B (SIM)	MSVt/1329
T2102306039	Keene Residence	SW-846 5030B	MSVt/1328	SW-846 8260B (SIM)	MSVt/1329
T2102306035	Field Blank T2102306035	SW-846 3010A	DGMt/1266	SW-846 6010	ICPt/1182
T2102306036	Holland Residence	SW-846 3010A	DGMt/1266	SW-846 6010	ICPt/1182
T2102306037	Barnes Residence	SW-846 3010A	DGMt/1266	SW-846 6010	ICPt/1182
T2102306039	Keene Residence	SW-846 3010A	DGMt/1266	SW-846 6010	ICPt/1182
T2102306003	Stream-3A	Copper Sulfate Digestion	WCAt/2212	EPA 365.4	WCAt/2302
T2102306002	Equipment Blank	Calculation	CLCt/	Calculation	CLCt/
T2102306003	Stream-3A	Calculation	CLCt/	Calculation	CLCt/
T2102306003	Stream-3A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306004	Mine-Cut	Calculation	CLCt/	Calculation	CLCt/
T2102306004	Mine-Cut	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306005	Stream 3C2	Calculation	CLCt/	Calculation	CLCt/
T2102306005	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306006	3B2B	Calculation	CLCt/	Calculation	CLCt/
T2102306006	3B2B	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306007	Stream-3A Dup	Calculation	CLCt/	Calculation	CLCt/
T2102306010	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306011	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306012	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306013	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306014	TH-57	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306015	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306016	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306017	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/

Report ID: 1036179

**AMENDED**

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T2102306 SELF Semi-Annual SW

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T2102306019	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306020	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306022	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306023	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306024	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306025	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306026	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306027	TH-72	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306029	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306030	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306031	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306032	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306036	Holland Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306037	Barnes Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T2102306039	Keene Residence	Field Measurements	FLDt/	Field Measurements	FLDt/

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**Altamonte Springs:** 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: ES3076

**Fort Myers:** 13100 Westlawn Terrace Ste. 10, FL 33913 • 239.674.8130 • Lab ID: ES4492

**Jacksonville:** 6681 Southpoint Pkwy., FL 32216 • 904.363.0350 • Lab ID: ES3574

**Tallahassee:** 2839 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: ES11095

717346 6/2019  
Page 1 of 2

**Gainesville:** 4955 SW 4th Blvd, FL 32603 • 352.371.2349 • Lab ID: ES2001

**Miramar:** 10200 N.W. Today N.W., FL 33025 • 954.689.2288 • Lab ID: ES2535

**Tampa:** 9810 Princess Palm Ave, FL 33619 • 813.630.5616 • Lab ID: ES4499

LABORATORY I.D. NUMBER												
Client Name:	Hills Co. Public Utilities	Project Name:	SELF Semi-Annual									
Address:	332 North Falkenburg Rd	Project Number:	N/A	BOTTLE SIZE & TYPE								
Phone:	(813) 663-3222	PO Number:	N/A	ANALYSIS REQUIRED								
FAX:	(813) 274-6801	FDEP Facility No.:		40 CFR Part 258 Appendix								
Contact:	Michael Townsel	FDOEP Facility Addr.:	15980 CR 672	40 CFR Part 258 Appendix								
Sampled By:	Cooley, Son, MANANNA	Special Instructions:		40 CFR Part 258 Appendix								
Turn Around Time:	Standard	Rush	ADAPT	EQUIS	Other	Grab Comp	SAMPLING DATE	TIME	MATRIX	NO. COUNT	Preservation Field Filtered?	
						2/9/21	—	—	—	—	X	
						G	2/9/21	0808	D1	80	X X X X X X X X	
						G	2/9/21	0906	GW	80	X X X X X X X X	
						G	2/9/21	0948	GW	80	X X X X X X X X	
						G	2/9/21	1023	GW	80	X X X X X X X X	
						G	2/9/21	1106	GW	80	X X X X X X X X	
						G	2/9/21	1134	GW	80	X X X X X X X X	
						G	2/9/21	1202	GW	80	X X X X X X X X	
						G	2/9/21	1241	GW	80	X X X X X X X X	
						G	2/9/21	1322	GW	80	X X X X X X X X	
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Received on Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input type="checkbox"/> Where required, pH checked DCN: AD-D051web Form last revised 08/07/2019 Relinquished by: Date Time Received by: Date Time 1 <u> </u> 2/9/21 15:13 <u> </u> 2/9/21 15:13 2 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 3 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 4 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>												
Preservation Code: I = ice H = (HCl) S = (H <sub>2</sub> SO <sub>4</sub> ) N = (HNO <sub>3</sub> ) T = (Sodium Thiosulfate) Temp. when received (observed): <u> </u> °C Temp. when received (corrected): <u> </u> °C (When PWS information not otherwise supplied) PWS ID: <u> </u> Contact Person: <u> </u> Supplier of Water: <u> </u> Site Address: <u> </u>												
FOR DRINKING WATER USE:												



Altamonte Springs: 180 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: E53976  
 Fort Myers: 13100 Westgate Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84492  
 Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E83924  
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E81098

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T210736

Gainesville: 4955 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E82001  
 Miramar: 10200 USA Today Way, FL 33025 • 954.899.2288 • Lab ID: E82535  
 Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: E84589

LABORATORY I.D. NUMBER												
Client Name:	Hills Co. Public Utilities	Project Name:	SELF Semi-Annual		BOTTLE SIZE & TYPE		ANALYSIS REQUIRED		40 CFR Part 258 Appendix			
Address:	332 North Falkenburg Rd	Project Number:	N/A									
Phone:	Tampa, FL 33619 (813) 663-3222	PO Number:	N/A									
FAX:	(813) 274-6801	FDEP Facility No.:										
Contact:	Michael Townsend	FDEP Facility Addr.:	15960 CR 672									
Samples By:	Graysen Manniva	Special Instructions:										
Turn Around Time:	Standard	Rush	ADAPT	EQUIS	Other	Grab Comp	Sampling Date	Sampling Time	Matrix	No. COUNT	Preservative	
SAMPLE ID		SAMPLE DESCRIPTION										
		TRIP BLANK										
		TH-C6A										
		TH-C6										
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge	Preservation Code: I = ice H = HCl S = H <sub>2</sub> SO <sub>4</sub> N = (HNO <sub>3</sub> ) T = (Sodium Thiosulfate)											
Received on Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input checked="" type="checkbox"/> Where required, pH checked	Temp. when received (observed) <u>C</u> °C Temp. when received (corrected) <u>C</u> °C											
Device used for measuring Temp by unique identifier (circle 1 or temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A												
FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID: _____												
Contact Person: _____												
Supplier of Water: _____												
Site-Address: _____												
Relinquished by: _____	Date: <u>7/9/21</u>	Time: <u>1513</u>	Received by: _____	Date: <u>7/9/21</u>	Time: <u>1513</u>							
1												
2												
3												
4												



Advanced Environmental Laboratories, Inc.

