DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date

DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Southeast County Landfill

Address 15960 C. R. 672

City Lithia, FL Zip 33503

Telephone Number (813) 671-7707

(2) The GMS Identification Number 4029C30075

(3) DEP Permit Number 35435-022-SO/01

(4) Authorized Representative Name Jeffry Greenwell, P.E., Section Manager, Public Utilities Department.

Address 332 North Falkenburg Road

City Tampa, Florida Zip 33619

Telephone Number (813) 612-7757

(5) Type of Discharge Groundwater – Potential Only

(6) Method of Discharge Landfill

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 12/17/2018

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP # /HRS Certification #

*Comp QAP # /HRS Certification #

Lab Name Advanced Environmental Laboratories, Inc.

Address 9610 Princess Palm Avenue, Tampa, FL 33619

Phone Number (813) 630-9616

PART III ANALYTICAL RESULTS

Facility GMS #:_____ Sampling Date/Time: _____

Test Site ID #: _____ Report Period: _____
(year/quarter)

Well Name: _____ Well Purged (Y/N):_____

Classification of Ground Water:_____ Well Type: ( ) Background
( ) Intermediate
( ) Compliance
( ) Other

Ground Water Elevation (NGVD): _____

or (MSL):_____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

* Attach Laboratory Reports

Hillsborough County Florida

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Tampa, FL 33601-1110

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December 17, 2018

Mr. Steve Morgan
Florida Department of Environmental Protection
Waste Permitting Section
13051 Telecom Parkway
Temple Terrace, FL 33637

SUBJECT: **Southeast County Landfill**
Water Quality Monitoring Permit No. 35435-022-SO/01
Analytical Data Report – August 2018

Dear Mr. Morgan:

In accordance with Water Quality Monitoring Permit No. 35435-022-SO/01, the Hillsborough County Public Utilities Department (County) has prepared the Analytical Data Report (ADR) for the August 2018 water quality monitoring event at the Southeast County Landfill (SCLF). In accordance with the permit, the monitoring plan included the collection of representative groundwater and surface water samples from sixteen (16) surficial aquifer monitoring wells, four (4) upper Floridan aquifer monitoring wells, three (3) private supply wells, and four (4) surface water sampling locations. All groundwater and surface water samples were collected during the week of August 20-27, 2018 and analyzed by our contract laboratory, Advanced Environmental Laboratories, Inc. (AEL). The following paragraphs provide a brief discussion of the parameter-specific water quality observations across the site.

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 4.52 to 6.48 pH units. The background water quality recorded prior to landfill construction and operation

established pH below the acceptable range within the surficial aquifer. This data remains consistent with the historical data set and background water quality.

Total Dissolved Solids (TDS)

Surficial aquifer detection monitoring well, TH-71A, located down gradient of Section 9, exhibited TDS at a concentration of 810 mg/l, exceeding the SDWS of 500 mg/l. The increase in TDS has been observed since 2014 when sediments and storm water advanced through a containment berm during a heavy rainfall event and impacted the nearby surface surrounding the well. The County initiated improvements to the storm water conveyance swale for Section 9 to channel the water away from the monitoring locations. The effect of these improvements has exhibited a slow decrease in TDS over this period of record and the County anticipates this trend to continue until TDS approaches background conditions and stabilizes to levels exhibited prior to 2014.

Surficial aquifer monitoring well TH-67 is located downgradient of the Phase II waste area of the landfill and is also associated with the supplemental quarterly monitoring of groundwater in accordance with the Consent Agreement, OGC File No. 17-0058. This well location indicated a TDS value of 110 mg/l during this monitoring event and continues to improve since implementation of corrective actions related to water quality changes exhibited in February 2016. This trend is anticipated over the period of record as natural attenuation continues and TDS stabilizes.

Chloride

Chloride was detected in surficial aquifer monitoring well TH-67 below the SDWS of 250 mg/l at a concentration of 5.3 mg/l. The County continues to observe an overall reduction of chloride in the groundwater east of the Phase II landfill area. This reduction supports the position that the corrective actions will continue to improve water quality conditions to background levels observed prior to February 2016.

Sodium

Sodium was detected below the Primary Drinking Water Standard (PDWS) of 160 mg/l in surficial aquifer monitoring well TH-67 at a concentration of 2.4 mg/l and continues to observe an overall reduction in the groundwater east and southeast of the Phase II landfill area. The reduction of sodium supports the position that groundwater quality is improving and shall eventually stabilize to background conditions as this trend is anticipated to continue over the period of record.

Arsenic

Arsenic was detected above the Primary Drinking Water Standard (PDWS) of 0.01 mg/l in surficial aquifer detection monitoring wells TH-58 and TH-65. Each well exhibited concentrations at 0.015 mg/l and have historically been above the standard over the period of record. The detection in each groundwater monitoring well appear to be directly attributable to the liberation of arsenic from the sediments in the anaerobic conditions present under the lined landfill. There are no other exceedances of arsenic at the landfill and the detections present are stable and non-migrating off site.

Iron

Iron was detected above the SDWS of 0.3 mg/l in a majority of the surficial aquifer detection and background water quality monitoring wells across the site. Concentrations exceeding the standard ranged from 0.31 to 60 mg/l. Iron in the surficial aquifer monitoring wells has historically been elevated, and documented to be present across the site prior to construction and operation of the landfill. The County maintains the position the elevated iron within the surficial aquifer at the site is naturally occurring and not solely attributable to the landfill. No unusual changes in iron concentrations have been observed during this semi-annual water quality monitoring event.

Vanadium

Vanadium was detected above the Groundwater Cleanup Target Level (GCTL) of 0.049 mg/l in surficial aquifer detection monitoring well TH-61A at 0.074 mg/l. A cursory review of the water quality between monitoring well TH-61A and TH-61 indicate similarities of conductivity, pH, TDS, chloride, sodium, and ammonia. These results are anticipated since the screened interval and sample pump intake of the monitoring wells are within two vertical feet of each other and the wells are approximately 6 feet apart. However, vanadium did not exhibit similar water quality with vanadium exceeding the GCTL in TH-61A but not in monitoring well TH-61. Based upon a review of the historical data over the period of record and lack of vanadium in TH-61, it appears this constituent is an outlier and not indicative of actual water quality conditions.

Upper Floridan Aquifer (UFA) Monitoring Wells

Total Dissolved Solids (TDS)

Upper Floridan aquifer (UFA) monitoring well TH-72 exhibited TDS at 1,000 mg/l and is consistent with the data presented over the period of record. The elevated TDS in TH-72 is attributable to waste in the throat of the former sinkhole in Phase VI of the landfill and the injected grout materials utilized for subsurface stabilization and/or remediation. The County

and FDEP discontinued the monthly monitoring activities for the sinkhole in March 2015 as the water quality stabilized and included this well into the permitted semi-annual groundwater monitoring for the landfill. 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.

Iron

Iron was observed above the SDWS of 0.3 mg/l in UFA monitoring well TH-72 at a concentration of 0.56 mg/l. Iron levels have been consistent since the sinkhole stabilization activities were completed and monthly monitoring associated with the sinkhole were discontinued 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

Representative samples from the surface water sampling locations were collected and analyzed for the permit required list of parameters. The results are discussed in the following paragraphs.

Dissolved Oxygen

Surface water sampling locations Mine Cut 1, Stream-3A, SW3B2B, and Stream-3C2 exhibited dissolved oxygen at 0.37 mg/l, 0.33 mg/l, 3.17 mg/l, and 3.94 mg/l. Sample location Stream-3A is the upstream tributary to Long Flat Creek and representative of surface water entering the Southeast County Landfill property. Surface water sampling location 3C2 is the discharge monitoring point for the site in the tributary to Long Flat Creek. The compiled data exhibits improving water quality across the tributary and is consistent with the historical data set.

pH

Two (2) of the four (4) surface water locations exhibited a pH value below the surface water standard acceptable range of 6.0 to 8.5 pH units. The pH value at locations Mine Cut 1 and SW3B2B was 5.91 and 5.95 pH units. The remaining surface water monitoring locations including the discharge point to Long Flat Creek were within the range and consistent with the historical data set.

Turbidity

In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the County records turbidity data at three monitoring locations in the surface water tributary to Long Flat Creek after each significant rainfall. No violations of the compliance value of 29 NTU over the upstream values were observed during this water quality monitoring event. All historical turbidity data has been tabulated and is provided within this submittal. Based on the water quality observations over the period of record and the improvements to the storm water management system at the site, the County believes discontinuing the required monitoring in the tributary is warranted.

Private Supply Wells

Representative samples from the three (3) private supply wells were collected and the results of the water quality are discussed in the following paragraphs.

Iron

The private supply well owned by Mr. Tom Holland, located at 121 Carter Road, exhibited iron above the SDWS of 0.3 mg/l, at a concentration of 1.4 mg/l. Concentrations of iron are consistently above the SDWS in this supply well and the County maintains the position that iron is naturally occurring within production zones of the upper Floridan aquifer. The remaining supply wells were within all applicable standard and is consistent with the historical results.

Groundwater Elevation and Flow

Groundwater and surface water elevations were recorded on August 20, 2018. Elevation data is collected and utilized to prepare a representative surficial aquifer groundwater contour diagram. The diagram for this event was prepared with a 2 ft. contour interval and has been utilized to evaluate the direction of flow across the site. The general flow direction across the landfill remains to the west/northwest with an easterly component controlled by nearby Mine Cut #1 and #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 remains consistent with the historical data set. Surficial aquifer groundwater monitoring wells continue to exhibit pH, TDS, arsenic, vanadium, and iron outside their applicable standards.

The pH and iron continued below their respective SDWS during this monitoring event. The background water quality recorded prior to landfill construction and operation established pH and iron below the acceptable range within the surficial aquifer and remains consistent with the historical data set.

Water quality observed in surficial aquifer monitoring well TH-71A exhibited concentrations of TDS above the SDWS during this water quality monitoring event. The County has made improvements to the storm water conveyance system since a heavy rainfall event in 2014 when a berm to contain sediments and storm water runoff failed and impacted this monitoring well location. The County anticipates a reduction in TDS as water quality continues to slowly improve over the period of record.

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

Water quality in surficial aquifer monitoring well TH-67, southeast of Phase II waste area of the landfill, did not exhibit indicator parameters of TDS, sodium, and chloride exceeding their respective drinking water standards during this monitoring event. As ongoing evaluation and implementation of corrective actions continue, the water quality improvement since the February 2016 monitoring event is anticipated as constituent levels return to background conditions over the upcoming period of record.

Upper Floridan aquifer 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 since implementation of monthly monitoring activities for the sinkhole were discontinued in March 2015. 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 monitoring locations were within compliance standards except for low dissolved oxygen and pH. The dissolved oxygen improves across the site indicating the The pH in Mine Cut 1 and SW3B2B was slightly under the acceptable range with a result of 5.91 and 5.95 pH units, the County shall continue to closely monitor the water quality from this location. These values are consistent with the historical data set.

Should you have any questions, require any additional information, or would like to discuss the information provided within this submittal, please feel free to contact us at (813) 663-3222 or (813) 612-7757.

Respectfully submitted,

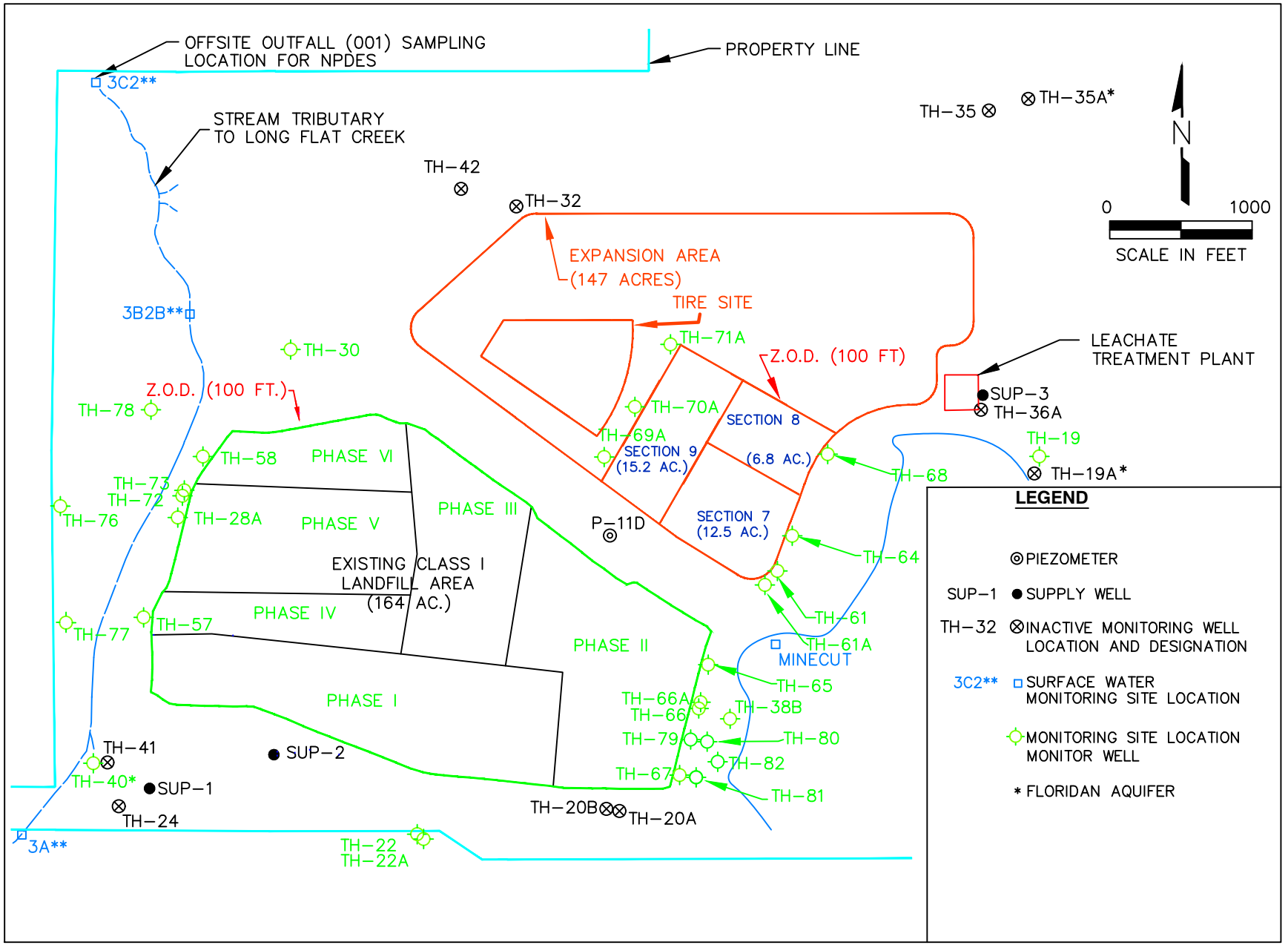
Michael D. Townsel 12/17/2018
Senior Hydrologist
Environmental Services
Public Utilities Department

Jeffry Greenwell, P.E.
Section Manager - GMIII
Environmental Services
Public Utilities Department



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Enclosures
xc: Kim Byer, Director, Solid Waste Management Division
Larry Ruiz, Landfill Manager, Solid Waste Management Division
Joe O'Neill, Professional Engineer II, Solid Waste Management Division
Ernest Ely, Manager, WMI, Southeast County Landfill
Clark Moore, Florida Department of Environmental Protection
Andy Schipfer, HC Environmental Protection Commission
Irene Barnes, Southeast Hillsborough Civic Association
Bruce Clark, SCS Engineers
Bob Curtis, SCS Engineers



Site Map

Southeast County Landfill Facility, Hillsborough County, Florida

Southeast County Landfill
Laboratory Analytical Data
Groundwater Monitoring Wells (Phases 1-6)
August 20-27, 2018