- Altamonte Springs:** 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.337.1524 • Lab ID: E53076
- Fort Myers:** 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.830 • Lab ID: E54492
- Jacksonville:** 6011 Baumgart Pkwy., FL 32216 • 904.363.9350 • Lab ID: E52574
- Tallahassee:** 2639 North Monroe St., Suite D, FL 32303 • 800.210.6274 • Lab ID: E511095

**Gainesville:** 4865 SW 41st Blvd., FL 32608 - 352.377.2349 - Lab ID: E2001

**Miramar:** 10200 USA Today Way, FL 33025 - 954.881.2288 - Lab ID: E92355

**Tampa:** 9610 Princess Palm Ave., FL 33618 - 813.350.9616 - Lab ID: E14509

T2

**Altamonte Springs:** 100 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: E53076

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- Altamonte Springs:** 300 Northlake Blvd., Ste. 10, FL 33914 • 407.937.1594 • Lab ID: E844612
- Fort Myers:** 11100 Westpark Terrace, Ste. 10, FL 33913 • 239.674.8110 • Lab ID: E82574
- Jacksonville:** 6681 Sunpoint Pkwy., FL 32216 • 904.363.0350 • Lab ID: E82574

Friday, May 21, 2021 10:27:20 AM

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- Alamonte Springs:** 380 Nominke Blvd., Ste #104, FL 32301 • 407.337.1554 • 1-800-ID-E53076
- Fort Myers:** 13100 Westinks Terrace, Ste. 101, FL 33913 • 239.674.8136 • 1-800-ID-E8A492
- Jacksonville:** 66811 Sunpointe Pkwy., FL 32216 • 904.351.9350 • 1-800-ID-E57574
- Tallahassee:** 9534 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab © E81066

**Gainesville:** 4985 SW 41st Blvd., Ft. Lauderdale, FL 33308 • 352.377.2346 • 1-800-EB2001

**Milamart:** 16200 U.S. Trade Way, Ft. Lauderdale, FL 33308 • 954.589.2288 • 1-800-EB2355

**Tampa:** 1601 Francisco Palm Ave., Ft. Lauderdale, FL 33319 • 813.562.9516 • 1-800-EB4589

Friday, May 21, 2021 10:27:20 AM

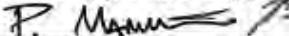
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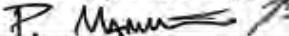
Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: Stream 3A		SAMPLE ID: Stream 3A		DATE: 2/21/21							
<b>PURGING DATA</b>											
WELL DIAMETER (inches): N/A		TUBING DIAMETER (inches): N/A		WELL SCREEN INTERVAL DEPTH N/A ft. to N/A ft.							
				STATIC DEPTH TO WATER (feet): 2.12							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		PURGING INITIATED AT: N/A							
				PURGING ENDED AT: N/A							
				TOTAL VOLUME PURGED (gallons): N/A							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1122	N/A	N/A	N/A	2.12	5.54	18.0	190.3	0.76 / 10.1	1.10	clear	N/A
JL 2/18/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
<b>SAMPLING DATA</b>											
SAMPLER BY (PRINT) / AFFILIATION: Grayson, MANNINA			SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>								
PUMP OR TUBING DEPTH IN WELL (feet): N/A		TUBING MATERIAL CODE: N/A		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:							
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N		TUBING Y <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)						
					FINAL pH						
REMARKS: SEE COC FOR ANALYSIS → ORP: 1122 (113.5)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C. 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3) pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)											

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: Mine-Cut		SAMPLE ID: Mine-Cut				DATE: 2/8/21					
<b>PURGING DATA</b>											
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches) N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft			STATIC DEPTH TO WATER (feet): 2.15		PURGE PUMP TYPE OR BAILER: BAILER				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		PURGING INITIATED AT: N/A		PURGING ENDED AT: N/A		TOTAL VOLUME PURGED (gallons): N/A			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1153	N/A	N/A	N/A	2.15	6.20	18.3	315	1.19 / 12.6	2.19	clear	None
 <i>2/8/21</i>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Gary S. Mann, NA</i>			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1153	SAMPLING ENDED AT: 1155		
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: N/A			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ $\mu\text{m}$ Filtration Equipment Type:		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
REMARKS: SEE COC FOR ANALYSIS ▲ ORP: 1153 (39.0)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO. Stream 3C2		SAMPLE ID: Stream 3C2			DATE: 2/8/21						
PURGING DATA											
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): 1.65	PURGE PUMP TYPE OR BAILER:							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME * (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons * ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{s/cm}$	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1229	N/A	N/A	N/A	1.65	6.44	18.4	390.7	6.59 / 69.0	1.56	Clear	None
<i>[Handwritten signatures and initials over the table]</i>											
2/8/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailey; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

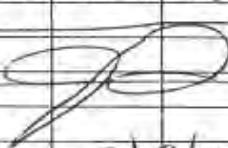
SAMPLED BY (PRINT) / AFFILIATION: Grayson, MANNINA			SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>			SAMPLING INITIATED AT: 1229	SAMPLING ENDED AT: 1232	
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: N/A			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ $\mu\text{m}$ Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			TUBING <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
REMARKS: SEE COC FOR ANALYSIS → ORP: 1229(123-4)								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailey; BP = Bladder Pump; ESP = Electric Submersible Pump; RPPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

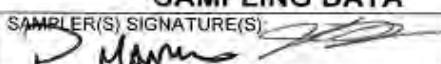
Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: 3B2B		SAMPLE ID: 3B2B	DATE: 2/8/21

**PURGING DATA**

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER:							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN mg/L / % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1250	N/A	N/A	N/A	N/A	6.07	18.9	252.9	509154.7	1.19	Clear	None
 2/8/21											
<b>WELL CAPACITY (Gallons Per Foot):</b> 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 <b>TUBING INSIDE DIA. CAPACITY (Gal./ft):</b> 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
<b>PURGING EQUIPMENT CODES:</b> B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

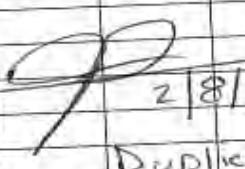
SAMPLED BY (PRINT) / AFFILIATION: Grayson, MANN/UA			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1250	SAMPLING ENDED AT: 1253		
PUMP OR TUBING DEPTH IN WELL (feet):			TUBING MATERIAL CODE:			FIELD-FILTERED: Y N	FILTER SIZE: _____ μm Filtration Equipment Type:		
FIELD DECONTAMINATION: PUMP Y N			TUBING Y N (replaced)			DUPPLICATE: Y	N		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS → ORP: 1250(69.7)									
<b>MATERIAL CODES:</b> AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
<b>SAMPLING EQUIPMENT CODES:</b> APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida									
WELL NO: Duplicate		SAMPLE ID: Duplicate	DATE 2/8/21								
<b>PURGING DATA</b>											
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): X WELL CAPACITY								
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( feet - feet) X 0.16 gallons/foot = gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + ( gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A TOTAL VOLUME PURGED (gallons): N/A								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTU)	COLOR (describe)	ODOR (describe)
 2/8/21 Duplicate											
<b>WELL CAPACITY (Gallons Per Foot):</b> 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 <b>TUBING INSIDE DIA. CAPACITY (Gal./ft):</b> 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 <b>PURGING EQUIPMENT CODES:</b> B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