General Parameters	Floridan Aquifer				Surficial Aquifer Wells								MCL Standard
	TH-19	TH-40	TH-72	TH-78	TH-22A	TH-28A	TH-57	TH-58	TH-65	TH-66	TH-66A	TH-67	
well type	Background	Detection	Detection	Detection	Background	Detection	Detection	Detection	Detection	Background	Background	Detection	
conductivity (umhos/cm) (field)	423.6	399.2	1651	544	180.9	311.7	346.5	579	226.7	320.6	279.8	174.5	NS
dissolved oxygen (mg/l) (field)	0.29	0.21	0.09	0.09	0.1	0.39	0.34	0.23	0.33	0.09	0.21	0.15	NS
ORP (mV)	-92.5	-135.3	-164.3	-234.8	-2.8	-89.6	-133.7	-31.9	-162.5	-119.1	-184.8	-88.4	NS
temperature (°C) (field)	23.60	23.80	24.2	23.5	24.40	28.30	28.50	27.30	25.60	26.40	28.20	28.10	NS
turbidity (NTU) (field)	1.23	0.32	0.25	0.44	17.6	2.68	0.75	0.81	3.2	0.89	1.02	3.22	NS
pH (SU) (field)	7.30	7.44	6.65	7.88	**4.52**	**5.07**	**5.26**	**5.79**	**5.56**	**5.92**	**6.05**	**6.48**	(6.5 - 8.5)**
total dissolved solids (mg/l)	290	240	**1000**	330	110	200	170	310	140	170	160	110	500**
chloride (mg/l)	7.5	13	250	28	6.8	58 j4	67	68	12	14	8.4	5.3	250**
ammonia nitrogen (mg/l as N)	0.26	0.36 j4	12	0.31	0.23	2.3	1.5	0.81	0.87	0.68	0.58	0.31	NS
nitrate (mg/l as N)	0.39	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.29	0.33	0.18 u	0.18 u	0.18 u	0.18 u	10*
Metals Detected (mg/l)													**MCL Standard**
antimony	0.00098	0.00019 i	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00023 i	0.00018 i	0.00018 i	0.00018 i	0.00071	0.00070 i	0.006*
arsenic	0.00014 i	0.00014 i	0.00016 i	0.00012 i	0.00036 i	0.0013	0.00030 i	**0.015**	**0.015**	0.0035	0.0026	0.0055	0.01*
barium	0.0055	0.0057	0.032	0.042	0.044	0.0017	0.011	0.023	0.0012	0.0016	0.0033	0.0036	2*
cadmium	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.00013 i	0.005*
chromium	0.00020 i	0.00016 i	0.00041 i	0.00019 i	0.004	0.0013 i	0.0010 i	0.0017 i	0.0019 i	0.00078 i	0.00057 i	0.00075 i	0.1*
cobalt	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00050 i	0.00019 u	0.00019 u	0.001	0.00027 i	0.0012	0.0041	140***
copper	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00037 i	0.00035 u	0.00099	0.0011	1**
iron	0.021 u	0.00025 i	**0.56**	0.26	**0.46**	**3.5**	**0.48**	**2.5**	**1.8**	**2.8**	**1.5**	**3.5**	0.3**
lead	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00041 i	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.015*
nickel	0.00098 u	0.00098 u	0.0013 i	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.0012 i	0.00098 u	0.0023	0.0066	0.1*
selenium	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00059 i	0.00058 u	0.0012 i	0.0013 i	0.0011 i	0.00058 u	0.00059 i	0.00058 u	0.05*
sodium	14	17	100	31	2.9	21	18	36	11	8.2	6.9	2.4	160*
thallium	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000092 i	0.000057 u	0.00046	0.00024	0.000057 u	0.00015 i	0.00039	0.002 *
vanadium	0.00071 u	0.00071 u	0.00071 u	0.00071 u	0.0025	0.0013 i	0.0046	0.011	0.0029	0.0016 i	0.007	0.0057	0.049***
zinc	0.0097 i	0.0097 i	0.0074 u	0.0074 u	0.010 i	0.067	0.009 i	0.0078 i	0.011	0.0096 i	0.0091 i	0.023	5**
Organic Parameters Detected (ug/l)													**MCL Standard**
acetone	1.0 u	2.4	3.0	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	6300***

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

MCL=Maximum Contaminant Level

***= Primary Drinking Water Standards as per Cahpter 62-550.310, F.A.C.**

****=Secondary Drinking Water Standards as per Chapter 62-550.320, F.A.C.**

*****=Groundwater Cleanup Target Levels as per Chapter 62-777, FAC**

1000 - Exceeds Standards

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 results

ug/l=micrograms per liter

mg/l=milligrams per liter

Southeast County Landfill
Laboratory Analytical Data
Groundwater Monitoring Wells (Sections 7-9)
August 20-27, 2018

General Parameters	Surficial Aquifer Wells								MCL Standard
	TH-36A	TH-61	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	
well type	Background	Detection	Detection	Detection	Detection	Detection	Detection	Detection	
conductivity (umhos/cm) (field)	185.2	155.4	180.4	173.7	205.8	532	637	1267	NS
dissolved oxygen (mg/l) (field)	0.26	0.29	0.66	0.38	1.57	0.11	0.13	0.06	NS
ORP (mV)	72.5	-16.8	68.1	78.3	-82.5	-28.1	-95.4	-75.6	NS
temperature (°C) (field)	25.40	25.80	27.1	27.3	28.4	26	25.80	25.1	NS
turbidity (NTU) (field)	2.99	1.24	2.5	67.5	36.2	6.23	74.3	37.7	NS
pH (SU) (field)	**5.64**	**5.63**	**5.84**	**5.25**	**5.49**	**6.14**	**6.37**	**6.16**	(6.5 - 8.5)**
total dissolved solids (mg/l)	120	150	140	120	190	320	310	**810**	500**
chloride (mg/l)	6.9	5.0 i	4.0 i	7.1	11	33	36	180	250**
ammonia nitrogen (mg/l as N)	0.44	0.13	0.025 u	0.025 u	0.37 u	0.37	1.5	1.7	NS
nitrate (mg/l as N)	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.3	10*
Metals Detected (mg/l)									**MCL Standard**
antimony	0.00038 i	0.00020 i	0.0028	0.0019	0.00069 i	0.00011 u	0.00011 u	0.0015	0.006*
arsenic	0.00054 i	0.001	0.00069 i	0.00086 i	0.002	0.00050 i	0.006	0.0069	0.01*
barium	0.0075	0.0062	0.0047	0.12	0.014	0.0046	0.015	0.023	2*
cadmium	0.000064 u	0.000064 u	0.00045 i	0.0012	0.00023 i	0.000064 u	0.000064 u	0.000064 u	0.005*
chromium	0.00079 i	0.00096 i	0.00090 i	0.0062	0.0054	0.00070 i	0.00099 i	0.0013 i	0.1*
cobalt	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00032 i	140***
copper	0.00035 i	0.00059 i	0.0023	0.0035	0.005	0.00047 i	0.00035 u	0.00035 u	1**
iron	0.17	**0.31**	0.036 i	**0.34**	**0.49**	**4.8**	**48**	**60**	0.3**
lead	0.00024 u	0.00024 u	0.00024 u	0.005	0.0011	0.00027 i	0.00049 i	0.00024 u	0.015*
nickel	0.00098 u	0.00098 u	0.00098 i	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.0015 i	0.1*
selenium	0.00058 u	0.00058 u	0.0013 i	0.0033 i	0.0027 i	0.00058 u	0.00058 u	0.00059 i	0.05*
sodium	4.6	3.2	3.1	5.9	7.1	14	9.6	43	160*
thallium	0.000062 i	0.000057 u	0.00011 i	0.000082 i	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.002*
vanadium	0.0024	0.0020 i	**0.074**	0.038	0.0042	0.00081 i	0.0052	0.023	0.049***
zinc	0.011	0.0090 i	0.012	0.0074 u	0.0096 i	0.0087 i	0.0093 i	0.0094 i	5**
Organic Parameters Detected (ug/l)									**MCL Standard**
acetone	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	1.0 u	2.1	1.0 u	6300***

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012
NS=No Standard
MCL=Maximum Contaminant Level
***= Primary Drinking Water Standards as per Cahpter 62-550.310, F.A.C.**
****=Secondary Drinking Water Standards as per Chapter 62-550.320, F.A.C.**
*****=Groundwater Cleanup Target Levels as per Chapter 62-777, FAC**
5.64 - Exceeds Standards
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.
ug/l=micrograms per liter
mg/l=milligrams per liter

Southeast County Landfill
Laboratory Analytical Data
Surface Water Samples
August 20-27, 2018

General Parameters	Mine Cut	Stream-3A	SW-3B2B	Stream-3C2	MCL Standard
conductivity (umhos/cm) (field)	437.8	281.4	239.3	341.7	1275
dissolved oxygen (mg/l) (field)	**0.37**	**0.33**	**3.17**	**3.94**	≥ 5.0
ORP (mV)	77.1	-99.0	104.6	94.1	NS
temperature (°C) in field	27.90	25.60	24.50	26.40	NS
turbidity (field) (NTU)	3.69	3.98	3.41	2.72	29
pH (field)	**5.91**	6.09	**5.95**	6.58	(6.0 - 8.5)
total dissolved solids (mg/l)	300	170	220	240	NS
total suspended solids (mg/l)	5.6	4	12	5.4	NS
total nitrogen (mg/l)	0.18 u	0.55	0.28 i	0.18 u	NS
total phosphorous (mg/l)	0.68 u	1	0.36	0.38	NS
biochem. oxygen demand (mg/l)	2.0 u	2.0 u	2.0 u	2.0 u	NS
chemical oxygen demand (mg/l)	77	38 i	45 i	34 i	NS
total organic carbon (mg/l as C)	20	10	12 j4	15	NS
chlorophyll-A (mg/m3)	43 [1]	5.3 [2]	1.3 l,1	5.3 [1]	NS
total hardness (mg/l as CaCO)	130	100	96	80	NS
unionized ammonia (mg/l)	0.000017 u	0.000064 i	0.000015 u	0.000072 u	≤ 0.02
fecal coliform (Col/100ml)	50 b	10 u	70 b	10 u	800
Metals Detected (mg/l)					**MCL Standard**
antimony	0.00045 i	0.00029 i	0.00013 i	0.00093	≤ 4.3
arsenic	0.00090 i	0.00027 i	0.00056 i	0.0012	≤ 0.05
barium	0.0055	0.018	0.0085	0.0062	2
cadmium	0.000064 u	0.000064 u	0.000064 u	0.00022 i	≤ 8.8
chromium	0.00063 i	0.0010 i	0.0011 i	0.0011 i	11
cobalt	0.00029 i	0.00019 u	0.00020 i	0.00038 i	NS
copper	0.00058 i	0.00037 i	0.00053 i	0.00096	**
iron	0.76	0.42	0.73	0.52	1
lead	0.00024 u	0.00024 u	0.00024 u	0.00037 i	***
mercury	0.000050 u	0.000050 u	0.000080 i	0.000050 u	0.002
silver	0.000068 u	0.000068 u	0.000068 u	0.00019 i	≤ 0.07
thallium	0.000060 i	0.000057 u	0.000057 u	0.00029	< 6.3
vanadium	0.002	0.0013 i	0.0016 i	0.0029	NS
zinc	0.0087 i	0.0091 i	0.013	0.0090 i	*
Organic Parameters Detected (ug/l)					**MCL Standard**
acetone	340	110	29	28	1700

NOTE: Referenced, Surface Water Quality Standards Chapter 62-302 and Freshwater Surface Water Cleanup Criteria in Chapter 62-550, Table I, F.A.C.
NS = No Standard
MCL = Maximum Contaminant Level
0.37 - Exceeds Standards
*** = Zn ≤ e(0.8473[lnH]+0.7614), note H = Hardness for 3A standard is 105.99**
**** = Cu ≤ e(0.8545[lnH] - 1.702)**
***** = Pb ≤ e(1.273 [lnH]-4.705)**
****** = Direct exposure value based on acute toxicity considerations.**
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.
B = results based upon colony counts outside the acceptable range.
µg/l = micrograms per liter
mg/l = milligrams per liter

Southeast County Landfill
Laboratory Analytical Data
Private Supply Wells
August 24-27, 2018

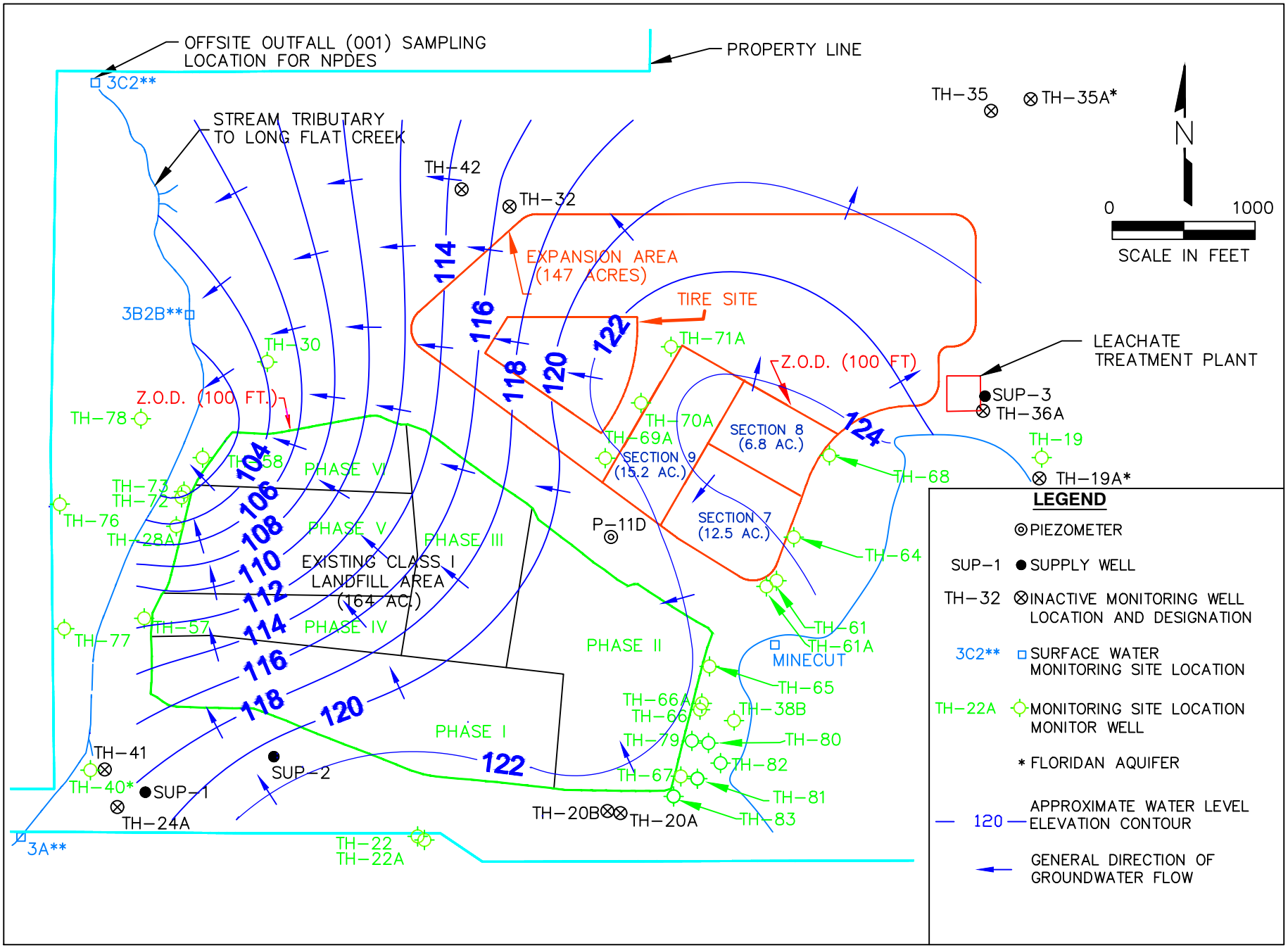
General Parameters	Holland	Keene, Jr.	Barnes	MCL Standard
conductivity (umhos/cm) (field)	432.3	362.9	396.6	NS
dissolved oxygen (mg/l) (field)	0.03	0.06	0.49	NS
ORP (mV)	-162.1	-73	10.9	NS
temperature (°C) (field)	24.30	24.90	23.7	NS
turbidity (NTU) (field)	0.37	1.4	0.39	NS
pH (SU) (field)	7.12	7.47	7.36	(6.5 - 8.5)**
total dissolved solids (mg/l)	270	220	210	500**
chloride (mg/l)	19	13	7.6	250**
ammonia nitrogen (mg/l as N)	0.025 u	0.17	0.09 i	NS
Metals Detected (mg/l)				**MCL Standard**
antimony	0.00011 u	0.00011 u	0.00014 i	0.006*
arsenic	0.00026 i	0.00045 i	0.00036 i	0.01*
barium	0.0048	0.004	0.0049	2*
cadmium	0.000064 u	0.000064 u	0.000092 i	0.005*
chromium	0.00015 i	0.00015 i	0.00017 i	0.1*
copper	0.0034	0.00035 u	0.00091	1**
iron	1.4	0.022 i	0.021 u	0.3**
lead	0.00049 i	0.00024 u	0.0013	0.015*
mercury	0.000050 u	0.000050 u	0.000050 u	0.002*
nickel	0.0068	0.00098 u	0.00098 u	0.1*
sodium	5.6	6.6	16	160*
thallium	0.000057 u	0.000057 u	0.000067 i	0.002*
zinc	0.092	0.039 v	0.075	5**

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012
NS=No Standard
MCL=Maximum Contaminant Level
ND= No Data - property locked, unable to sample supply well.
***= Primary Drinking Water Standards as per Chapter 62-550.310, F.A.C.**
****=Secondary Drinking Water Standards as per Chapter 62-550.320, F.A.C.**
*****=Groundwater Cleanup Target Levels as per Chapter 62-777, FAC**
1.4 - excceds Standards
NTU=Nephelometric Turbidity Units
mV = millivolts
i = reported value is between laboratory method detection limit and laboratory practical quantitation limit.
u = parameter was analyzed but not detected.
pCi/l=Picocuries per liter
ug/l=micrograms per liter
mg/l=milligrams per liter

Southeast County Landfill
Groundwater and Surface Water Elevations
August 20, 2018

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	15.70	122.32	13:12
TH-19*	130.27	86.55	43.72	12:14
TH-20A	131.86	8.36	123.50	13:43
TH-20B	132.57	9.26	123.31	13:43
TH-22	128.82	3.98	124.84	13:55
TH-22A	129.27	4.62	124.65	13:56
TH-24A	128.23	3.42	124.81	13:47
TH-28A	131.10	27.50	103.60	9:46
TH-30	128.88	23.46	105.42	9:55
TH-32	129.90	14.31	115.59	11:59
TH-35	145.98	27.08	118.90	12:09
TH-36A	152.70	31.76	120.94	12:17
TH-38A	130.68	8.80	121.88	13:41
TH-38B	131.81	9.47	122.34	13:40
TH-40*	124.99	81.02	43.97	9:39
TH-41*	125.00	86.43	38.57	9:38
TH-42*	116.74	60.38	56.36	11:55
TH-57	128.36	18.17	110.19	9:43
TH-58	127.88	27.54	100.34	9:52
TH-61	138.73	15.58	123.15	13
TH-61A	139.45	13.63	125.82	13:02
TH-64	139.64	15.23	124.41	12:37
TH-65	135.40	12.97	122.43	13:16
TH-66	130.58	7.20	123.38	13:23
TH-66A	130.66	7.22	123.44	13:24
TH-67	129.51	3.39	126.12	13:30
TH-68	140.01	11.60	128.41	12:35
TH-69A	144.97	23.89	121.08	13:05
TH-70A	146.63	22.41	124.22	13:09
TH-71A	146.95	23.19	123.76	12:30
TH-72*	130.96	83.42	47.54	9:49
TH-73	131.07	30.06	101.01	9:50
TH-76*	111.21	63.72	47.49	10:49
TH-77*	119.88	72.21	47.67	10:52
TH-78*	120.75	67.85	52.90	10:43
TH-79	129.60	6.74	122.86	13:27
TH-80	129.52	7.33	122.19	13:28
TH-81	130.26	6.45	123.81	13.36
TH-82	131.24	9.42	121.82	13:38
TH-83	130.23	7.43	122.80	13:33
SW-3A	3.0'=125.53'	0.98	123.51	14:01
SW-3B2B	3.0'=97.97'	ND	ND	ND
SW-3C2	6.0'=92.33'	1.94	88.27	11:15
Mine Cut #1	4.0'=122.14'	3.70	121.84	12:48

NGVD = National Geodetic Vertical Datum
T.O.C. = Top of Casing
B.T.O.C. = Below Top of Casing
*** = Floridan Well**
ND = No Data
W.L. = Water Level



Southeast County Landfill

Surficial Aquifer Groundwater Elevation Contour Diagram – August 20, 2018

HILLSBOROUGH COUNTY
SOUTHEAST COUNTY LANDFILL TURBIDITY MONITORING

Date	Basin No.	Time	Turbidity (NTU)	Notes
01/15/2003	3A	7:45 a.m.	0.65	No Rainfall Recorded
	3B2B	7:56 a.m.	2.8	
	3C2	8:00 a.m.	4.9	
01/29/2003	3A	9:33 a.m.	0.32	No Rainfall Recorded
	3B2B	9:15 a.m.	2.34	
	3C2	9:05 a.m.	4.79	
02/12/2003	3A	10:50 a.m.	0.08	No Rainfall Recorded
	3B2B	10:30 a.m.	3.32	
	3C2	10:25 a.m.	1.42	
02/23/2003	3A	8:55 a.m.	0.93	0.62" rain on 2/22/03
	3B2B	9:05 a.m.	2.34	
	3C2	9:10 a.m.	6	
03/22/2003	3A	7:40 a.m.	2.15	1.65" rain on 3/21/03
	3B2B	7:55 a.m.	7.7	
	3C2	7:50 a.m.	11.7	
03/24/2003	3A	7:50 a.m.	0.95	0.95" rain on 3/23/03
	3B2B	8:05 a.m.	6.2	
	3C2	8:10 a.m.	8.1	
04/11/2003	3A	7:45 a.m.	0.8	No Rainfall Recorded
	3B2B	7:55 a.m.	2.3	
	3C2	8:00 a.m.	3.1	
05/19/2003	3A	1:30 p.m.	1.1	0.55" rain on 5/18/03
	3B2B	1:55 p.m.	1.4	
	3C2	2:30 p.m.	1.5	
06/08/2003	3A	9:35 a.m.	0.75	0.68" rain on 6/8/03
	3B2B	9:50 a.m.	2.2	
	3C2	9:55 a.m.	7	
06/19/2003	3A	7:20 a.m.	2.6	No Rainfall Recorded
	3B2B	7:35 a.m.	9.9	
	3C2	7:40 a.m.	35	
06/20/2003	3A	7:20 a.m.	0.95	No Rainfall Recorded
	3B2B	7:35 a.m.	5.7	
	3C2	7:40 a.m.	12	
06/21/2003	3A	7:50 a.m.	2.4	No Rainfall Recorded
	3B2B	8:05 a.m.	9.1	
	3C2	8:10 a.m.	32	
06/22/2003	3A	8:20 a.m.	3.16	No Rainfall Recorded
	3B2B	8:35 a.m.	9.92	
	3C2	8:40 a.m.	64.7	
06/23/2003	3A	7:15 a.m.	1.64	11.3" from 6/18/03 thru 6/23/03
	3B2B	7:35 a.m.	8.43	
	3C2	7:45 a.m.	18.8	
06/28/2003	3A	8:55 a.m.	1.8	1.22" rain on 6/28/03
	3B2B	9:10 a.m.	3.4	
	3C2	9:20 a.m.	5	
07/14/2003	3A	7:45 a.m.	1.1	1.25" rain on 7/14/03
	3B2B	8:00 a.m.	2.6	
	3C2	8:05 a.m.	3.7	
07/28/2003	3A	10:30 a.m.	1.3	No Rainfall Recorded
	3B2B	10:50 a.m.	3.2	
	3C2	10:55 a.m.	3.4	
08/07/2003	3A	7:10 a.m.	1.1	1.45" rain on 8/7/03
	3B2B	7:25 a.m.	5.4	
	3C2	7:30 a.m.	6.1	
08/09/2003	3A	9:05 a.m.	1.4	1.65" rain on 8/9/03
	3B2B	9:20 a.m.	13	
	3C2	9:25 a.m.	8.4	
08/19/2003	3A	7:50 a.m.	1.1	.75" rain on 8/19/03
	3B2B	8:05 a.m.	3.5	
	3C2	8:10 a.m.	3.7	
08/20/2003	3A	8:45 a.m.	1.4	1.10" rain on 8/20/03
	3B2B	9:05 a.m.	4.9	
	3C2	9:10 a.m.	10	
08/21/2003	3A	9:40 a.m.	1.2	0.6" rain on 8/21/03
	3B2B	9:55 a.m.	5.2	
	3C2	10:00 a.m.	9.6	
08/22/2003	3A	8:00 a.m.	1.2	0.8" rain on 8/22/03
	3B2B	8:15 a.m.	5	
	3C2	8:20 a.m.	12	

08/25/2003	3A	11:20 a.m.	4.9	1.6" rain on 8/25/03
	3B2B	11:05 a.m.	9.4	
	3C2	11:00 a.m.	16	
08/26/2003	3A	7:40 a.m.	2.3	1.3" rain on 8/26/03
	3B2B	8:15 a.m.	16	
	3C2	8:20 a.m.	17	
09/02/2003	3A	7:45 a.m.	1.3	0.98" rain on 9/2/03
	3B2B	8:00 a.m.	4.1	
	3C2	8:05 a.m.	4.2	
09/20/2003	3A	8:15 a.m.	1.1	0.6" rain on 9/20/03
	3B2B	8:30 a.m.	3	
	3C2	8:35 a.m.	4.9	
09/21/2003	3A	8:00 a.m.	0.8	0.6" rain on 9/21/03
	3B2B	8:15 a.m.	2.5	
	3C2	8:20 a.m.	5.1	
09/22/2003	3A	8:00 a.m.	0.8	0.8" rain on 9/21/03
	3B2B	8:15 a.m.	2.5	
	3C2	8:20 a.m.	5.1	
09/29/2003	3A	7:35 a.m.	0.8	0.65" rain on 9/29/03
	3B2B	7:50 a.m.	1.9	
	3C2	8:00 a.m.	2.9	
09/30/2003	3A	7:35 a.m.	0.8	0.65" rain on 2/29/03
	3B2B	7:50 a.m.	1.9	
	3C2	8:00 a.m.	2.9	
10/30/2003	3A	8:25 a.m.	1	0.6" rain on 10/28/03
	3B2B	8:40 a.m.	1.5	
	3C2	8:50 a.m.	2	
11/19/2003	3A	7:40 a.m.	1.1	No Rainfall Recorded
	3B2B	8:00 a.m.	1.7	
	3C2	8:05 a.m.	3.3	
12/14/2003	3A	7:45 a.m.	1.6	2.07" rain on 12/14/03
	3B2B	8:00 a.m.	3.4	
	3C2	8:10 a.m.	4.4	
01/18/2004	3A	8:40 a.m.	1.6	1.2" rain on 1/18/04
	3B2B	8:55 a.m.	1.9	
	3C2	9:00 a.m.	2.5	
01/27/2004	3A	10:45 a.m.	4.1	1.60" rain on 1/27/04
	3B2B	11:00 a.m.	5.5	
	3C2	11:05 a.m.	15	
02/01/2004	3A	11:00 a.m.	1.1	0.98" rain on 1/31/04
	3B2B	10:45 a.m.	3	
	3C2	10:35 a.m.	4.4	
02/14/2004	3A	8:00 a.m.	1.6	0.7" rain on 2/14/04
	3B2B	8:15 a.m.	1.1	
	3C2	8:20 a.m.	2.8	
02/25/2004	3A	7:55 a.m.	4	2.23" rain on 2/24/04
	3B2B	8:10 a.m.	21	
	3C2	8:15 a.m.	24	
03/17/2004	3A	12:50 p.m.	7.1	2.6" rain on 3/15/04 and 3/16/04
	3B2B	1:00 p.m.	19	
	3C2	1:10 p.m.	20	
04/14/2004	3A	12:25 p.m.	2.6	2.2" rain between 4/11/04 and 4/13/04
	3B2B	12:35 p.m.	4.1	
	3C2	12:45 p.m.	5.4	
05/04/2004	3A	7:50 a.m.	0.75	1.72" rain on 5/3/04
	3B2B	8:00 a.m.	0.95	
	3C2	8:10 a.m.	2.9	
06/14/2004	3A	8:00 a.m.	0.65	0.98" rain on 6/10/04
	3B2B	8:10 a.m.	1.5	
	3C2	8:15 a.m.	1.6	
07/05/2004	3A	7:35 a.m.	2.4	1.45" rain on 7/5/04
	3B2B	7:45 a.m.	11	
	3C2	7:55 a.m.	**39**	
07/06/2004	3A	8:25 a.m.	1.8	Follow-up to 7/5/04 exceedance
	3B2B	8:35 a.m.	4.7	
	3C2	8:40 a.m.	8.8	
07/19/2004	3A	7:45 a.m.	4.2	1.35" rain on 7/18/04 and 7/19/04
	3B2B	8:00 a.m.	6.3	
	3C2	8:15 a.m.	6.5	
07/20/2004	3A	7:50 a.m.	4.6	1.20" rain on 7/19/04 and 7/20/04
	3B2B	8:00 a.m.	6	
	3C2	8:05 a.m.	7.7	

07/20/2004	3A	1:50 p.m.	6.2	7/19/04 and 7/20/04 (Follow-up)
	3B2B	2:00 p.m.	8.5	
	3C2	2:40 p.m.	20	
07/21/2004	3A	8:20 a.m.	5.2	1.75" rain on 7/20/04 and 7/21/04
	3B2B	8:30 a.m.	5.6	
	3C2	8:40 a.m.	9	
07/29/2004	3A	7:30 a.m.	5.2	0.58" rain on 7/27/04
	3B2B	7:35 a.m.	6.3	
	3C2	7:40 a.m.	6.4	
08/05/2004	3A	7:15 a.m.	4.9	0.58" rain on 8/4/04
	3B2B	7:25 a.m.	5.7	
	3C2	7:30 a.m.	6.9	
08/07/2004	3A	8:20 a.m.	6.5	0.92" rain on 8/6/04
	3B2B	8:25 a.m.	6.9	
	3C2	8:30 a.m.	8.4	
08/18/2004	3A	10:45 a.m.	5.2	1.35" rain on 8/17/04 and 8/18/04
	3B2B	11:00 a.m.	6.2	
	3C2	11:05 a.m.	24	
11/26/2004	3A	8:40 a.m.	7.4	1.2" rain on 11/24/04
	3B2B	8:51 a.m.	5.8	
	3C2	9:02 a.m.	11	
01/14/2005	3A	2:40 p.m.	9.7	3.0" rain on 1/14/05
	3B2B	2:50 p.m.	13	
	3C2	2:55 p.m.	32	
02/25/2005	3A	5:00 p.m.	18	1.0" rain on 2/25/05
	3B2B	5:10 p.m.	25	
	3C2	5:18 p.m.	19	
02/28/2005	3A	7:00 a.m.	7	1.5" rain on 2/27/05
	3B2B	7:05 a.m.	7.6	
	3C2	7:10 a.m.	10	
03/17/2005	3A	8:47 a.m.	9.5	2.6" rain on 3/16/05
	3B2B	8:58 a.m.	11	
	3C2	9:05 a.m.	29	
03/18/2005	3A	7:50 a.m.	6.1	1.48" rain on 3/17/05
	3B2B	7:58 a.m.	6.3	
	3C2	8:03 a.m.	21	
04/27/2005	3A	7:40 a.m.	2.6	1.36" rain on 4/26/05
	3B2B	7:45 a.m.	2.6	
	3C2	7:50 a.m.	3.4	
05/02/2005	3A	7:40 a.m.	1.8	1.37" rain on 5/1/05
	3B2B	7:46 a.m.	2.3	
	3C2	7:53 a.m.	3.4	
05/18/2005	3A	7:40 a.m.	6.1	2.4" rain on 5/17/05
	3B2B	7:46 a.m.	5	
	3C2	7:52 a.m.	14	
06/01/2005	3A	9:10 a.m.	1.5	1.3" rain on 5/31/05
	3B2B	9:18 a.m.	2.3	
	3C2	9:24 a.m.	1.8	
06/02/2005	3A	9:50 a.m.	5	1.5" rain on 6/1/05
	3B2B	10:00 a.m.	5.7	
	3C2	10:05 a.m.	9.2	
06/29/2005	3A	8:00 a.m.	1.8	1.5" rain on 6/28/05
	3B2B	8:06 a.m.	2.3	
	3C2	8:10 a.m.	2.3	
06/30/2005	3A	8:27 a.m.	2.1	0.8" rain on 6/29/05
	3B2B	8:33 a.m.	2.8	
	3C2	8:42 a.m.	3	
07/09/2005	3A	3:58 p.m.	5.5	1.7" rain on 7/9/05
	3B2B	4:05 p.m.	7.9	
	3C2	4:11 p.m.	23.2	
08/22/2005	3A	7:35 a.m.	4.8	2.8" rain on 8/21/05
	3B2B	7:42 a.m.	7.3	
	3C2	7:50 a.m.	24.7	
08/23/2005	3A	7:40 a.m.	5	1.7" rain on 8/22/05
	3B2B	7:50 a.m.	7.2	
	3C2	7:55 a.m.	26.4	
10/24/2005	3A	1:54 p.m.	6.4	2.4" rain on 10/23/05
	3B2B	1:58 p.m.	9.5	
	3C2	2:03 p.m.	18.8	
11/02/2005	3A	8:00 a.m.	5.3	1.2" rain on 11/1/05
	3B2B	8:06 a.m.	5.5	
	3C2	8:15 a.m.	7	