<b>SAMPLING DATA</b>									
SAMPLED BY (PRINT) / AFFILIATION: <i>Garrison, MANNINO</i>		SAMPLER(S) SIGNATURE(S): <i>P. Mannino</i>	SAMPLING INITIATED AT: N/A SAMPLING ENDED AT: N/A						
PUMP OR TUBING DEPTH IN WELL (feet)		TUBING MATERIAL CODE:	FIELD-FILTERED: Y N FILTER SIZE: _____ μm						
FIELD DECONTAMINATION	PUMP Y N	TUBING Y N (replaced)	DUPPLICATE: Y N						
SAMPLE CONTAINER SPECIFICATION									
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
<b>REMARKS: SEE COC FOR ANALYSIS</b> → ORP: N/A									
<b>MATERIAL CODES:</b> AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) <b>SAMPLING EQUIPMENT CODES:</b> APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater). Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill				SITE LOCATION: Lithia, Florida					
WELL NO: TH-78		SAMPLE ID: TH-78		DATE: 2/9/21					
PURGING DATA									
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 163.14 ft to 178.14 ft		STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER: BP			
2	1/2	68.31		68.31					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)									
= ( 178.14 feet - 68.31 feet ) X 0.16 gallons/foot = 17.57 gallons									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)									
= N/A gallons + N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 177.14		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 177.14		PURGING INITIATED AT: 0751		PURGING ENDED AT: 0906			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm		
0902	17.75	17.75	0.25	68.38	8.21	22.8	514		
0904	0.50	18.25	0.25	68.38	8.19	22.8	514		
0906	0.50	18.75	0.25	68.38	8.18	22.8	516		
DISSOLVED OXYGEN (circle units) mg/L or % saturation									
TURBIDITY (NTUs)									
COLOR (describe)									
ODOR (describe)									
2/9/21									
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)									
SAMPLING DATA									
SAMPLED BY (PRINT) / AFFILIATION: <i>GREGORY MANNINA</i>			SAMPLER(S) SIGNATURE(S): <i>R. MANNINA</i>			SAMPLING INITIATED AT: 0906			
PUMP OR TUBING DEPTH IN WELL (feet): 177.14			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
REMARKS: SEE COC FOR ANALYSIS → ORP: 0902 (-160.8) 0904 (-162.2) 0906 (-164.1)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C. 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3) pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)									

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida
WELL NO: TH-40	SAMPLE ID: TH-40
	DATE: 2/9/21

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 155.9 ft to 165.9 ft	STATIC DEPTH TO WATER (feet): 85.34	PURGE PUMP TYPE OR BAILEY: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 165.9 feet - 85.34 feet ) X 0.16 gallons/foot = 12.89 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME * (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 164.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 164.9	PURGING INITIATED AT: 0944	PURGING ENDED AT: 0948	TOTAL VOLUME PURGED (gallons): 15.6							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0944	13.0	13.0	0.65	85.34	7.40	23.5	393.5	1.08	1.01	clear	None
0946	1.3	14.3	0.65	85.34	7.42	23.6	392.5	1.06	0.82	clear	None
0948	1.3	15.6	0.65	85.34	7.48	23.6	394.0	1.07	0.37	clear	None
<i>JM</i>					2/9/21						

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.68  
TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Graffson, MANN, NA</i>	SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>	SAMPLING INITIATED AT: 0948	SAMPLING ENDED AT: 0952					
PUMP OR TUBING DEPTH IN WELL (feet): 164.9	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:					
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>						
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
REMARKS: SEE COC FOR ANALYSIS	ORP: 0944(-80.2)0946(-83.3)0948(-83.9)							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

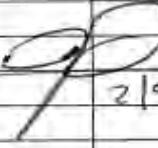
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3).

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-22A		SAMPLE ID: TH-22A	DATE: 2/9/21

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 17.90 ft to 27.90 ft	STATIC DEPTH TO WATER (feet): 4.42	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 27.90 feet - 4.42 feet ) X 0.16 gallons/foot = 3.76 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.90	PURGING INITIATED AT: 1003	PURGING ENDED AT: 1023	TOTAL VOLUME PURGED (gallons): 5.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1019	4.0	4.0	0.25	4.91	4.41	21.1	167.7	4.60	228	Clear	None
1021	0.5	4.5	0.25	4.91	4.41	21.2	167.1	4.67	0.99	clear	None
1023	0.5	5.0	0.25	4.91	4.44	21.1	167.8	4.63	1.15	clear	None
 <span style="font-size: 2em;">2/9/21</span>											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./FL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Baile; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANN, NA</i>	SAMPLER(S) SIGNATURE(S): <i>T. Mann</i>	SAMPLING INITIATED AT: 1023	SAMPLING ENDED AT: 1027			
PUMP OR TUBING DEPTH IN WELL (feet): 26.90	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME			
REMARKS: SEE COC FOR ANALYSIS → ORP: 1019(135.1) 1021(132.3) 1023(130.4) 2/9/21						
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)						
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baile; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)						

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

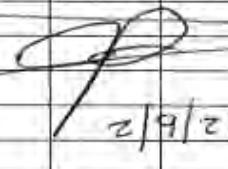
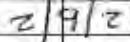
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

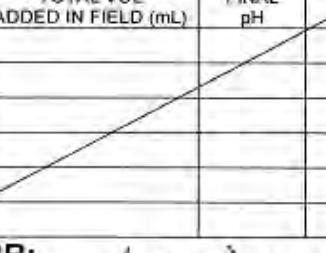
Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-36A		SAMPLE ID: TH-36A	DATE: 2/9/21

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 28.7 ft to 38.7 ft	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER: BP							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 38.7 feet - 32.82 feet ) x 0.16 gallons/foot = 0.94 gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot x N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.7	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1106	TOTAL VOLUME PURGED (gallons): 1.65							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1102	1.05	1.05	0.15	33.0	5.69	25.3	223.4	0.97	13.8	Clear	None
1104	0.3	1.35	0.15	33.0	5.66	25.4	223.5	0.82	9.72	Clear	None
1106	0.3	1.65	0.15	33.0	5.68	25.4	224.0	0.88	7.18	Clear	None
 											
<b>WELL CAPACITY (Gallons Per Foot):</b> 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 <b>TUBING INSIDE DIA. CAPACITY (Gal./ft):</b> 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
<b>PURGING EQUIPMENT CODES:</b> B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>	SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>	SAMPLING INITIATED AT: 1106	SAMPLING ENDED AT: 1110													
PUMP OR TUBING DEPTH IN WELL (feet): 37.7	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ μm													
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/>														
<b>SAMPLE CONTAINER SPECIFICATION</b>		<b>SAMPLE PRESERVATION</b>														
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)							
																
<b>REMARKS:</b> SEE COC FOR ANALYSIS →			<b>ORP:</b> 1102(135.8) 1104(136.0) 1106(135.3)													
<b>MATERIAL CODES:</b> AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)																
<b>SAMPLING EQUIPMENT CODES:</b> APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)																