02/03/2006	3A	4:40 p.m.	15.4	1.9" rain on 2/3/06
	3B2B	4:48 p.m.	12	
	3C2	4:53 p.m.	22.6	
06/12/2006	3A	11:25 a.m.	15.3	3.3" rain on 6/12/06
	3B2B	11:35 a.m.	10.5	
	3C2	11:40 a.m.	26.4	
06/13/2006	3A	10:23 a.m.	7.8	1.0" rain on 6/13/06
	3B2B	10:28 a.m.	15.7	
	3C2	10:34 a.m.	26.6	
07/03/2006	3A	7:40 a.m.	7.3	1.2" rain on 7/2/06
	3B2B	7:46 a.m.	7.1	
	3C2	7:50 a.m.	7.6	
07/04/2006	3A	10:10 a.m.	8.2	4.6" rain on 7/3/06
	3B2B	10:16 a.m.	9.5	
	3C2	10:22 a.m.	16.3	
07/06/2006	3A	4:39 p.m.	13.1	1.4" rain on 7/6/06
	3B2B	4:50 p.m.	9.6	
	3C2	5:00 p.m.	17.6	
07/07/2006	3A	3:17 p.m.	9.5	1.8" rain on 7/7/06
	3B2B	3:22 p.m.	15.2	
	3C2	3:28 p.m.	19	
08/14/2006	3A	7:25 a.m.	5.2	1.05" rain on 8/13/06
	3B2B	7:30 a.m.	5	
	3C2	7:35 a.m.	7.6	
08/16/2006	3A	7:15 a.m.	3.7	1.43" rain on 8/15/06
	3B2B	7:22 a.m.	2.1	
	3C2	7:28 a.m.	2.1	
08/18/2006	3A	7:54 a.m.	3.4	1.5" rain on 8/17/06
	3B2B	7:59 a.m.	6.5	
	3C2	8:04 a.m.	9.8	
12/26/2006	3A	9:20 a.m.	4.1	1.3" rain on 12/25/06 and 12/26/06
	3B2B	9:25 a.m.	4.2	
	3C2	9:30 a.m.	5.2	
01/25/2007	3A	8:15 a.m.	3.7	1.3" rain on 1/24/07 and 1/25/07
	3B2B	8:20 a.m.	4.8	
	3C2	8:25 a.m.	7.2	
02/02/2007	3A	11:15 a.m.	5.6	1.3" rain on 2/2/07
	3B2B	11:23 a.m.	7.6	
	3C2	11:30 a.m.	18	
04/16/2007	3A	7:22 a.m.	4.8	1" rain on 4/15/07
	3B2B	7:27 a.m.	5.2	
	3C2	7:33 a.m.	12	
06/02/2007	3A	8:21 a.m.	4.7	1.6" rain on 6/1/07
	3B2B	8:29 a.m.	3.9	
	3C2	8:35 a.m.	4.7	
07/03/2007	3A	8:00 a.m.	4.1	1.1" rain on 7/2/07
	3B2B	8:06 a.m.	4.1	
	3C2	8:11 a.m.	3.4	
07/23/2007	3A	7:10 a.m.	4.3	1.1" rain on 7/22/07
	3B2B	7:15 a.m.	6.7	
	3C2	7:20 a.m.	6.6	
08/03/2007	3A	7:17 a.m.	4.1	1.3" rain on 8/2/07
	3B2B	7:25 a.m.	4.3	
	3C2	7:30 a.m.	9.3	
08/13/2007	3A	9:06 a.m.	4.2	1.1" rain on 8/12/07
	3B2B	9:15 a.m.	3.8	
	3C2	9:22 a.m.	4.4	
01/20/2008	3A	7:55 a.m.	5.1	1.6" rain on 1/19/08
	3B2B	8:10 a.m.	7.2	
	3C2	8:18 a.m.	7.7	
01/22/2008	3A	8:00 a.m.	6.7	1.1" rain on 1/22/08
	3B2B	8:11 a.m.	7.6	
	3C2	8:20 a.m.	11	
02/24/2008	3A	7:06 a.m.	7.6	1.3" rain on 2/23/08
	3B2B	7:12 a.m.	5.6	
	3C2	7:18 a.m.	5.5	
05/23/2008	3A	No Data	16	1.6" rain on 5/23/08
	3B2B	8:54 a.m.	16	
	3C2	8:47 a.m.	17	
06/12/2008	3A	7:28 a.m.	5.8	1.3" rain on 6/11/08
	3B2B	7:40 a.m.	4.5	
	3C2	7:50 a.m.	6.2	

06/26/2008	3A	7:23 a.m.	3.8	1.3" rain on 6/25/08
	3B2B	7:35 a.m.	4.1	
	3C2	7:45 a.m.	4	
06/26/2008	3A	4:14 p.m.	5.2	1.3" rain on 6/26/08
	3B2B	4:21 p.m.	8	
	3C2	4:27 p.m.	14	
07/22/2008	3A	7:45 a.m.	3.7	1.1" rain on 7/21/08
	3B2B	7:52 a.m.	3.7	
	3C2	7:57 a.m.	5.2	
08/01/2008	3A	3:05 a.m.	7.47	2.1" rain on 8/1/08
	3B2B	3:11 a.m.	16.6	
	3C2	3:17 a.m.	19.2	
08/29/2008	3A	7:35 a.m.	5.9	1.7" rain on 8/28/08
	3B2B	7:40 a.m.	5.6	
	3C2	7:45 a.m.	5.4	
05/14/2009	3A	7:15 a.m.	No Flow	1.2" rain on 5/13/09
	3B2B	7:21 a.m.	No Flow	
	3C2	7:27 a.m.	No Flow	
05/20/2009	3A	7:20 a.m.	No Flow	1.2" rain on 5/19/09
	3B2B	7:26 a.m.	5.5	
	3C2	7:34 a.m.	5.1	
05/21/2009	3A	7:20 a.m.	4.7	1.2" rain on 5/20/09
	3B2B	7:28 a.m.	4.6	
	3C2	7:36 a.m.	27.6	
05/22/2009	3A	7:15 a.m.	5.1	1.5" rain on 5/21/09
	3B2B	7:27 a.m.	4.9	
	3C2	7:34 a.m.	5.5	
06/04/2009	3A	7:20 a.m.	5.3	2" rain on 6/3/09
	3B2B	7:32 a.m.	4.8	
	3C2	7:39 a.m.	6.1	
06/19/2009	3A	7:11 a.m.	4.5	1.1" rain on 6/18/09
	3B2B	7:31 a.m.	4.2	
	3C2	7:42 a.m.	5.2	
06/26/2009	3A	2:00 p.m.	5	1.1" rain on 6/26/09
	3B2B	2:07 p.m.	5.2	
	3C2	2:12 p.m.	10	
06/29/2009	3A	3:09 p.m.	4.4	1.4" rain on 6/29/09
	3B2B	3:23 p.m.	5.4	
	3C2	3:42 p.m.	10	
07/01/2009	3A	10:45 a.m.	8.4	2.7" rain on 7/1/09
	3B2B	10:55 a.m.	8.3	
	3C2	11:00 a.m.	22	
07/20/2009	3A	1:25 p.m	5.6	1.3" rain on 7/20/09
	3B2B	1:35 p.m.	5.8	
	3C2	1:40 p.m.	5.2	
08/20/2009	3A	7:20 a.m.	4.7	1.2" rain on 8/19/09
	3B2B	7:31 a.m.	4.8	
	3C2	7:39 a.m.	24	
08/26/2009	3A	7:15 a.m.	4.4	1.7" rain on 8/25/09
	3B2B	7:26 a.m.	7.1	
	3C2	7:33 a.m.	9	
12/03/2009	3A	7:09 a.m.	5	1.03" rain on 12/2/2009
	3B2B	7:20 a.m.	5	
	3C2	7:28 a.m.	6.8	
12/05/2009	3A	8:15 a.m.	3.9	1.4" rain on 12/4/2009
	3B2B	8:23 a.m.	4.9	
	3C2	8:34 a.m.	5.6	
01/17/2010	3A	10:53 a.m.	4	1" rain on 1/16/2010
	3B2B	10:59 a.m.	3.9	
	3C2	11:05 a.m.	3.7	
01/25/2010	3A	9:39 a.m.	4.1	1" rain on 1/25/2010
	3B2B	9:45 a.m.	5.1	
	3C2	9:55 a.m.	11	
03/12/2010	3A	1:35 p.m.	5.1	1.9" rain on 3/12/2010
	3B2B	1:46 p.m.	7	
	3C2	1:54 p.m.	9.6	
03/26/2010	3A	7:22 a.m.	5.3	1.1" rain on 3/25/2010
	3B2B	7:32 a.m.	6.5	
	3C2	7:41 a.m.	5	
03/29/2010	3A	8:30 a.m.	6.2	2.7" rain on 3/28/2010
	3B2B	8:36 a.m.	5.5	
	3C2	8:43 a.m.	10	

04/26/2010	3A	7:45 a.m.	5.9	1.7" rain on 4/25/2010
	3B2B	7:51 a.m.	6.6	
	3C2	7:57 a.m.	7	
06/04/2010	3A	8:21 a.m.	20	1.2" rain on 6/3/2010
	3B2B	8:31 a.m.	5.3	
	3C2	8:40 a.m.	10	
06/19/2010	3A	7:36 a.m.	7	1.9" rain on 6/18/2010
	3B2B	7:46 a.m.	6.4	
	3C2	7:53 a.m.	6	
06/22/2010	3A	7:49 a.m.	6.9	1" rain on 6/21/2010
	3B2B	8:00 a.m.	7.1	
	3C2	8:05 a.m.	9.6	
07/05/2010	3A	7:35 a.m.	4.6	1.9" rain on 7/4/2010
	3B2B	7:41 a.m.	7.1	
	3C2	7:46 a.m.	6.7	
07/07/2010	3A	7:15 a.m.	3.9	1.2" rain on 7/6/2010
	3B2B	7:30 a.m.	5.2	
	3C2	7:38 a.m.	5.2	
07/16/2010	3A	7:45 a.m.	3.7	1.4" rain on 7/15/2010
	3B2B	7:30 a.m.	4.4	
	3C2	7:38 a.m.	6.5	
07/24/2010	3A	7:33 a.m.	4	1.1" rain on 7/23/2010
	3B2B	7:45 a.m.	4.9	
	3C2	7:47 a.m.	5.8	
08/09/2010	3A	7:15 a.m.	5.5	2.9" rain on 8/8/2010
	3B2B	7:25 a.m.	5.3	
	3C2	7:30 a.m.	6.8	
08/17/2010	3A	7:10 a.m.	4.9	2.3" rain on 8/16/2010
	3B2B	7:22 a.m.	4.7	
	3C2	7:32 a.m.	6.9	
08/23/2010	3A	7:20 a.m.	3.9	1.6" rain on 8/22/2010
	3B2B	7:27 a.m.	4.5	
	3C2	7:32 a.m.	5.5	
03/10/2011	3A	9:12 a.m.	26	1.4" rain on 3/10/2011
	3B2B	9:15 a.m.	21	
	3C2	9:27 a.m.	37	
03/29/2011	3A	7:44 a.m.	9.6	2.3" rain on 3/28/2011
	3B2B	7:50 a.m.	6.4	
	3C2	7:55 a.m.	6.2	
06/24/2011	3A	7:55 a.m.	5.2	2.8" rain on 6/23/2011
	3B2B	8:07 a.m.	5.6	
	3C2	8:14 a.m.	5	
06/25/2011	3A	7:54 a.m.	4.7	2.7" rain on 6/24/2011
	3B2B	8:02 a.m.	4.3	
	3C2	8:10 a.m.	4.6	
07/02/2011	3A	7:59 a.m.	5.85	1.52" rain on 7/1/2011
	3B2B	8:04 a.m.	6.11	
	3C2	8:11 a.m.	7.05	
07/08/2011	3A	7:18 a.m.	5.34	4.4" rain on 7/7/2011
	3B2B	7:28 a.m.	5.62	
	3C2	7:37 a.m.	6.26	
07/11/2011	3A	8:15 a.m.	6.04	1.88" rain on 7/8/2011
	3B2B	8:21 a.m.	6.82	
	3C2	8:26 a.m.	9.03	
08/01/2011	3A	7:30 a.m.	4.52	1.43" rain on 7/31/2011
	3B2B	7:35 a.m.	7.54	
	3C2	7:40 a.m.	6.33	
8/9/2011	3A	7:35 a.m.	8.13	1.25" rain on 8/8/2011
	3B2B	7:45 a.m.	5.71	
	3C2	7:53 a.m.	7.31	
8/10/2011	3A	8:18 a.m.	5.6	1.35" rain on 8/9/2011
	3B2B	8:28 a.m.	5.3	
	3C2	7:53 a.m.	5.8	
8/24/2011	3A	7:55 a.m.	4.29	1.97" rain on 8/23/2011
	3B2B	8:04 a.m.	6.23	
	3C2	8:12 a.m.	6.5	
9/26/2011	3A	7:20 a.m.	4.3	1.17" rain on 9/25/2011
	3B2B	7:26 a.m.	4.38	
	3C2	7:31 a.m.	5.3	
04/22/2012	3A	9:25 a.m.	N/A	1.5" rain on 4/22/2012
	3B2B	9:30 a.m.	3.5	
	3C2	9:35 a.m.	4.2	

5/17/2012	3A	7:45 a.m.	N/A	1.2" rain on 5/16/2012
	3B2B	7:50 a.m.	8.1	
	3C2	7:56 a.m.	5.7	
6/1/2012	3A	2:45 p.m.	7.5	2.08" rain on 6/01/2012
	3B2B	2:55 p.m.	5.4	
	3C2	3:00 p.m.	8.7	
6/7/2012	3A	8:35 a.m.	5.9	1.8" rain on 6/7/2012
	3B2B	8:40 a.m.	11.4	
	3C2	8:45 a.m.	14.1	
6/9/2012	3A	8:20 a.m.	6.1	2.7" rain on 6/8/2012
	3B2B	8:30 a.m.	7.21	
	3C2	8:40 a.m.	6.31	
6/12/2012	3A	8:24 a.m.	3.79	1.16" rain on 6/11/2012
	3B2B	8:40 a.m.	8.9	
	3C2	8:45 a.m.	8.04	
6/25/2012	3A	8:10 a.m.	12.9	3.6" rain on 6/24/2012
	3B2B	8:18 a.m.	12.3	
	3C2	8:23 a.m.	21.3	
7/18/2012	3A	7:35 a.m.	7.4	1.0" rain on 7/17/2012
	3B2B	7:40 a.m.	9.7	
	3C2	7:45 a.m.	12.0	
7/19/2012	3A	7:20 a.m.	7.1	1.15" rain on 7/18/2012
	3B2B	7:25 a.m.	10.0	
	3C2	7:30 a.m.	9.8	
8/28/2012	3A	7:55 a.m.	2.4	4" rain on 8/27/2012
	3B2B	8:00 a.m.	2.9	
	3C2	8:05 a.m.	4.8	
10/6/2012	3A	8:05 a.m.	2.78	1.9" rain on 10/5/2012
	3B2B	8:20 a.m.	3.8	
	3C2	8:30 a.m.	5.16	
04/05/2013	3A	7:55 a.m.	6.33	1.97" rain on 4/4/2013
	3B2B	8:00 a.m.	2.35	
	3C2	8:05 a.m.	2.26	
05/02/2013	3A	7:50 a.m.	3.6	1.22" rain on 5/1/2013
	3B2B	7:56 a.m.	8	
	3C2	8:03 a.m.	3.1	
06/04/2013	3A	7:20 a.m.	3.4	1.10" rain on 6/3/2013
	3B2B	7:25 a.m.	2.3	
	3C2	7:30 a.m.	2.3	
06/06/2013	3A	2:05 p.m.	7.9	3.32" rain on 6/4/2013
	3B2B	2:10 p.m.	5.5	
	3C2	2:15 p.m.	15	
06/10/2013	3A	10:35 a.m.	3.3	2.5" rain on 6/8/2013
	3B2B	10:40 a.m.	2	
	3C2	10:45 a.m.	1.9	
06/11/2013	3A	7:10 a.m.	3.1	1.1" rain on 6/10/2013
	3B2B	7:15 a.m.	2.1	
	3C2	7:20 a.m.	2.8	
07/01/2013	3A	7:25 a.m.	2.9	1" rain on 6/29/2013
	3B2B	7:30 a.m.	3	
	3C2	7:40 a.m.	3	
08/24/2013	3A	8:00 a.m.	6	2.75" rain on 8/23/2013
	3B2B	8:10 a.m.	4.7	
	3C2	8:16 a.m.	5.8	
09/24/2013	3A	7:45 a.m.	4.3	1.12" rain on 9/23/2013
	3B2B	7:50 a.m.	4.3	
	3C2	7:55 a.m.	4.7	
09/25/2013	3A	1:15 p.m.	6.13	1.58" rain on 9/25/2013
	3B2B	1:20 p.m.	9.3	
	3C2	1:25 p.m.	17.5	
12/16/2013	3A	7:30 a.m.	4.45	1.28" rain on 12/15/2013
	3B2B	7:35 a.m.	4	
	3C2	7:40 a.m.	4.2	
05/02/2014	3A	5:08 p.m.	11.9	2.3" rain on 5/2/2014
	3B2B	5:17 p.m.	9.75	
	3C2	5:21 p.m.	15.7	
05/03/2014	3A	11:06 a.m.	11.4	1.9" rain on 5/3/2014
	3B2B	11:20 a.m.	7.48	
	3C2	11:29 a.m.	9.59	
05/27/2014	3A	9:05 a.m.	9.46	1.2" rain on 5/26/2014
	3B2B	9:15 a.m.	10.65	
	3C2	9:25 a.m.	6.5	

05/30/2014	3A	7:49 a.m.	6.69	1" rain on 5/29/2014
	3B2B	7:54 a.m.	7.94	
	3C2	8:02 a.m.	6.79	
05/31/2014	3A	8:08 a.m.	7.79	1.9" rain on 5/30/2014
	3B2B	8:16 a.m.	9.43	
	3C2	8:25 a.m.	9.07	
06/11/2014	3A	8:55 a.m.	7.27	1.2" rain on 6/10/2014
	3B2B	9:01 a.m.	11.2	
	3C2	9:07 a.m.	6.6	
06/16/2014	3A	10:15 a.m.	6.32	1.03" rain on 6/14/2014
	3B2B	10:25 a.m.	6.83	
	3C2	10:35 a.m.	7.46	
07/11/2014	3A	8:37 a.m.	6.59	1.8" rain on 7/10/2014
	3B2B	8:42 a.m.	8.56	
	3C2	8:55 a.m.	7.72	
07/16/2014	3A	7:35 a.m.	6.9	1.01" rain on 7/15/2014
	3B2B	7:48 a.m.	7.12	
	3C2	7:55 a.m.	8.5	
09/06/2014	3A	8:00 a.m.	5.32	1.35" rain on 9/5/2014
	3B2B	8:11 a.m.	6.44	
	3C2	8:23 a.m.	6.24	
09/09/2014	3A	8:30 a.m.	6.43	1.13" rain on 9/8/2014
	3B2B	8:40 a.m.	7.31	
	3C2	8:50 a.m.	7.67	
09/18/2014	3A	9:45 a.m.	7.74	1.48" rain on 9/17/2014
	3B2B	9:55 a.m.	7.16	
	3C2	10:05 a.m.	7.31	
09/20/2014	3A	8:24 a.m.	7.78	1.85" rain on 9/19/2014
	3B2B	8:34 a.m.	7.91	
	3C2	8:39 a.m.	12.6	
09/29/2014	3A	8:40 a.m.	7.22	1.31" rain on 9/27/2014
	3B2B	8:50 a.m.	7.16	
	3C2	9:00 a.m.	10.33	
11/18/2014	3A	8:15 a.m.	9.38	1.84" rain on 11/17/2014
	3B2B	8:25 a.m.	6.92	
	3C2	8:35 a.m.	7.4	
11/25/2014	3A	9:45 a.m.	14.9	1.8" rain on 11/25/2014
	3B2B	9:55 a.m.	13.4	
	3C2	10:05 a.m.	19.5	
02/10/2015	3A	7:55 a.m.	8.55	1.48" rain on 2/9/2015
	3B2B	8:05 a.m.	7.85	
	3C2	8:15 a.m.	8.81	
06/03/2015	3A	8:03 a.m.	9.11	1.41" rain on 6/2/2015
	3B2B	8:23 a.m.	13.1	
	3C2	8:28 a.m.	7.57	
06/11/2015	3A	7:15 a.m.	7.81	1.57" rain on 6/10/2015
	3B2B	7:24 a.m.	7.02	
	3C2	7:29 a.m.	7.52	
06/25/2015	3A	7:48 a.m.	15.6	2.2" rain on 6/24/2015
	3B2B	7:59 a.m.	16.8	
	3C2	8:13 a.m.	11.4	
07/06/2015	3A	1:40 p.m.	8.06	1.4" rain on 7/5/2015
	3B2B	1:45 p.m.	7.13	
	3C2	1:50 p.m.	7.7	
07/25/2015	3A	7:52 a.m.	9.69	1.3" rain on 7/24/2015
	3B2B	8:02 a.m.	8.68	
	3C2	8:14 a.m.	8.11	
07/27/2015	3A	8:55 a.m.	12.3	1.11" rain on 7/26/2015
	3B2B	9:05 a.m.	9	
	3C2	9:25 a.m.	9.73	
07/30/2015	3A	4:15 p.m.	104.6	2.96" rain on 7/30/2015
	3B2B	4:40 p.m.	20.9	
	3C2	4:50 p.m.	23.9	
07/31/2015	3A	9:06 a.m.	21.5	4.8" rain on 7/30/2015
	3B2B	9:12 a.m.	19.7	
	3C2	9:17 a.m.	23.8	
08/19/2015	3A	8:41 a.m.	20.3	1.93" rain on 8/18/2015
	3B2B	8:57 a.m.	15.3	
	3C2	9:01 a.m.	14.4	
08/27/2015	3A	8:23 a.m.	15.8	1.2" rain on 8/26/2015
	3B2B	8:34 a.m.	10.55	
	3C2	8:43 a.m.	10.39	

01/11/2016	3A	8:10 a.m.	10.22	2" rain on 1/9/2016
	3B2B	8:20 a.m.	No Data	Monitoring location was dry
	3C2	8:30 a.m.	7.44	
01/30/2016	3A	12:21 p.m.	9.18	1.17" rain on 1/28/2016
	3B2B	12:28 p.m.	No Data	Monitoring location was dry
	3C2	12:33 p.m.	3.39	
05/05/2016	3A	9:50 a.m.	2.98	2.6" rain on 5/4/2016
	3B2B	10:00 a.m.	12.5	
	3C2	10:10 a.m.	2.64	
06/06/2016	3A	7:50 a.m.	8.17	1.75" rain on 6/5/2016
	3B2B	8:00 a.m.	3.11	
	3C2	8:10 a.m.	7.11	
06/07/2016	3A	1:20 p.m.	14.8	1.25" rain on 6/6/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	1:30 p.m.	15.3	
06/08/2016	3A	8:46 a.m.	4.96	1.57" rain on 6/7/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	8:59 a.m.	5.26	
06/10/2016	3A	8:09 a.m.	3.73	2.08" rain on 6/9/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	8:27 a.m.	4.09	
06/20/2016	3A	8:35 a.m.	3.10	1.06" rain on 6/18/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	8:45 a.m.	3.14	
07/14/2016	3A	7:16 a.m.	4.83	1.02" rain on 7/13/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:27 a.m.	7.11	
07/25/2016	3A	8:05 a.m.	2.77	1.02" rain on 7/24/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	8:15 a.m.	0.23	
08/10/2016	3A	9:25 a.m.	15	1.12" rain on 8/8/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:35 a.m.	3.86	
09/03/2016	3A	4:52 p.m.	5.02	1.5" rain on 9/2/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	4:59 p.m.	3.02	
10/03/2016	3A	10:40 a.m.	2.4	2.25" rain on 10/1/2016 - 10/2/2016
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	10:50 a.m.	1.7	
04/06/2017	3A	10:00 a.m.	24.7	2.96" rain on 4/6/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	10:13 a.m.	6.71	
06/07/2017	3A	7:49 a.m.	11.9	1.63" rain on 6/6/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:58 a.m.	6.7	
06/08/2017	3A	7:45 a.m.	22.5	1.62" rain on 6/7/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:54 a.m.	4.34	
06/12/2017	3A	9:20 a.m.	1.8	1.58" rain on 6/11/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:35 a.m.	4.89	
06/19/2017	3A	9:10 a.m.	2.67	2.06" rain on 6/18/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:20 a.m.	3.62	
07/01/2017	3A	12:28 p.m.	4.6	2.22" rain on 6/30/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	12:19 p.m.	4.9	
07/12/2017	3A	9:25 a.m.	2.13	1.32" rain on 7/11/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:35 a.m.	5.11	
07/13/2017	3A	8:17 a.m.	1.88	1.22" rain on 7/12/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	8:31 a.m.	4.44	
07/15/2017	3A	9:15 a.m.	2.25	1.87" rain on 7/14/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:24 a.m.	3.51	
07/31/2017	3A	4:10 p.m.	3.59	3.18" rain on 7/31/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	4:18 p.m.	19.8	
08/28/2017	3A	10:10 a.m.	2.29	5.75" rain on 8/26/2017-8/27/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location

	3C2	10:20 a.m.	8.25	
08/29/2017	3A	9:15 a.m.	1.86	2.27" rain on 8/28/2017
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:25 a.m.	15.6	
03/21/2018	3A	8:50 AM	3.84	1.06" rain on 3/20/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:00 AM	2.25	
04/11/2018	3A	9:45 AM	14	1.1" rain on 4/10/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:55 AM	1.9	
05/15/2018	3A	8:56 AM	11.2	3.63" rain on 5/14/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	9:03 AM	13.9	
05/16/2018	3A	10:10 AM	4.85	1.28" rain on 5/15/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	10:20 AM	3.89	
05/31/2018	3A	7:06 AM	4.18	1.08" rain on 5/30/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:15 AM	4.06	
06/21/2018	3A	7:12 AM	17.7	2.05" rain on 6/20/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:22 AM	12.2	
06/27/2018	3A	7:50 AM	3.86	1.21" rain on 6/26/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:58 AM	6.71	
07/03/2018	3A	7:16 AM	11.4	2.02" rain on 7/02/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:21 AM	12.7	
07/20/2018	3A	1:18 PM	52	1.0" rain on 7/19/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	1:27 PM	4.78	
08/03/2018	3A	9:59 AM	30.2	1.0" rain on 8/02/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	10:08 AM	7.16	
08/30/2018	3A	7:41 AM	5.71	1.25" rain on 8/29/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:53 AM	6.43	
09/27/2018	3A	7:20 AM	7.28	1.07" rain on 6/26/2018
	3B2B	No Data	No Data	SWMG no longer monitoring this location
	3C2	7:32 AM	7.74	

Hillsborough County Florida

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PO Box 1110 Tampa, FL 33601-1110

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INTERNAL AUDITOR
Peggy Caskey

CHIEF DEVELOPMENT & INFRASTRUCTURE SERVICES ADMINISTRATOR

October 19, 2018

Mr. Tom Holland
121 Carter Road
Lithia, FL 33547

Subject: **Laboratory Analytical Data Report**
Domestic Supply Well

Dear Mr. Holland,

The Hillsborough County Public Utilities Department (County) is pleased to provide the laboratory analytical data for your domestic supply well. County personnel conducted the sampling event on August 24, 2018. Results of the analytical data from the well sample exhibited total iron above the respective Florida Secondary Drinking Water Standards (SDWS) of 300 micrograms per liter (ug/l), at a concentration of 1,400 ug/l. All other parameters tested in your supply well were within the applicable standards. The County intends to sample your well in the next scheduled sampling event in February 2019.

A copy of the reported analytical data from our contracted laboratory, Advanced Environmental Laboratories Inc., is attached for your records. If you have any questions on the laboratory results or the sampling program for the Southeast County Landfill site please call me at (813) 663-3222. Thank you for allowing the County to sample and analyze the water quality from your well.

Sincerely,

10/19/2018

Michael D. Townsel
Senior Hydrologist
Public Utilities Department
Environmental Services

Hillsborough County Florida

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PO Box 1110 Tampa, FL 33601-1110

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Peggy Caskey

CHIEF DEVELOPMENT & INFRASTRUCTURE SERVICES ADMINISTRATOR

October 19, 2018

Mr. Leon Keene, Jr.
16617 County Road 672
Lithia, FL 33547

Subject: **Laboratory Analytical Data Report**
Domestic Supply Well

Dear Mr. Keene,

The Hillsborough County Public Utilities Department (County) is pleased to provide the laboratory analytical data for your domestic supply well. County personnel conducted the sampling event on August 27, 2018. All parameters tested in your supply well were within the applicable Florida drinking water standards. The County intends to sample your well in the next scheduled sampling event in February 2019.

A copy of the reported analytical data from our contracted laboratory, Advanced Environmental Laboratories Inc., is attached for your records. If you have any questions on the laboratory results or the sampling program for the Southeast County Landfill site please call me at (813) 663-3222. Thank you for allowing the County to sample and analyze the water quality from your well.

Sincerely,

10/19/2018

Michael D. Townsel
Senior Hydrologist
Public Utilities Department
Environmental Services

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

October 8, 2018

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

RE: Workorder: T1814157 SELF Semi-Annual

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, August 20, 2018 and Monday, August 27, 2018. 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,

Heidi Parker - Project Manager
HParker@AELLab.com

Enclosures

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Advanced Environmental Laboratories, Inc.