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

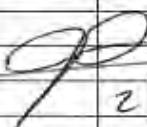
SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-57			SAMPLE ID: TH-57			DATE: 2/9/21					
<b>PURGING DATA</b>											
WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): 1/2		WELL SCREEN INTERVAL DEPTH: 16.83 ft to 26.83 ft		STATIC DEPTH TO WATER (feet): 18.68		PURGE PUMP TYPE OR BAILER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 26.83 feet - 18.68 feet ) X 0.16 gallons/foot = 1.30 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25.83		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25.83		PURGING INITIATED AT: 1133		PURGING ENDED AT: 1134		TOTAL VOLUME PURGED (gallons): 1.8			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or psig/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	1.4	1.4	0.2	18.79	5.14	28.2	300.5	4.63	1.73	Clear	Sulfur
1132	0.2	1.6	0.2	18.79	5.13	28.2	302.8	4.61	1.90	Clear	Sulfur
1134	0.2	1.8	0.2	18.79	5.06	28.2	360.1	4.62	1.45	Clear	Sulfur
PP 2/9/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
<b>SAMPLING DATA</b>											
SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>			SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>				SAMPLING INITIATED AT: 1134		SAMPLING ENDED AT: 1137		
PUMP OR TUBING DEPTH IN WELL (feet): 25.83			TUBING MATERIAL CODE: T				FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE _____ μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
REMARKS: SEE COC FOR ANALYSIS ▾ ORP: 1130(4.4) 1132(0.7) 1134(-2.1)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-28A			SAMPLE ID: TH-28A			DATE: 2/9/21					
<b>PURGING DATA</b>											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 24.3 ft to 34.3 ft			STATIC DEPTH TO WATER (feet): 27.9	PURGE PUMP TYPE OR BAILE: BP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 34.3 feet - 27.9 feet ) x 0.16 gallons/foot = 1.02 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot x N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33.3		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33.3			PURGING INITIATED AT: 1146	PURGING ENDED AT: 1202	TOTAL VOLUME PURGED (gallons): 1.44				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1158	1.08	1.08	0.09	28.02	4.97	27.8	335.0	3.28	9.28	clear	None
1200	0.18	1.26	0.09	28.02	5.00	27.7	324.5	3.33	9.48	clear	None
1202	0.18	1.44	0.09	28.02	4.99	27.7	321.1	3.35	6.15	clear	None
 <span style="font-size: 2em;">2/9/21</span>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson Mainina</i>			SAMPLER(S) SIGNATURE(S): <i>P. Mainina</i>			SAMPLING INITIATED AT: 1202	SAMPLING ENDED AT: 1206		
PUMP OR TUBING DEPTH IN WELL (feet): 33.3			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:		
FIELD DECONTAMINATION			PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	TUBING <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS →      ORP: 1158(22.3) 1200(16.5) 1202(15.1)									
AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) CODES: APP = Alter Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

do not constitute all of the information required by Chapter 62-160, F.A.C.

ON CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-58			SAMPLE ID: TH-58			DATE: 2/9/21					
<b>PURGING DATA</b>											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 22.92 ft to 32.92 ft	STATIC DEPTH TO WATER (feet): 28.08	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 32.92 feet - 28.08 feet ) X 0.16      gallons/foot = 0.77 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME * (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.92		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.92			PURGING INITIATED AT: 1237		PURGING ENDED AT: 1241		TOTAL VOLUME PURGED (gallons): 1.2		
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or $\sigma$ mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1237	0.8	0.8	0.1	28.35	5.55	27.3	609	2.74	1.37	clear	None
1239	0.2	1.0	0.1	28.35	5.55	27.3	634	2.69	1.90	clear	None
1241	0.2	1.2	0.1	28.35	5.55	27.3	648	2.61	1.41	clear	None
 2/9/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											
TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, Mann, Inc.</i>			SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>			SAMPLING INITIATED AT: 1241		SAMPLING ENDED AT: 1245			
PUMP OR TUBING DEPTH IN WELL (feet): 31.92			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N <input type="checkbox"/> (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
REMARKS: SEE COC FOR ANALYSIS				ORP: 1237(50.3) 1239(42.6) 1241(37.0)							
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-67		SAMPLE ID: TH-67	DATE: 2/9/21

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 5.25 ft to 15.25 ft	STATIC DEPTH TO WATER (feet): 6.38	PURGE PUMP TYPE OR BAILER: BP							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 15.25 feet - 6.38 feet ) X 0.16 gallons/foot = 1.42 gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) * FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.25	PURGING INITIATED AT: 1305	PURGING ENDED AT: 1322	TOTAL VOLUME PURGED (gallons): 1.87							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) μmhos/cm or μScm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1318	1.43	1.43	0.11	8.69	6.08	22.8	447.4	4.28	4.68	clear	None
1320	0.22	1.65	0.11	8.69	6.09	22.9	452.5	4.16	4.15	clear	None
1322	0.22	1.87	0.11	8.69	6.11	23.0	459.7	4.09	3.48	clear	None
<i>JM</i> 2/9/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Baile, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>GRAYSON, MANNINA</b>		SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>		SAMPLING INITIATED AT: 1322	SAMPLING ENDED AT: 1326		
PUMP OR TUBING DEPTH IN WELL (feet): 14.25		TUBING MATERIAL CODE: T		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		TUBING Y <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS		ORP: 1318 (-28.9) 1320 (-31.4) 1322 (-33.8)					
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass;		PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)					
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baile;		BP = Bladder Pump; ESP = Electric Submersible Pump;					
RFFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain);		O = Other (Specify)					

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-66A		SAMPLE ID: TH-66A			DATE: 2/9/21						
<b>PURGING DATA</b>											
WELL DIAMETER (inches) 2	TUBING DIAMETER (inches) 1/2	WELL SCREEN INTERVAL DEPTH: 5.37 ft to 15.37 ft	STATIC DEPTH TO WATER (feet) 10.06	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 15.37 feet - 10.06 feet ) x 0.16 gallons/foot = 0.85 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot x N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet) 14.37	FINAL PUMP OR TUBING DEPTH IN WELL (feet) 14.37	PURGING INITIATED AT: 1348		PURGING ENDED AT: 1348	TOTAL VOLUME PURGED (gallons) 1.1						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) mmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTU)	COLOR (describe)	ODOR (describe)
1344	0.88	0.88	0.11	11.31	6.01	24.5	224.4	0.51	17.0	clear	None
1346	0.22	0.99	0.11	11.31	6.02	24.6	220.8	0.67	16.3	clear	None
1348	0.22	1.10	0.11	11.31	5.91	24.4	219.2	0.79	15.5	clear	None
JP											
2/9/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION <i>Grayson, MANNINA</i>			SAMPLER(S) SIGNATURE(S) <i>P. Mannina</i>			SAMPLING INITIATED AT: 1348		SAMPLING ENDED AT: 1352	
PUMP OR TUBING DEPTH IN WELL (feet): 14.37			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS → ORP: 1344(-79.8) 1346(-77.3) 1348(-74.6)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = Alter Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-66	SAMPLE ID: TH-66	DATE 2/9/21	

**PURGING DATA**

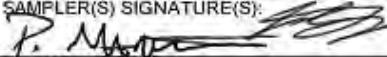
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 11.30 ft to 21.30 ft	STATIC DEPTH TO WATER (feet): 9.63	PURGE PUMP TYPE OR BAIRER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (21.30 \text{ feet} - 9.63 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.87 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= N/A \text{ gallons} + (N/A \text{ gallons/foot} \times N/A \text{ feet}) + N/A \text{ gallons} = N/A \text{ gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	PURGING INITIATED AT: 1403	PURGING ENDED AT: 1415	TOTAL VOLUME PURGED (gallons): 3.0							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
1411	2.0	2.0	0.25	10.21	5.89	24.2	206.9	1.44	5.60	Clear	None
1413	0.5	2.5	0.25	10.21	5.80	24.2	202.8	1.37	4.52	Clear	None
1415	0.5	3.0	0.25	10.21	5.78	24.1	198.6	1.37	2.64	Clear	None
<i>[Handwritten Signature]</i>											
2/9/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal/Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Grayson, MANNINA	SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>	SAMPLING INITIATED AT: 1415	SAMPLING ENDED AT: 3.0				
PUMP OR TUBING: TUBING	MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:				
DEPTH IN WELL (feet): 20.30							
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>	DUPPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	
REMARKS: SEE COC FOR ANALYSIS		ORP: 1411(42.5) 1413(39.0) 1415(36.9)					
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)							
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)							