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SAMPLE SUMMARY

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1814157001	Equipment Blank	Water	8/20/2018 10:10	8/20/2018 14:55
T1814157002	3B2B	Water	8/20/2018 10:28	8/20/2018 14:55
T1814157003	3C2	Water	8/20/2018 11:15	8/20/2018 14:55
T1814157004	Mine Cut 1D	Water	8/20/2018 12:48	8/20/2018 14:55
T1814157005	Duplicate	Water	8/20/2018 00:00	8/20/2018 14:55
T1814157006	Trip Blank	Water	8/20/2018 00:00	8/20/2018 14:55
T1814157007	Stream 3 A	Water	8/21/2018 13:55	8/21/2018 14:38
T1814157008	TH-40	Water	8/21/2018 10:37	8/21/2018 14:38
T1814157009	TH-57	Water	8/21/2018 11:01	8/21/2018 14:38
T1814157010	TH-28A	Water	8/21/2018 11:27	8/21/2018 14:38
T1814157011	Field Blank	Water	8/21/2018 12:00	8/21/2018 14:38
T1814157012	TH-72	Water	8/21/2018 13:09	8/21/2018 14:38
T1814157013	TH-58	Water	8/21/2018 13:36	8/21/2018 14:38
T1814157014	Trip Blank	Water	8/21/2018 00:00	8/21/2018 14:38
T1814157015	TH-78	Water	8/22/2018 10:50	8/22/2018 15:08
T1814157016	TH-70A	Water	8/22/2018 11:33	8/22/2018 15:08
T1814157017	TH-69A	Water	8/22/2018 11:54	8/22/2018 15:08
T1814157018	TH-19	Water	8/22/2018 13:01	8/22/2018 15:08
T1814157019	TH-36A	Water	8/22/2018 13:30	8/22/2018 15:08
T1814157020	TH-61	Water	8/22/2018 13:51	8/22/2018 15:08
T1814157021	TH-61A	Water	8/22/2018 14:17	8/22/2018 15:08
T1814157022	Trip Blank	Water	8/22/2018 00:00	8/22/2018 15:08
T1814157023	TH-71A	Water	8/23/2018 09:31	8/23/2018 15:07
T1814157024	TH-68	Water	8/23/2018 11:22	8/23/2018 15:07
T1814157025	TH-64	Water	8/23/2018 11:53	8/23/2018 15:07
T1814157026	TH-65	Water	8/23/2018 12:17	8/23/2018 15:07
T1814157027	TH-66A	Water	8/23/2018 12:44	8/23/2018 15:07
T1814157028	TH-66	Water	8/23/2018 13:08	8/23/2018 15:07
T1814157029	TH-67	Water	8/23/2018 13:34	8/23/2018 15:07
T1814157030	TH-22A	Water	8/23/2018 14:19	8/23/2018 15:07
T1814157031	Duplicate	Water	8/23/2018 00:00	8/23/2018 15:07
T1814157032	Trip Blank	Water	8/23/2018 00:00	8/23/2018 15:07
T1814157033	Barnes	Water	8/24/2018 10:20	8/24/2018 11:35
T1814157034	Holland	Water	8/24/2018 10:49	8/24/2018 11:35
T1814157035	Trip Blank	Water	8/24/2018 00:00	8/24/2018 11:35

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SAMPLE SUMMARY

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1814157036	Keene	Water	8/27/2018 10:02	8/27/2018 11:08

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157001** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/20/18 10:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 18:57	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/24/2018 18:57	T
Zinc	**8.2**	**I**	**ug/L**	**1**	10	7.4	8/24/2018 18:57	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/22/2018 21:02	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/22/2018 21:02	J
Barium	**0.24**	**U**	**ug/L**	**1**	0.60	0.24	8/22/2018 21:02	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/22/2018 21:02	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/22/2018 21:02	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/22/2018 21:02	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/22/2018 21:02	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/22/2018 21:02	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/22/2018 21:02	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/22/2018 21:02	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/22/2018 21:02	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/22/2018 21:02	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/22/2018 21:02	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/24/2018 15:01	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**1**	**U**	**#/100 mL**	**1**	1	1	8/20/2018 15:25	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 17:15	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 17:15	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 17:15	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157001** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/20/18 10:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 17:15	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 17:15	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 17:15	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 17:15	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 17:15	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 17:15	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 17:15	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 17:15	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 17:15	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 17:15	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 17:15	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 17:15	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 17:15	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 17:15	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 17:15	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 17:15	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 17:15	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 17:15	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 17:15	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 17:15	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 17:15	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 17:15	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 17:15	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 17:15	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 17:15	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 17:15	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 17:15	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 17:15	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 17:15	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 17:15	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 17:15	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 17:15	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 17:15	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 17:15	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 17:15	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 17:15	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 17:15	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 17:15	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 17:15	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 17:15	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157001** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/20/18 10:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 17:15	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 17:15	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		8/21/2018 17:15	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/21/2018 17:15	
Bromofluorobenzene (S)	**88**		**%**	**1**	86-123		8/21/2018 17:15	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 17:15	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 17:15	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/21/2018 17:15	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/21/2018 17:15	
Bromofluorobenzene (S)	**86**		**%**	**1**	70-130		8/21/2018 17:15	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.18**	**U**	**mg/L**	**1**	0.40	0.18	9/13/2018 15:15	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00016**	**U**	**mg/L**	**1**	0.10	0.00016	9/5/2018 16:00	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.046**	**U**	**mg/L**	**1**	0.10	0.046	8/27/2018 14:05	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**24**	**U**	**mg/L**	**1**	50	24	8/22/2018 13:13	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.0**	**U,1**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**8.0**	**I**	**mg/L**	**1**	10	2.6	8/25/2018 16:00	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**10**	**U**	**mg/L**	**1**	10	10	8/23/2018 13:41	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157001** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/20/18 10:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	8/27/2018 12:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/20/2018 16:46	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/20/2018 15:47	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**1.2**		**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157002** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/20/18 10:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**239.3**		**umhos/cm**	**1**			8/20/2018 10:28	....
Dissolved Oxygen	**3.17**		**mg/L**	**1**			8/20/2018 10:28	....
ORP-2580BW	**104.6**		**mV**	**1**			8/20/2018 10:28	....
Temperature	**24.5**		**°C**	**1**			8/20/2018 10:28	....
Turbidity	**3.41**		**NTU**	**1**			8/20/2018 10:28	....
pH	**5.95**		**SU**	**1**			8/20/2018 10:28	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 19:01	T
Iron	**730**		**ug/L**	**1**	100	21	8/24/2018 19:01	T
Zinc	**13**		**ug/L**	**1**	10	7.4	8/24/2018 19:01	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.13**	**I**	**ug/L**	**1**	0.70	0.11	8/22/2018 21:06	J
Arsenic	**0.56**	**I**	**ug/L**	**1**	1.0	0.077	8/22/2018 21:06	J
Barium	**8.5**		**ug/L**	**1**	0.60	0.24	8/22/2018 21:06	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/22/2018 21:06	J
Chromium	**1.1**	**I**	**ug/L**	**1**	2.0	0.11	8/22/2018 21:06	J
Cobalt	**0.20**	**I**	**ug/L**	**1**	0.50	0.19	8/22/2018 21:06	J
Copper	**0.53**	**I**	**ug/L**	**1**	0.70	0.35	8/22/2018 21:06	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/22/2018 21:06	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/22/2018 21:06	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/22/2018 21:06	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/22/2018 21:06	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/22/2018 21:06	J
Vanadium	**1.6**	**I**	**ug/L**	**1**	2.0	0.71	8/22/2018 21:06	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.080**	**I**	**ug/L**	**1**	0.10	0.050	8/24/2018 15:03	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157002** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/20/18 10:28

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	**70**	**B**	**#/100 mL**	**10**	10	10	8/20/2018 15:25	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 18:59	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 18:59	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 18:59	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 18:59	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 18:59	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 18:59	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 18:59	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 18:59	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 18:59	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 18:59	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 18:59	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 18:59	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 18:59	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 18:59	T
Acetone	**29**		**ug/L**	**1**	2.0	1.0	8/21/2018 18:59	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 18:59	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 18:59	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 18:59	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 18:59	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 18:59	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 18:59	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 18:59	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 18:59	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 18:59	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 18:59	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 18:59	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 18:59	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 18:59	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 18:59	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 18:59	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 18:59	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 18:59	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157002** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/20/18 10:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 18:59	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 18:59	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 18:59	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 18:59	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 18:59	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 18:59	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 18:59	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 18:59	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 18:59	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 18:59	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 18:59	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 18:59	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 18:59	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/21/2018 18:59	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/21/2018 18:59	
Bromofluorobenzene (S)	**72**	**J4**	**%**	**1**	86-123		8/21/2018 18:59	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 18:59	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 18:59	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/21/2018 18:59	
Toluene-d8 (S)	**93**		**%**	**1**	70-130		8/21/2018 18:59	
Bromofluorobenzene (S)	**72**		**%**	**1**	70-130		8/21/2018 18:59	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.28**	**I**	**mg/L**	**1**	0.40	0.18	9/13/2018 15:15	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000015**	**U**	**mg/L**	**1**	0.10	0.000015	9/5/2018 16:00	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.36**		**mg/L**	**1**	0.10	0.046	8/27/2018 14:05	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45**	**I**	**mg/L**	**1**	50	24	8/22/2018 13:13	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157002** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/20/18 10:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.3**	**I,1**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**96**		**mg/L**	**1**	10	2.6	8/25/2018 16:00	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**220**		**mg/L**	**1**	10	10	8/23/2018 13:41	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**12**		**mg/L**	**1.1**	1.1	1.1	8/27/2018 12:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/20/2018 16:39	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/20/2018 15:32	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**12**	**J4**	**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157003** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3C2** Date Collected: 08/20/18 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**341.7**		**umhos/cm**	**1**			8/20/2018 11:15	....
Dissolved Oxygen	**3.94**		**mg/L**	**1**			8/20/2018 11:15	....
ORP-2580BW	**94.1**		**mV**	**1**			8/20/2018 11:15	....
Temperature	**26.4**		**°C**	**1**			8/20/2018 11:15	....
Turbidity	**2.72**		**NTU**	**1**			8/20/2018 11:15	....
pH	**6.58**		**SU**	**1**			8/20/2018 11:15	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 19:13	T
Iron	**520**		**ug/L**	**1**	100	21	8/24/2018 19:13	T
Zinc	**9.0**	**I**	**ug/L**	**1**	10	7.4	8/24/2018 19:13	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.93**		**ug/L**	**1**	0.70	0.11	8/22/2018 21:10	J
Arsenic	**1.2**		**ug/L**	**1**	1.0	0.077	8/22/2018 21:10	J
Barium	**6.2**		**ug/L**	**1**	0.60	0.24	8/22/2018 21:10	J
Cadmium	**0.22**	**I**	**ug/L**	**1**	0.50	0.064	8/22/2018 21:10	J
Chromium	**1.1**	**I**	**ug/L**	**1**	2.0	0.11	8/22/2018 21:10	J
Cobalt	**0.38**	**I**	**ug/L**	**1**	0.50	0.19	8/22/2018 21:10	J
Copper	**0.96**		**ug/L**	**1**	0.70	0.35	8/22/2018 21:10	J
Lead	**0.37**	**I**	**ug/L**	**1**	0.70	0.24	8/22/2018 21:10	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/24/2018 23:40	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/22/2018 21:10	J
Silver	**0.19**	**I**	**ug/L**	**1**	0.50	0.068	8/22/2018 21:10	J
Thallium	**0.29**		**ug/L**	**1**	0.20	0.057	8/22/2018 21:10	J
Vanadium	**2.9**		**ug/L**	**1**	2.0	0.71	8/22/2018 21:10	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/24/2018 15:06	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157003** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3C2** Date Collected: 08/20/18 11:15

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	**10**	**U**	**#/100 mL**	**10**	10	10	8/20/2018 15:25	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 19:26	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 19:26	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:26	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 19:26	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 19:26	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 19:26	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 19:26	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 19:26	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:26	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 19:26	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 19:26	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 19:26	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 19:26	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 19:26	T
Acetone	**28**		**ug/L**	**1**	2.0	1.0	8/21/2018 19:26	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 19:26	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:26	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 19:26	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:26	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 19:26	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 19:26	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 19:26	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:26	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 19:26	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 19:26	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 19:26	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 19:26	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 19:26	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 19:26	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 19:26	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 19:26	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 19:26	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157003** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3C2** Date Collected: 08/20/18 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 19:26	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:26	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 19:26	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:26	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 19:26	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 19:26	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:26	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 19:26	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 19:26	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:26	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 19:26	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:26	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 19:26	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/21/2018 19:26	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/21/2018 19:26	
Bromofluorobenzene (S)	**74**	**J4**	**%**	**1**	86-123		8/21/2018 19:26	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 19:26	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 19:26	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/21/2018 19:26	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/21/2018 19:26	
Bromofluorobenzene (S)	**76**		**%**	**1**	70-130		8/21/2018 19:26	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.18**	**U**	**mg/L**	**1**	0.40	0.18	9/13/2018 15:25	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000072**	**U**	**mg/L**	**1**	0.10	0.000072	9/5/2018 16:00	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.38**		**mg/L**	**1**	0.10	0.046	8/27/2018 14:05	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**34**	**I**	**mg/L**	**1**	50	24	8/22/2018 13:13	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157003** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **3C2** Date Collected: 08/20/18 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**5.3**	**1**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**80**		**mg/L**	**1**	10	2.6	8/25/2018 16:00	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1**	10	10	8/23/2018 13:41	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**5.4**		**mg/L**	**1**	1.0	1.0	8/27/2018 12:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/20/2018 16:40	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/20/2018 15:44	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**15**		**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157004** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/20/18 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**437.8**		**umhos/cm**	**1**			8/20/2018 12:48	....
Dissolved Oxygen	**0.37**		**mg/L**	**1**			8/20/2018 12:48	....
ORP-2580BW	**77.1**		**mV**	**1**			8/20/2018 12:48	....
Temperature	**27.9**		**°C**	**1**			8/20/2018 12:48	....
Turbidity	**3.69**		**NTU**	**1**			8/20/2018 12:48	....
pH	**5.91**		**SU**	**1**			8/20/2018 12:48	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 19:16	T
Iron	**760**		**ug/L**	**1**	100	21	8/24/2018 19:16	T
Zinc	**8.7**	**I**	**ug/L**	**1**	10	7.4	8/24/2018 19:16	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.45**	**I**	**ug/L**	**1**	0.70	0.11	8/22/2018 21:15	J
Arsenic	**0.90**	**I**	**ug/L**	**1**	1.0	0.077	8/22/2018 21:15	J
Barium	**5.5**		**ug/L**	**1**	0.60	0.24	8/22/2018 21:15	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/22/2018 21:15	J
Chromium	**0.63**	**I**	**ug/L**	**1**	2.0	0.11	8/22/2018 21:15	J
Cobalt	**0.29**	**I**	**ug/L**	**1**	0.50	0.19	8/22/2018 21:15	J
Copper	**0.58**	**I**	**ug/L**	**1**	0.70	0.35	8/22/2018 21:15	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/22/2018 21:15	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/24/2018 23:46	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/22/2018 21:15	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/22/2018 21:15	J
Thallium	**0.060**	**I**	**ug/L**	**1**	0.20	0.057	8/22/2018 21:15	J
Vanadium	**2.0**		**ug/L**	**1**	2.0	0.71	8/22/2018 21:15	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/24/2018 15:09	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157004** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/20/18 12:48