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: Field Blank			SAMPLE ID: Field Blank			DATE: 2/9/21					
<b>PURGING DATA</b>											
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft		STATIC DEPTH TO WATER (feet): N/A		PURGE PUMP TYPE OR BAILER: N/A					
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		PURGING INITIATED AT: N/A		PURGING ENDED AT: N/A		TOTAL VOLUME PURGED (gallons): N/A			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
 <span style="font-size: 2em; margin-left: 10px;">2/9/21</span> <span style="font-size: 1.5em; margin-left: 10px;">Field Blank</span>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>			SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>			SAMPLING INITIATED AT: 0808		SAMPLING ENDED AT: 0810	
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: N/A			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<span style="font-size: 1.5em; margin-left: 10px;">SEE COC FOR ANALYSIS</span> ← <span style="font-size: 1.5em; margin-left: 10px;">ORP: N/A</span>									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-65		SAMPLE ID: TH-65			DATE: 2/10/21						
PURGING DATA											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 13 ft to 23 ft		STATIC DEPTH TO WATER (feet): 14.99		PURGE PUMP TYPE OR BAILER: BP					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (23 \text{ feet} - 14.99 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.28 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= N/A \text{ gallons} + (N/A \text{ gallons/foot} \times N/A \text{ feet}) + N/A \text{ gallons} = N/A \text{ gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22		PURGING INITIATED AT: 0937		PURGING ENDED AT: 0941		TOTAL VOLUME PURGED (gallons): 1.82			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTU)	COLOR (describe)	ODOR (describe)
0937	1.30	1.30	0.13	15.87	5.49	24.1	186.9	1.30	0.92	clear	sulfur
0939	0.26	1.56	0.13	15.87	5.42	24.1	183.6	1.22	1.13	clear	sulfur
0941	0.26	1.82	0.13	15.87	5.40	24.2	181.7	1.06	0.93	clear	sulfur
<i>2/10/21</i>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0005; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: <i>Grace Bon MANNINA</i>			SAMPLER(S) SIGNATURE(S): <i>R Mann</i>			SAMPLING INITIATED AT: 0941			SAMPLING ENDED AT: 0944		
PUMP OR TUBING: TUBING MATERIAL CODE: T						FIELD-FILTERED: Y <input checked="" type="radio"/> N			FILTER SIZE: _____ $\mu\text{m}$		
DEPTH IN WELL (feet): 22						Filtration Equipment Type:					
FIELD DECONTAMINATION: PUMP Y <input checked="" type="radio"/> N			TUBING Y <input checked="" type="radio"/> N (replaced)			DUPLICATE: Y <input checked="" type="radio"/> N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)		FINAL pH				
REMARKS: SEE COC FOR ANALYSIS      ORP: 0937(10.4) 0939(0.2) 0941(-9.3)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-61A		SAMPLE ID: TH-61A			DATE: 21/10/21						
<b>PURGING DATA</b>											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 13.18 ft to 23.18 ft	STATIC DEPTH TO WATER (feet): 18.60	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 23.18 feet - 18.60 feet ) X 0.16 gallons/foot = 0.73 gallons (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18	PURGING INITIATED AT: 1014	PURGING ENDED AT: 1016	TOTAL VOLUME PURGED (gallons): 1.2						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1012	0.8	0.8	0.1	19.69	5.60	25.5	299.5	0.63	2.48	Clear	Sulfur
1014	0.2	1.0	0.1	19.69	5.60	25.4	298.1	0.56	1.60	clear	Sulfur
1016	0.2	1.2	0.1	19.69	5.60	25.5	295.7	0.48	1.63	clear	Sulfur
<i>J.D.</i> 21/10/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson Mannina</i>				SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>			SAMPLING INITIATED AT: 1016		SAMPLING ENDED AT: 1020		
PUMP OR TUBING DEPTH IN WELL (feet): 22.18			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y N Filtration Equipment Type:		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N		TUBING Y N (replaced)		DUPLICATE: Y N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
<i>[Large blank area for sample container specification]</i>											
REMARKS: SEE COC FOR ANALYSIS → ORP: 1012(11.6) 1014(6.3) 1016(-0.9)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C. 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3) pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200- 2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)											

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-61		SAMPLE ID: TH-61	DATE: 2/10/21

**PURGING DATA**

WELL DIAMETER (inches) 2	TUBING DIAMETER (inches) 1/2	WELL SCREEN INTERVAL DEPTH: 15.9 ft to 25.9 ft	STATIC DEPTH TO WATER (feet) 17.98	PURGE PUMP TYPE OR BAILER: BP							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 25.9 feet - 17.98 feet ) X 0.16 gallons/foot = 1.27 gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24.9	PURGING INITIATED AT: 1035	PURGING ENDED AT: 1046	TOTAL VOLUME PURGED (gallons): 2.2							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1042	1.4	1.4	0.2	18.45	5.54	25.9	207.1	1.02	1.32	clear	None
1044	0.4	1.8	0.2	18.45	5.50	25.9	207.4	0.83	1.46	clear	None
1046	0.4	2.2	0.2	18.45	5.49	25.9	207.6	0.68	1.03	clear	None
<i>[Handwritten signatures and initials over the table]</i>											
2/10/21											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, Mann, Inc.</i>	SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1050						
PUMP OR TUBING DEPTH IN WELL (feet): 24.9	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: ____ μm Filtration Equipment Type:						
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input type="checkbox"/> N (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS → ORP: 1042 (30.9) 1044 (20.1) 1046 (20.4)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-64		SAMPLE ID: TH-64		DATE: 2/10/21							
PURGING DATA											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH 9.20 ft to 19.20 ft <small>13.7 ft to 23.7 ft</small>	STATIC DEPTH TO WATER (feet): 18.26	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 19.20 feet - 18.26 feet X 0.16 gallons/foot = 0.79 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18.2	PURGING INITIATED AT: 1128	PURGING ENDED AT: 1140	TOTAL VOLUME PURGED (gallons): 1.32							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) <small>µmhos/cm or µSiemens</small>	DISSOLVED OXYGEN (circle units) <small>mg/L or % saturation</small>	TURBIDITY (NTU)	COLOR (describe)	ODOR (describe)
1136	0.88	0.88	0.11	18.46	4.76	26.6	175.8	0.49	16.4	clear	sulfur
1138	0.22	1.10	0.11	18.46	4.75	26.7	175.5	0.70	17.8	clear	sulfur
1140	0.22	1.32	0.11	18.46	4.76	26.7	175.5	0.68	12.4	clear	sulfur
 2/10/21											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson MANNINA</i>	SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1144			
PUMP OR TUBING: 22-83	TUBING MATERIAL CODE: T		FIELD-FILTERED: Y <input checked="" type="checkbox"/> <input type="checkbox"/> N	FILTER SIZE: _____ µm Filtration Equipment Type:			
DEPTH IN WELL (feet): 18.2 <small>2/10/21</small>	FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		TUBING Y <input type="checkbox"/> N (replaced)				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED			
REMARKS: SEE COC FOR ANALYSIS	ORP: 1136(120.5) 1138(111.9) 1140(100.2)						
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)							
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)							

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24**

SITE NAME: Southeast County Landfill				SITE LOCATION: Lithia, Florida							
WELL NO: TH-19		SAMPLE ID: TH-19		DATE 2/10/21							
PURGING DATA											
WELL DIAMETER (inches) <b>2</b>	TUBING DIAMETER (inches) <b>1/2</b>	WELL SCREEN INTERVAL DEPTH: 143.6 ft to 153.6 ft	STATIC DEPTH TO WATER (feet) <b>91.81</b>	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (153.6 \text{ feet} - 91.81 \text{ feet}) \times 0.16 \text{ gallons/foot} = 9.89 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME * (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{N/A gallons} + (\text{N/A gallons/foot} \times \text{N/A feet}) + \text{N/A gallons} = \text{N/A gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>152.6</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>152.6</b>		PURGING INITIATED AT: <b>1158</b>	PURGING ENDED AT: <b>1226</b>	TOTAL VOLUME PURGED (gallons): <b>11.74</b>					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP, (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or Saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1222	10.08	10.08	0.42	91.86	7.04	23.3	392.3	0.32	1.62	Clear	None
1224	0.84	10.92	0.42	91.85	7.05	23.3	392.4	0.31	0.66	clear	None
1226	0.84	11.76	0.42	91.85	7.08	23.3	392.4	0.28	0.90	clear	None
<i>JM</i> 2/10/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: <b>Grayson, MANNINA</b>				SAMPLER(S) SIGNATURE(S): <b>P. Mannina</b>				SAMPLING INITIATED AT: <b>1226</b>	SAMPLING ENDED AT: <b>1230</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>152.6</b>				TUBING MATERIAL CODE: <b>T</b>		FIELD-FILTERED: <b>Y</b> <b>N</b> Filtration Equipment Type:		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b>				TUBING <b>Y</b> <b>N</b> (replaced)		DUPLICATE: <b>Y</b> <b>N</b>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
REMARKS: SEE COC FOR ANALYSIS → ORP: 1222(-68.8) 1224(-722) 1226(-755)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

**2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS: ± 2% Specific Conductance; ± 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-1).

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (with

2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

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Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida		DATE: 2/10/21 <i>HP per Client</i>
WELL NO: TH-72	SAMPLE ID: TH-72			

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 180 ft to 190 ft	STATIC DEPTH TO WATER (feet): 85.57	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 190 feet - 85.57 feet ) X 0.16 gallons/foot = 14.71 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 189	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 189	PURGING INITIATED AT: 1250	PURGING ENDED AT: 1342	TOTAL VOLUME PURGED (gallons): 18.2							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) umhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1338	16.8	16.8	0.35	85.64	6.60	24.1	1335	0.58	1.79	clear	None
1340	0.7	17.5	0.35	85.64	6.60	24.1	1341	0.53	1.43	clear	None
1342	0.7	18.2	0.35	85.64	6.60	24.1	1345	0.51	2.19	clear	None
<i>J</i> 2/19/21											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>		SAMPLER(S) SIGNATURE(S): <i>P. Mannina</i>		SAMPLING INITIATED AT: 1342	SAMPLING ENDED AT: 1346				
PUMP OR TUBING DEPTH IN WELL (feet): 189		TUBING MATERIAL CODE: T		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ μm				
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		TUBING <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS				ORP: 1338 (-77.1) 1340 (-77.4) 1342 (-82.2)					
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida								
WELL NO: TH-68		SAMPLE ID: TH-68			DATE: 2/11/21 <i>2/11/21</i>						
PURGING DATA											
WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 12.2 ft to 22.2 ft	STATIC DEPTH TO WATER (feet): 13.92	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (22.2 \text{ feet} - 13.92 \text{ feet}) \times 0.16 \text{ gallons/foot} = 1.33 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= N/A \text{ gallons} + (N/A \text{ gallons/foot} \times N/A \text{ feet}) + N/A \text{ gallons} = N/A \text{ gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.2		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.2		PURGING INITIATED AT: 0845	PURGING ENDED AT: 0947						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) μmhos/cm <i>or μS/cm</i>	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0855	1.44	1.44	0.12	17.98	5.68	25.9	191.3	0.63	53.0	Cloudy	None
0857	0.24	1.68	0.12								
0859	0.24	1.92	0.12								
0907	1.44	2.88	0.12	17.98	5.35	25.6	187.1	0.84	43.3	Cloudy	None
0919	1.44	4.32	0.12	17.98	5.40	26.3	193.6	0.86	49.8	Cloudy	None
0931	1.44	5.76	0.12	17.98	5.35	25.7	192.8	0.91	60.2	Cloudy	None
0943	1.44	6.20	0.12	17.98	5.38	25.9	193.8	1.12	58.3	Cloudy	None
0945	0.24	7.44	0.12	17.98	5.38	25.8	193.8	1.14	56.1	Cloudy	None
0947	0.24	7.68	0.12	17.98	5.38	25.8	193.7	1.15	59.7	Cloudy	None
<i>2/11/21</i>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
SAMPLING DATA											
SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, Mann AIA</i>			SAMPLER(S) SIGNATURE(S) <i>[Signature]</i>				SAMPLING INITIATED AT: 0947	SAMPLING ENDED AT: 0951			
PUMP OR TUBING DEPTH IN WELL (feet): 21.2			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:				
FIELD DECONTAMINATION: PUMP		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING		Y <input checked="" type="checkbox"/> N (replaced)	DUPLICATE:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	<i>ORP</i>				
							<i>0943(20.3)</i>				
							<i>0945(20.1)</i>				
							<i>0947(20.3)</i>				
REMARKS: SEE COC FOR ANALYSIS → ORP: <i>0855(1.0) 0907(1.2) 0919(10.2) 0931(20.1)</i>											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-69A		SAMPLE ID: TH-69A	DATE: 2/11/21

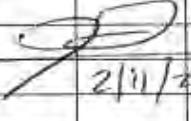
**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 20 ft to 35 ft	STATIC DEPTH TO WATER (feet): 26.03	PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= ( 35 feet - 26.03 feet ) x 0.16 gallons/foot = 1.44 gallons				

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME  
(only fill out if applicable)