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	**50**	**B**	**#/100 mL**	**10**	10	10	8/20/2018 15:25	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 19:52	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 19:52	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:52	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 19:52	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 19:52	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 19:52	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 19:52	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 19:52	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:52	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 19:52	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 19:52	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 19:52	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 19:52	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 19:52	T
Acetone	**340**		**ug/L**	**10**	20	10	8/22/2018 16:08	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 19:52	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:52	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 19:52	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:52	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 19:52	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 19:52	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 19:52	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:52	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 19:52	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 19:52	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 19:52	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 19:52	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 19:52	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 19:52	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 19:52	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 19:52	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 19:52	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157004** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/20/18 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 19:52	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:52	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 19:52	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 19:52	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 19:52	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 19:52	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:52	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 19:52	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 19:52	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:52	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 19:52	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 19:52	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 19:52	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-128		8/21/2018 19:52	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/21/2018 19:52	
Bromofluorobenzene (S)	**76**	**J4**	**%**	**1**	86-123		8/21/2018 19:52	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 19:52	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 19:52	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/21/2018 19:52	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/21/2018 19:52	
Bromofluorobenzene (S)	**75**		**%**	**1**	70-130		8/21/2018 19:52	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.18**	**U**	**mg/L**	**1**	0.40	0.18	9/13/2018 15:45	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000017**	**U**	**mg/L**	**1**	0.10	0.000017	9/5/2018 16:00	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.68**	**U**	**mg/L**	**15**	1.5	0.68	8/27/2018 14:05	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**77**		**mg/L**	**1**	50	24	8/22/2018 13:13	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157004** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/20/18 12:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**43**	**1**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**130**		**mg/L**	**1**	10	2.6	8/25/2018 16:00	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1**	10	10	8/23/2018 13:41	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**5.6**		**mg/L**	**1.1**	1.1	1.1	8/27/2018 12:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/20/2018 16:41	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/20/2018 15:29	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**20**		**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157005** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 19:20	T
Iron	**460**		**ug/L**	**1**	100	21	8/24/2018 19:20	T
Zinc	**7.5**	**I**	**ug/L**	**1**	10	7.4	8/24/2018 19:20	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.76**		**ug/L**	**1**	0.70	0.11	8/22/2018 21:20	J
Arsenic	**1.0**		**ug/L**	**1**	1.0	0.077	8/22/2018 21:20	J
Barium	**5.8**		**ug/L**	**1**	0.60	0.24	8/22/2018 21:20	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/22/2018 21:20	J
Chromium	**0.93**	**I**	**ug/L**	**1**	2.0	0.11	8/22/2018 21:20	J
Cobalt	**0.20**	**I**	**ug/L**	**1**	0.50	0.19	8/22/2018 21:20	J
Copper	**0.73**		**ug/L**	**1**	0.70	0.35	8/22/2018 21:20	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/22/2018 21:20	J
Nickel	**1.2**	**I**	**ug/L**	**1**	2.0	0.98	8/24/2018 23:51	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/22/2018 21:20	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/22/2018 21:20	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/22/2018 21:20	J
Vanadium	**2.7**		**ug/L**	**1**	2.0	0.71	8/22/2018 21:20	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/24/2018 15:11	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**10**	**U**	**#/100 mL**	**10**	10	10	8/20/2018 15:25	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 20:18	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 20:18	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 20:18	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157005** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 20:18	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 20:18	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 20:18	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 20:18	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 20:18	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 20:18	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 20:18	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 20:18	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 20:18	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 20:18	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 20:18	T
Acetone	**4.2**		**ug/L**	**1**	2.0	1.0	8/21/2018 20:18	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 20:18	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 20:18	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 20:18	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 20:18	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 20:18	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 20:18	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 20:18	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 20:18	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 20:18	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 20:18	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 20:18	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 20:18	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 20:18	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 20:18	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 20:18	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 20:18	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 20:18	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 20:18	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 20:18	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 20:18	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 20:18	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 20:18	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 20:18	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 20:18	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 20:18	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 20:18	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 20:18	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 20:18	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157005** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 20:18	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 20:18	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		8/21/2018 20:18	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/21/2018 20:18	
Bromofluorobenzene (S)	**83**	**J4**	**%**	**1**	86-123		8/21/2018 20:18	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 20:18	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 20:18	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/21/2018 20:18	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/21/2018 20:18	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/21/2018 20:18	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.18**	**U**	**mg/L**	**1**	0.40	0.18	9/28/2018 08:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000027**	**I**	**mg/L**	**1**	0.10	0.000015	9/6/2018 10:18	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.40**		**mg/L**	**1**	0.10	0.046	8/27/2018 14:05	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**36**	**I**	**mg/L**	**1**	50	24	8/22/2018 13:13	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**4.0**	**1**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**88**		**mg/L**	**1**	10	2.6	10/5/2018 17:30	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**210**		**mg/L**	**1**	10	10	8/23/2018 13:41	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157005** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**5.0**		**mg/L**	**1**	1.0	1.0	8/24/2018 12:57	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/20/2018 16:44	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/20/2018 15:35	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**18**		**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157006** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/21/2018 16:48	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2018 16:48	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 16:48	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2018 16:48	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2018 16:48	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2018 16:48	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2018 16:48	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2018 16:48	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 16:48	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 16:48	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 16:48	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2018 16:48	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2018 16:48	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2018 16:48	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 16:48	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/21/2018 16:48	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 16:48	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2018 16:48	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 16:48	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/21/2018 16:48	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2018 16:48	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2018 16:48	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 16:48	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2018 16:48	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2018 16:48	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2018 16:48	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/21/2018 16:48	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 16:48	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2018 16:48	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2018 16:48	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2018 16:48	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2018 16:48	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 16:48	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 16:48	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2018 16:48	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/21/2018 16:48	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157006** Date Received: 08/20/18 14:55 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/20/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2018 16:48	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2018 16:48	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 16:48	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/21/2018 16:48	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2018 16:48	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 16:48	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2018 16:48	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/21/2018 16:48	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2018 16:48	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/21/2018 16:48	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/21/2018 16:48	
Bromofluorobenzene (S)	**86**		**%**	**1**	86-123		8/21/2018 16:48	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 16:48	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/21/2018 16:48	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/21/2018 16:48	
Toluene-d8 (S)	**93**		**%**	**1**	70-130		8/21/2018 16:48	
Bromofluorobenzene (S)	**83**		**%**	**1**	70-130		8/21/2018 16:48	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157007** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Stream 3 A** Date Collected: 08/21/18 13:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**281.4**		**umhos/cm**	**1**			8/21/2018 13:55	....
Dissolved Oxygen	**0.33**		**mg/L**	**1**			8/21/2018 13:55	....
ORP-2580BW	**-99**		**mV**	**1**			8/21/2018 13:55	....
Temperature	**25.6**		**°C**	**1**			8/21/2018 13:55	....
Turbidity	**3.98**		**NTU**	**1**			8/21/2018 13:55	....
pH	**6.09**		**SU**	**1**			8/21/2018 13:55	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/24/2018 19:24	T
Iron	**420**		**ug/L**	**1**	100	21	8/24/2018 19:24	T
Zinc	**9.1**	**I**	**ug/L**	**1**	10	7.4	8/24/2018 19:24	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.29**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 17:59	J
Arsenic	**0.27**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 17:59	J
Barium	**18**		**ug/L**	**1**	0.60	0.24	8/31/2018 17:59	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 17:59	J
Chromium	**1.0**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 17:59	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 17:59	J
Copper	**0.37**	**I**	**ug/L**	**1**	0.70	0.35	8/31/2018 17:59	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 17:59	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 17:59	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 17:59	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 17:59	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 17:59	J
Vanadium	**1.3**	**I**	**ug/L**	**1**	2.0	0.71	8/31/2018 17:59	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:07	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157007** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Stream 3 A** Date Collected: 08/21/18 13:55

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	**10**	**U**	**#/100 mL**	**10**	10	10	8/21/2018 16:00	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 18:51	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 18:51	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:51	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 18:51	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 18:51	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 18:51	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 18:51	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 18:51	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:51	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 18:51	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 18:51	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 18:51	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 18:51	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 18:51	T
Acetone	**110**		**ug/L**	**1**	2.0	1.0	8/23/2018 18:51	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 18:51	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:51	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 18:51	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:51	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 18:51	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 18:51	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 18:51	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:51	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 18:51	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 18:51	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 18:51	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 18:51	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 18:51	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 18:51	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 18:51	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 18:51	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 18:51	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157007** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Stream 3 A** Date Collected: 08/21/18 13:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 18:51	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:51	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 18:51	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:51	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 18:51	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 18:51	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:51	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 18:51	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 18:51	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:51	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 18:51	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:51	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 18:51	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-128		8/23/2018 18:51	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/23/2018 18:51	
Bromofluorobenzene (S)	**83**	**J4**	**%**	**1**	86-123		8/23/2018 18:51	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 18:51	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 18:51	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/23/2018 18:51	
Toluene-d8 (S)	**92**		**%**	**1**	70-130		8/23/2018 18:51	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/23/2018 18:51	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.55**		**mg/L**	**1**	0.40	0.18	9/28/2018 08:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000064**	**I**	**mg/L**	**1**	0.10	0.000022	9/6/2018 10:18	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**1.0**		**mg/L**	**1**	0.10	0.046	9/5/2018 09:13	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**38**	**I**	**mg/L**	**1**	50	24	8/27/2018 13:52	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157007** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Stream 3 A** Date Collected: 08/21/18 13:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**5.3**	**2**	**mg/m3**	**1**	2.0	1.0	9/5/2018 13:32	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**100**		**mg/L**	**1**	10	2.6	8/25/2018 16:00	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**4.0**		**mg/L**	**1.1**	1.1	1.1	8/28/2018 13:48	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/21/2018 16:34	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/22/2018 12:40	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**10**		**mg/L**	**1**	1.0	0.25	9/5/2018 12:52	G

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157008** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/21/18 10:37

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**399.2**		**umhos/cm**	**1**			8/21/2018 10:37	....
Dissolved Oxygen	**0.21**		**mg/L**	**1**			8/21/2018 10:37	....
ORP-2580BW	**-135.3**		**mV**	**1**			8/21/2018 10:37	....
Temperature	**23.8**		**°C**	**1**			8/21/2018 10:37	....
Turbidity	**0.32**		**NTU**	**1**			8/21/2018 10:37	....
pH	**7.44**		**SU**	**1**			8/21/2018 10:37	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/27/2018 17:15	T
Iron	**25**	**I**	**ug/L**	**1**	100	21	8/27/2018 17:15	T
Sodium	**17**		**mg/L**	**1**	0.20	0.17	8/27/2018 17:15	T
Zinc	**9.7**	**I**	**ug/L**	**1**	10	7.4	8/27/2018 17:15	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.19**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:15	J
Arsenic	**0.14**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:15	J
Barium	**5.7**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:15	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:15	J
Chromium	**0.16**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:15	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:15	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:15	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:15	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:15	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:15	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:15	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:15	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:15	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:09	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157008** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/21/18 10:37

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	8/27/2018 12:28	T
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 19:17	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 19:17	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:17	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 19:17	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 19:17	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 19:17	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 19:17	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 19:17	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:17	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 19:17	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 19:17	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 19:17	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 19:17	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 19:17	T
Acetone	**2.4**		**ug/L**	**1**	2.0	1.0	8/23/2018 19:17	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 19:17	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:17	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 19:17	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:17	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 19:17	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 19:17	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 19:17	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:17	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 19:17	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 19:17	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 19:17	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 19:17	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 19:17	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 19:17	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 19:17	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 19:17	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 19:17	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 19:17	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:17	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157008** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/21/18 10:37

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 19:17	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:17	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 19:17	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 19:17	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:17	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 19:17	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 19:17	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:17	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 19:17	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:17	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 19:17	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-128		8/23/2018 19:17	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/23/2018 19:17	
Bromofluorobenzene (S)	**82**	**J4**	**%**	**1**	86-123		8/23/2018 19:17	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 19:17	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 19:17	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/23/2018 19:17	
Toluene-d8 (S)	**93**		**%**	**1**	70-130		8/23/2018 19:17	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/23/2018 19:17	
VOLATILES								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.36**	**J4**	**mg/L**	**1**	0.10	0.025	9/4/2018 15:21	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/21/2018 16:42	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157009** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/21/18 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**346.5**		**umhos/cm**	**1**			8/21/2018 11:01	....
Dissolved Oxygen	**0.34**		**mg/L**	**1**			8/21/2018 11:01	....
ORP-2580BW	**-133.7**		**mV**	**1**			8/21/2018 11:01	....
Temperature	**28.5**		**°C**	**1**			8/21/2018 11:01	....
Turbidity	**0.75**		**NTU**	**1**			8/21/2018 11:01	....
pH	**5.26**		**SU**	**1**			8/21/2018 11:01	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:13	T
Iron	**480**		**ug/L**	**1**	100	21	8/31/2018 17:13	T
Sodium	**18**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:13	T
Zinc	**9.0**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:13	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.23**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:19	J
Arsenic	**0.30**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:19	J
Barium	**11**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:19	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:19	J
Chromium	**1.0**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:19	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:19	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:19	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:19	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:19	J
Selenium	**1.2**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:19	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:19	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:19	J
Vanadium	**4.6**		**ug/L**	**1**	2.0	0.71	8/31/2018 18:19	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:11	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157009** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/21/18 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 19:43	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 19:43	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:43	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 19:43	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 19:43	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 19:43	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 19:43	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 19:43	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:43	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 19:43	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 19:43	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 19:43	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 19:43	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 19:43	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 19:43	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 19:43	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:43	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 19:43	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:43	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 19:43	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 19:43	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 19:43	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:43	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 19:43	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 19:43	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 19:43	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 19:43	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 19:43	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 19:43	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 19:43	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 19:43	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 19:43	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 19:43	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:43	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 19:43	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 19:43	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 19:43	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157009** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/21/18 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 19:43	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:43	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 19:43	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 19:43	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:43	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 19:43	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 19:43	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 19:43	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/23/2018 19:43	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/23/2018 19:43	
Bromofluorobenzene (S)	**82**	**J4**	**%**	**1**	86-123		8/23/2018 19:43	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 19:43	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 19:43	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/23/2018 19:43	
Toluene-d8 (S)	**93**		**%**	**1**	70-130		8/23/2018 19:43	
Bromofluorobenzene (S)	**83**		**%**	**1**	70-130		8/23/2018 19:43	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.5**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:24	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**67**		**mg/L**	**1**	5.0	2.6	8/27/2018 12:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.29**		**mg/L**	**1**	0.20	0.18	8/21/2018 16:43	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157010** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/21/18 11:27

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**311.7**		**umhos/cm**	**1**			8/21/2018 11:27	....
Dissolved Oxygen	**0.39**		**mg/L**	**1**			8/21/2018 11:27	....
ORP-2580BW	**-89.6**		**mV**	**1**			8/21/2018 11:27	....
Temperature	**28.3**		**°C**	**1**			8/21/2018 11:27	....
Turbidity	**2.68**		**NTU**	**1**			8/21/2018 11:27	....
pH	**5.07**		**SU**	**1**			8/21/2018 11:27	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:17	T
Iron	**3500**		**ug/L**	**1**	100	21	8/31/2018 17:17	T
Sodium	**21**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:17	T
Zinc	**67**		**ug/L**	**1**	10	7.4	8/31/2018 17:17	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:24	J
Arsenic	**1.3**		**ug/L**	**1**	1.0	0.077	8/31/2018 18:24	J
Barium	**1.7**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:24	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:24	J
Chromium	**1.3**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:24	J
Cobalt	**0.50**	**I**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:24	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:24	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:24	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:24	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:24	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:24	J
Thallium	**0.092**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:24	J
Vanadium	**1.3**	**I**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:24	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:30	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157010** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/21/18 11:27

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 20:09	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 20:09	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:09	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 20:09	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 20:09	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 20:09	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 20:09	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 20:09	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:09	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 20:09	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 20:09	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 20:09	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 20:09	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 20:09	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 20:09	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 20:09	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:09	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 20:09	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:09	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 20:09	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 20:09	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 20:09	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:09	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 20:09	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 20:09	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 20:09	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 20:09	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 20:09	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 20:09	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 20:09	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 20:09	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 20:09	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 20:09	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:09	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 20:09	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:09	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 20:09	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157010** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/21/18 11:27