= N/A gallons + ( N/A gallons/foot x N/A feet ) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34	PURGING INITIATED AT 1016	PURGING ENDED AT 1028	TOTAL VOLUME PURGED (gallons): 2.16
--	--	------------------------------	--------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mg/cm³	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1024	1.44	1.44	0.18	26.03	5.66	26.3	626	0.85	2.04	Clear	None
1026	0.36	1.80	0.18	26.03	5.66	26.3	647	1.14	1.29	Clear	None
1028	0.36	2.16	0.18	26.03	5.68	26.3	659	1.13	1.30	Clear	None
 2/11/21											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal/ftL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailey; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1028	SAMPLING ENDED AT: 1032						
PUMP OR TUBING DEPTH IN WELL (feet): 34	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE _____ µm						
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N [replaced]	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
REMARKS: SEE COC FOR ANALYSIS → ORP: 1024 (-42.9) 1026 (-45.4) 1028 (-47.5)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailey; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: Southeast County Landfill				SITE LOCATION: Lithia, Florida							
WELL NO: TH-70A		SAMPLE ID: TH-70A		DATE: 2/11/21							
<b>PURGING DATA</b>											
WELL DIAMETER (inches) 2		TUBING DIAMETER (inches) 1/2		WELL SCREEN INTERVAL DEPTH: 21.58 ft to 36.58 ft		STATIC DEPTH TO WATER (feet) 26.57		PURGE PUMP TYPE OR BAIRER: BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( 36.58 feet - 26.57 feet ) X 0.16 gallons/foot = 1.60 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet) 35.58		FINAL PUMP OR TUBING DEPTH IN WELL (feet) 35.58			PURGING INITIATED AT 1043		PURGING ENDED AT 1138		TOTAL VOLUME PURGED (gallons) 8.25		
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTU)	COLOR (describe)	ODOR (describe)
1054	1.65	1.65	0.15	27.96	6.01	26.6	615	0.77	82.5	Red	None
1105	6.30	6.30	0.15	27.96	6.05	26.6	602	2.12	327.2	Red	None
1116	1.65	4.95	0.15	27.96	6.08	26.4	598	2.58	183.4	Red	None
1127	1.65	6.60	0.15	27.96	6.10	26.5	599	2.65	185.4	Red	None
1138	1.65	8.25	0.15	27.96	6.11	26.6	6000	2.66	181.3	Red	None
1140											
1142											
P 2/11/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft.) 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											
<b>SAMPLING DATA</b>											
SAMPLED BY (PRINT) / AFFILIATION: <i>Graefson, MANN/NA</i>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SAMPLING INITIATED AT: 1138		SAMPLING ENDED AT: 1142		
PUMP OR TUBING DEPTH IN WELL (feet) 35.58			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:			FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input type="checkbox"/> N <input checked="" type="checkbox"/> (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ORP 1138 (-25.4) 1140 90 2/11/21				
REMARKS: SEE COC FOR ANALYSIS → ORP: 1054(-46.2) 1105(-28.8) 1116 (-24.9) 1127(-24.9)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: TH-71A		SAMPLE ID: TH-71A	

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 22.78 ft to 37.78 ft		STATIC DEPTH TO WATER (feet)		PURGE PUMP TYPE OR BAILER: BP							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)													
= ( 37.78 feet - 27.19 feet ) X 0.16 gallons/foot = 1.69 gallons													
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)													
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons													
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78		PURGING INITIATED AT: 1202		PURGING ENDED AT: 1222							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) μmhos/cm or 1/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)		
1218	1.76	1.76	0.11	27.19	5.82	25.2	1797	0.15	13.1	clear	None		
1220	0.22	1.98	0.11	27.19	5.83	25.2	1794	0.17	6.85	clear	None		
1222	0.22	2.20	0.11	27.19	5.83	25.1	1784	0.13	6.90	clear	None		
<i>GD</i> 2/11/21													

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal/ftL): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristaltic Pump, O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson, MANNINA</i>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1222	SAMPLING ENDED AT: 1226
PUMP OR TUBING DEPTH IN WELL (feet): 36.78			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm Filtration Equipment Type:
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE COC FOR ANALYSIS ▾ ORP: 1218 (-32.8) 1220 (-34.2) 1222 (-35.1)

MATERIAL CODES: AG = Amber Glass, CG = Clear Glass, PE = Polyethylene, PP = Polypropylene, S = Silicone, T = Teflon, O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump,  
RFFP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida	
WELL NO: Duplicate	SAMPLE ID: Duplicate	DATE: 2/11/21	

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAIRER:
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= ( feet - feet ) X 0.16 gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + ( gallons/foot X feet ) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)
				pH (standard units)
				TEMP (°C)
				COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$
				DISSOLVED OXYGEN (circle units) mg/L or % saturation
				TURBIDITY (NTUs)
				COLOR (describe)
				ODOR (describe)

  
 2/11/21  
 Duplicate

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.68  
 TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Grunson, MANNINA			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: N/A	SAMPLING ENDED AT: 2/11/21	
PUMP OR TUBING DEPTH IN WELL (feet)			TUBING MATERIAL CODE:			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)			
REMARKS: SEE COC FOR ANALYSIS ▶ ORP: N/A								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
 pH:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida									
WELL NO: Field Blank		SAMPLE ID: Field Blank	DATE: 2/12/2021								
<b>PURGING DATA</b>											
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): N/A								
PURGE PUMP TYPE OR BAILER: N/A											
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) * FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A      PURGING ENDED AT: N/A      TOTAL VOLUME PURGED (gallons): N/A								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<i>2/12/2021</i> <i>Field</i> <i>Blank</i>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Greyson, Mann, N/A</i>			SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>			SAMPLING INITIATED AT: 0918	SAMPLING ENDED AT: 0920	
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: N/A			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N			TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> N		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
<b>REMARKS: SEE COC FOR ANALYSIS</b> → ORP: N/A								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida, 121 Carter rd	
WELL NO: Holland	SAMPLE ID: Holland		DATE: 2/12/2021

**PURGING DATA**

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH N/A ft to N/A ft		STATIC DEPTH TO WATER (feet)	N/A	PURGE PUMP TYPE OR BAILER: Valve					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)						= ( N/A feet - N/A feet) X N/A gallons/foot = N/A gallons					
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)						= N/A gallons + ( N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons					
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A		PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons): N/A					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0940	N/A	N/A	N/A	N/A	6.66	19.7	373.2	0.31	2.34	clear	None
2/12/21											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Garayson, M ANNINA			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0940	SAMPLING ENDED AT: 0942		
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: N/A		FIELD-FILTERED: Y <input checked="" type="checkbox"/> FILTER SIZE: _____ µm Filtration Equipment Type:				
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/>		TUBING Y <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
REMARKS: SEE COC FOR ANALYSIS → ORP: 0940 (-80.8)									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill			SITE LOCATION: Lithia, Florida									
WELL NO: Barnes			SAMPLE ID: Barnes			DATE: 2/12/21						
<b>PURGING DATA</b>												
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft			STATIC DEPTH TO WATER (feet): N/A		PURGE PUMP TYPE OR BAILER: Valve					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)												
= ( N/A feet - N/A feet ) X N/A gallons/foot = N/A gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)												
= N/A gallons + ( N/A gallons/foot X N/A feet ) + N/A gallons = N/A gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):		
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) <small>µmhos/cm or mS/cm</small>	DISSOLVED OXYGEN (circle units) <small>mg/L or % saturation</small>	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
0955	N/A	N/A	N/A	N/A	7.03	20.5	324.7	0.62	1.11	clear	None	
<i>[Handwritten signature]</i> <i>2/12/21</i>												

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88  
TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Carayson, MANNINA</i>				SAMPLER(S) SIGNATURE(S): <i>P. Mann</i>			SAMPLING INITIATED AT: 0955	SAMPLING ENDED AT: 0957	
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ µm Filtration Equipment Type:		
FIELD DECONTAMINATION:		PUMP: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING: Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
<b>REMARKS: SEE COC FOR ANALYSIS</b> → ORP: <i>0955(126.0)</i>									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill		SITE LOCATION: Lithia, Florida, 16617 Cr 672									
WELL NO: Keene	SAMPLE ID: Keene		DATE: 2/12/2021								
<b>PURGING DATA</b>											
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): N/A								
PURGE PUMP TYPE OR BAILER: Valve											
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= ( N/A feet - N/A feet ) x N/A gallons/foot = N/A gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
= N/A gallons + ( N/A gallons/foot x N/A feet ) + N/A gallons = N/A gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	N/A	N/A	N/A	N/A	7.29	24.0	375.9	0-18	1.13	clear	None
Z/12/21											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>Grayson MANNING</i>		SAMPLER(S) SIGNATURE(S) <i>P. Manning</i>		SAMPLING INITIATED AT: 1136	SAMPLING ENDED AT: 1138			
PUMP OR TUBING DEPTH IN WELL (feet): N/A		TUBING MATERIAL CODE: N/A		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$			
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N		TUBING Y <input checked="" type="checkbox"/> N (replaced)		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
REMARKS: SEE COC FOR ANALYSIS → ORP: 1136 (133.1)								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** EPA 350.1  
**Preparation:**

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike recovery of NH<sub>3</sub> for T2102464008 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential bias in this matrix. No further corrective action was required.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

Preparation: All holding times were met.  
Analysis: All holding times were met.

## III. Method

Analysis: EPA 365.4  
Preparation: Copper Sulfate Digestion

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

Calibration: All acceptance criteria were met.  
Blanks: All acceptance criteria were met.  
Surrogates: All acceptance criteria were met.  
Spikes The matrix spike recovery of TP for F2100641002 and T2102306004 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in these matrixes. No further corrective action was required  
Internal Standard: All acceptance criteria were met.  
Samples: All acceptance criteria were met.  
Other: All acceptance criteria were met.  
Serial Dilution: All acceptance criteria were met.  
Duplicates: All acceptance criteria were met.



**Advanced  
Environmental Laboratories, Inc.**

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SW-846 6020  
**Preparation:** SW-846 3010A

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** The upper control criterion was exceeded for several target analytes in Continuing Calibration Verification (CCV) standards for analytical batch 210222M indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

**Blanks:** All acceptance criteria were met.

**Surrogates:** All acceptance criteria were met.

**Spikes:** All acceptance criteria were met.

**Internal Standard:** All acceptance criteria were met.

**Samples:** All acceptance criteria were met.

**Other:** All acceptance criteria were met.

**Serial Dilution:** All acceptance criteria were met.

**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** EPA 365.4  
**Preparation:** Copper Sulfate Digestion

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike recovery of TP for A2101430003 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



**Advanced  
Environmental Laboratories, Inc.**

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SM 4500-Cl-E  
**Preparation:**

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike and matrix spike duplicate recoveries for Chloride for T2102306016 are outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

Preparation: All holding times were met.  
Analysis: All holding times were met.

## III. Method

Analysis: SW-846 6010  
Preparation: SW-846 3010A

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

Calibration: All acceptance criteria were met.  
Blanks: All acceptance criteria were met.  
Surrogates: All acceptance criteria were met.  
Spikes The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Fe for T2103173008 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. No further corrective action is required.  
  
Internal Standard: All acceptance criteria were met.  
Samples: All acceptance criteria were met.  
Other: All acceptance criteria were met.  
Serial Dilution: All acceptance criteria were met.  
Duplicates: All acceptance criteria were met.



**Advanced  
Environmental Laboratories, Inc.**

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SW-846 8260B  
**Preparation:** SW-846 5030B

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** The upper control criterion was exceeded for Vinyl Chloride in the Continuing Calibration Verification (CCV) for analytical batch 1327, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

**Blanks:** The Method Blank (MB) contained low levels of Methylene Chloride above the Method Detection Limit (MDL). In accordance with AEL QA, samples T2102306037-39 and T2102628009 are flagged with a V qualifier to indicate the data is an estimate.

The Method Blank associated with batch 1327 contained a low level concentration of Acetone above the Method Reporting Limit (MDL). The associated samples T2102306037-39 and T2102628005-21 contained this compound and are flagged with a V qualifier to indicate the data is an estimate.

**Surrogates:** All acceptance criteria were met.

**Spikes**



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The spike recovery of Vinyl Chloride for the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was required.

The upper control criterion was exceeded for the following analyte in the matrix spike and matrix spike duplicate for analytical batch 1327: Vinyl Chloride. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The quality of the data is not affected. No further corrective action was required.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.



**Advanced  
Environmental Laboratories, Inc.**

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

#### I. Receipt

No Exceptions were encountered.

#### II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

#### III. Method

**Analysis:** SW-846 8260B  
**Preparation:** SW-846 5030B

#### IV. Preparation

Sample preparation proceeded normally.

#### V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** The Method Blank (MB) contained low levels of Methylene Chloride above the Method Detection Limit (MDL). In accordance with AEL QA, all sample results found in the Method Blank are flagged with a V qualifier to indicate the data is an estimate. The following samples are affected due to having a hit above MDL: T2102306001 and 008  
**Surrogates:** All acceptance criteria were met.  
**Spikes** All acceptance criteria were met.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** EPA 351.2  
**Preparation:** Copper Sulfate Digestion

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike recovery of TKN for F2100641002 and T2102306004 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in these matrixes. No further corrective action was required.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SM 4500-CI-E  
**Preparation:**

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike and matrix spike duplicate recoveries for Chloride for T2102103008 and T2102429001 are outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SW-846 6020  
**Preparation:** SW-846 3010A

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike recoveries of Selenium for T2102306022 and Sb and Ba for G2101183001 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.

**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



Advanced  
Environmental Laboratories, Inc.

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SM 5310B  
**Preparation:**

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** All acceptance criteria were met.  
**Surrogates:** All acceptance criteria were met.  
**Spikes** The matrix spike recovery of TOC for S2100304001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. No further corrective action was required.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.



**Advanced  
Environmental Laboratories, Inc.**

**Work Order:** T2102306  
**Client:** Hillsborough County Public Utilities  
**Project ID:** SELF Semi-Annual SW

## I. Receipt

No Exceptions were encountered.

## II. Holding Times

**Preparation:** All holding times were met.  
**Analysis:** All holding times were met.

## III. Method

**Analysis:** SW-846 8260B  
**Preparation:** SW-846 5030B

## IV. Preparation

Sample preparation proceeded normally.

## V. Analysis

**Calibration:** All acceptance criteria were met.  
**Blanks:** The Method Blank (MB) contained low levels of Methylene Chloride above the Method Detection Limit (MDL). In accordance with AEL QA, all sample results found in the Method Blank are flagged with a V qualifier to indicate the data is an estimate.  
  
The Method Blank associated with batch 1313 contained a low level concentration of Acetone above the Method Reporting Limit (MDL). The associated samples contained this compound at a concentration of at least ten times that found in the Method Blank.  
  
**Surrogates:** All acceptance criteria were met.  
**Spikes:** All acceptance criteria were met.  
**Internal Standard:** All acceptance criteria were met.  
**Samples:** All acceptance criteria were met.  
**Other:** All acceptance criteria were met.  
**Serial Dilution:** All acceptance criteria were met.  
**Duplicates:** All acceptance criteria were met.