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 20:09	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:09	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 20:09	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 20:09	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:09	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 20:09	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:09	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 20:09	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		8/23/2018 20:09	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/23/2018 20:09	
Bromofluorobenzene (S)	**84**	**J4**	**%**	**1**	86-123		8/23/2018 20:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 20:09	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 20:09	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		8/23/2018 20:09	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/23/2018 20:09	
Bromofluorobenzene (S)	**85**		**%**	**1**	70-130		8/23/2018 20:09	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**2.3**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:24	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**200**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**58**	**J4**	**mg/L**	**1**	5.0	2.6	8/30/2018 08:41	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/21/2018 16:44	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157011** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/21/18 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:21	T
Iron	**22**	**I**	**ug/L**	**1**	100	21	8/31/2018 17:21	T
Sodium	**0.17**	**U**	**mg/L**	**1**	0.20	0.17	8/31/2018 17:21	T
Zinc	**9.4**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:21	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:28	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:28	J
Barium	**0.24**	**U**	**ug/L**	**1**	0.60	0.24	8/31/2018 18:28	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:28	J
Chromium	**0.12**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:28	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:28	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:28	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:28	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:28	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:28	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:28	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:28	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:28	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:31	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 18:24	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 18:24	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:24	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 18:24	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 18:24	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 18:24	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 18:24	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157011** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/21/18 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 18:24	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:24	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 18:24	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 18:24	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 18:24	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 18:24	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 18:24	T
Acetone	**2.3**		**ug/L**	**1**	2.0	1.0	8/23/2018 18:24	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 18:24	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:24	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 18:24	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:24	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 18:24	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 18:24	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 18:24	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:24	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 18:24	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 18:24	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 18:24	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 18:24	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 18:24	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 18:24	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 18:24	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 18:24	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 18:24	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 18:24	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:24	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 18:24	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 18:24	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 18:24	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 18:24	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:24	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 18:24	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 18:24	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:24	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 18:24	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 18:24	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 18:24	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/23/2018 18:24	
Toluene-d8 (S)	**91**		**%**	**1**	77-119		8/23/2018 18:24	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157011** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/21/18 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**81**	**J4**	**%**	**1**	86-123		8/23/2018 18:24	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 18:24	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 18:24	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/23/2018 18:24	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/23/2018 18:24	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/23/2018 18:24	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**U**	**mg/L**	**1**	0.10	0.025	9/4/2018 15:25	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**10**	**U**	**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**2.6**	**U**	**mg/L**	**1**	5.0	2.6	8/30/2018 08:43	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/21/2018 16:47	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157012** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/21/18 13:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**1651**		**umhos/cm**	**1**			8/21/2018 13:09	....
Dissolved Oxygen	**0.09**		**mg/L**	**1**			8/21/2018 13:09	....
ORP-2580BW	**-164.3**		**mV**	**1**			8/21/2018 13:09	....
Temperature	**24.2**		**°C**	**1**			8/21/2018 13:09	....
Turbidity	**0.25**		**NTU**	**1**			8/21/2018 13:09	....
pH	**6.65**		**SU**	**1**			8/21/2018 13:09	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:26	T
Iron	**560**		**ug/L**	**1**	100	21	8/31/2018 17:26	T
Sodium	**100**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:26	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/31/2018 17:26	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:32	J
Arsenic	**0.16**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:32	J
Barium	**32**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:32	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:32	J
Chromium	**0.41**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:32	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:32	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:32	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:32	J
Nickel	**1.3**	**I**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:32	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:32	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:32	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:32	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:32	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:34	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157012** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/21/18 13:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 20:36	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 20:36	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:36	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 20:36	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 20:36	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 20:36	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 20:36	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 20:36	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:36	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 20:36	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 20:36	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 20:36	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 20:36	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 20:36	T
Acetone	**3.0**		**ug/L**	**1**	2.0	1.0	8/23/2018 20:36	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 20:36	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:36	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 20:36	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:36	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 20:36	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 20:36	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 20:36	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:36	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 20:36	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 20:36	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 20:36	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 20:36	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 20:36	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 20:36	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 20:36	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 20:36	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 20:36	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 20:36	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:36	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 20:36	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 20:36	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 20:36	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157012** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/21/18 13:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 20:36	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:36	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 20:36	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 20:36	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:36	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 20:36	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 20:36	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 20:36	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-128		8/23/2018 20:36	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/23/2018 20:36	
Bromofluorobenzene (S)	**86**		**%**	**1**	86-123		8/23/2018 20:36	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 20:36	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 20:36	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		8/23/2018 20:36	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/23/2018 20:36	
Bromofluorobenzene (S)	**81**		**%**	**1**	70-130		8/23/2018 20:36	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**12**		**mg/L**	**2**	0.20	0.050	9/4/2018 15:57	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1000**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**250**		**mg/L**	**5**	25	13	8/30/2018 09:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/21/2018 16:48	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157013** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/21/18 13:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**579**		**umhos/cm**	**1**			8/21/2018 13:36	....
Dissolved Oxygen	**0.23**		**mg/L**	**1**			8/21/2018 13:36	....
ORP-2580BW	**-31.9**		**mV**	**1**			8/21/2018 13:36	....
Temperature	**27.3**		**°C**	**1**			8/21/2018 13:36	....
Turbidity	**0.81**		**NTU**	**1**			8/21/2018 13:36	....
pH	**5.79**		**SU**	**1**			8/21/2018 13:36	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:29	T
Iron	**2500**		**ug/L**	**1**	100	21	8/31/2018 17:29	T
Sodium	**36**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:29	T
Zinc	**7.8**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:29	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.18**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:36	J
Arsenic	**15**		**ug/L**	**1**	1.0	0.077	8/31/2018 18:36	J
Barium	**23**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:36	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:36	J
Chromium	**1.7**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:36	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:36	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:36	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:36	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:36	J
Selenium	**1.3**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:36	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:36	J
Thallium	**0.46**		**ug/L**	**1**	0.20	0.057	8/31/2018 18:36	J
Vanadium	**11**		**ug/L**	**1**	2.0	0.71	8/31/2018 18:36	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	8/30/2018 13:36	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157013** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/21/18 13:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 21:02	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 21:02	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:02	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 21:02	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 21:02	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 21:02	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 21:02	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 21:02	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:02	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:02	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:02	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 21:02	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 21:02	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 21:02	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:02	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 21:02	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:02	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 21:02	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:02	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 21:02	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:02	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 21:02	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:02	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 21:02	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 21:02	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 21:02	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 21:02	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:02	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:02	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 21:02	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 21:02	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:02	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:02	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:02	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 21:02	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:02	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:02	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157013** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/21/18 13:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:02	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:02	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 21:02	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 21:02	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:02	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 21:02	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:02	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 21:02	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/23/2018 21:02	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/23/2018 21:02	
Bromofluorobenzene (S)	**83**	**J4**	**%**	**1**	86-123		8/23/2018 21:02	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:02	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:02	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/23/2018 21:02	
Toluene-d8 (S)	**92**		**%**	**1**	70-130		8/23/2018 21:02	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/23/2018 21:02	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.81**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**310**		**mg/L**	**1**	10	10	8/27/2018 13:34	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**68**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:45	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.33**		**mg/L**	**1**	0.20	0.18	8/21/2018 16:49	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157014** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/21/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 17:58	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 17:58	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:58	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 17:58	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 17:58	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 17:58	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 17:58	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 17:58	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:58	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 17:58	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 17:58	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 17:58	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 17:58	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 17:58	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 17:58	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 17:58	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:58	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 17:58	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:58	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 17:58	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 17:58	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 17:58	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:58	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 17:58	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 17:58	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 17:58	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 17:58	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 17:58	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 17:58	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 17:58	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 17:58	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 17:58	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 17:58	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:58	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 17:58	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:58	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157014** Date Received: 08/21/18 14:38 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/21/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 17:58	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 17:58	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:58	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 17:58	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 17:58	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:58	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 17:58	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:58	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 17:58	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/23/2018 17:58	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/23/2018 17:58	
Bromofluorobenzene (S)	**82**	**J4**	**%**	**1**	86-123		8/23/2018 17:58	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 17:58	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 17:58	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/23/2018 17:58	
Toluene-d8 (S)	**92**		**%**	**1**	70-130		8/23/2018 17:58	
Bromofluorobenzene (S)	**81**		**%**	**1**	70-130		8/23/2018 17:58	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157015** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/22/18 10:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**544**		**umhos/cm**	**1**			8/22/2018 10:50	....
Dissolved Oxygen	**0.09**		**mg/L**	**1**			8/22/2018 10:50	....
ORP-2580BW	**-234.8**		**mV**	**1**			8/22/2018 10:50	....
Temperature	**23.5**		**°C**	**1**			8/22/2018 10:50	....
Turbidity	**0.44**		**NTU**	**1**			8/22/2018 10:50	....
pH	**7.88**		**SU**	**1**			8/22/2018 10:50	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:37	T
Iron	**260**		**ug/L**	**1**	100	21	8/31/2018 17:37	T
Sodium	**31**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:37	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/31/2018 17:37	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:39	J
Arsenic	**0.12**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:39	J
Barium	**42**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:39	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:39	J
Chromium	**0.19**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:39	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:39	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:39	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:39	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:39	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:39	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:39	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:39	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:39	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:35	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157015** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/22/18 10:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 21:28	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 21:28	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:28	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 21:28	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 21:28	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 21:28	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 21:28	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 21:28	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:28	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:28	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:28	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 21:28	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 21:28	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 21:28	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:28	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 21:28	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:28	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 21:28	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:28	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 21:28	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:28	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 21:28	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:28	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 21:28	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 21:28	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 21:28	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 21:28	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:28	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:28	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 21:28	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 21:28	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:28	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:28	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:28	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 21:28	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:28	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:28	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157015** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/22/18 10:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:28	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:28	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 21:28	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 21:28	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:28	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 21:28	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:28	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 21:28	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/23/2018 21:28	
Toluene-d8 (S)	**91**		**%**	**1**	77-119		8/23/2018 21:28	
Bromofluorobenzene (S)	**84**	**J4**	**%**	**1**	86-123		8/23/2018 21:28	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:28	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:28	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/23/2018 21:28	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/23/2018 21:28	
Bromofluorobenzene (S)	**82**		**%**	**1**	70-130		8/23/2018 21:28	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.31**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**330**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**28**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:45	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:07	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157016** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/22/18 11:33

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**637**		**umhos/cm**	**1**			8/22/2018 11:33	....
Dissolved Oxygen	**0.13**		**mg/L**	**1**			8/22/2018 11:33	....
ORP-2580BW	**-95.4**		**mV**	**1**			8/22/2018 11:33	....
Temperature	**25.8**		**°C**	**1**			8/22/2018 11:33	....
Turbidity	**74.3**		**NTU**	**1**			8/22/2018 11:33	....
pH	**6.37**		**SU**	**1**			8/22/2018 11:33	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:41	T
Iron	**48000**		**ug/L**	**1**	100	21	8/31/2018 17:41	T
Sodium	**9.6**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:41	T
Zinc	**9.3**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:41	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:43	J
Arsenic	**6.0**		**ug/L**	**1**	1.0	0.077	8/31/2018 18:43	J
Barium	**15**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:43	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:43	J
Chromium	**0.99**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:43	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:43	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:43	J
Lead	**0.49**	**I**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:43	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:43	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:43	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:43	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:43	J
Vanadium	**5.2**		**ug/L**	**1**	2.0	0.71	8/31/2018 18:43	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:46	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157016** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/22/18 11:33

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/24/2018 04:51	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/24/2018 04:51	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 04:51	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/24/2018 04:51	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/24/2018 04:51	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/24/2018 04:51	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/24/2018 04:51	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/24/2018 04:51	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 04:51	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 04:51	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 04:51	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/24/2018 04:51	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/24/2018 04:51	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/24/2018 04:51	T
Acetone	**2.1**		**ug/L**	**1**	2.0	1.0	8/24/2018 04:51	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/24/2018 04:51	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 04:51	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/24/2018 04:51	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 04:51	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/24/2018 04:51	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 04:51	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/24/2018 04:51	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 04:51	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/24/2018 04:51	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/24/2018 04:51	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/24/2018 04:51	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/24/2018 04:51	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 04:51	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 04:51	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/24/2018 04:51	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/24/2018 04:51	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 04:51	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 04:51	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 04:51	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/24/2018 04:51	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 04:51	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 04:51	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157016** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/22/18 11:33

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 04:51	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 04:51	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/24/2018 04:51	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/24/2018 04:51	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 04:51	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/24/2018 04:51	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 04:51	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/24/2018 04:51	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		8/24/2018 04:51	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/24/2018 04:51	
Bromofluorobenzene (S)	**86**		**%**	**1**	86-123		8/24/2018 04:51	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 04:51	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 04:51	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/24/2018 04:51	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/24/2018 04:51	
Bromofluorobenzene (S)	**86**		**%**	**1**	70-130		8/24/2018 04:51	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.5**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**310**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**36**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:46	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:08	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157017** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/22/18 11:54

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**532**		**umhos/cm**	**1**			8/22/2018 11:54	....
Dissolved Oxygen	**0.11**		**mg/L**	**1**			8/22/2018 11:54	....
ORP-2580BW	**-28.1**		**mV**	**1**			8/22/2018 11:54	....
Temperature	**26**		**°C**	**1**			8/22/2018 11:54	....
Turbidity	**6.23**		**NTU**	**1**			8/22/2018 11:54	....
pH	**6.14**		**SU**	**1**			8/22/2018 11:54	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:45	T
Iron	**4800**		**ug/L**	**1**	100	21	8/31/2018 17:45	T
Sodium	**14**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:45	T
Zinc	**8.7**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:45	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 18:47	J
Arsenic	**0.50**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 18:47	J
Barium	**4.6**		**ug/L**	**1**	0.60	0.24	8/31/2018 18:47	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 18:47	J
Chromium	**0.70**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 18:47	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 18:47	J
Copper	**0.47**	**I**	**ug/L**	**1**	0.70	0.35	8/31/2018 18:47	J
Lead	**0.27**	**I**	**ug/L**	**1**	0.70	0.24	8/31/2018 18:47	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 18:47	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 18:47	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 18:47	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 18:47	J
Vanadium	**0.81**	**I**	**ug/L**	**1**	2.0	0.71	8/31/2018 18:47	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:49	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157017** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/22/18 11:54

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/24/2018 05:17	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/24/2018 05:17	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:17	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/24/2018 05:17	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/24/2018 05:17	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/24/2018 05:17	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/24/2018 05:17	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/24/2018 05:17	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:17	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 05:17	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 05:17	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/24/2018 05:17	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/24/2018 05:17	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/24/2018 05:17	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 05:17	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/24/2018 05:17	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:17	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/24/2018 05:17	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:17	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/24/2018 05:17	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 05:17	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/24/2018 05:17	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:17	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/24/2018 05:17	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/24/2018 05:17	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/24/2018 05:17	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/24/2018 05:17	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 05:17	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 05:17	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/24/2018 05:17	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/24/2018 05:17	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 05:17	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 05:17	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:17	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/24/2018 05:17	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:17	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 05:17	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157017** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/22/18 11:54

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 05:17	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:17	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/24/2018 05:17	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/24/2018 05:17	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:17	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/24/2018 05:17	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:17	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/24/2018 05:17	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		8/24/2018 05:17	
Toluene-d8 (S)	**91**		**%**	**1**	77-119		8/24/2018 05:17	
Bromofluorobenzene (S)	**85**	**J4**	**%**	**1**	86-123		8/24/2018 05:17	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 05:17	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 05:17	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/24/2018 05:17	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/24/2018 05:17	
Bromofluorobenzene (S)	**86**		**%**	**1**	70-130		8/24/2018 05:17	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.37**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:40	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**320**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**33**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:47	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:09	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157018** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/22/18 13:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**423.6**		**umhos/cm**	**1**			8/22/2018 13:01	....
Dissolved Oxygen	**0.29**		**mg/L**	**1**			8/22/2018 13:01	....
ORP-2580BW	**-92.5**		**mV**	**1**			8/22/2018 13:01	....
Temperature	**23.6**		**°C**	**1**			8/22/2018 13:01	....
Turbidity	**1.23**		**NTU**	**1**			8/22/2018 13:01	....
pH	**7.3**		**SU**	**1**			8/22/2018 13:01	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 17:49	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/31/2018 17:49	T
Sodium	**14**		**mg/L**	**1**	0.20	0.17	8/31/2018 17:49	T
Zinc	**9.7**	**I**	**ug/L**	**1**	10	7.4	8/31/2018 17:49	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.98**		**ug/L**	**1**	0.70	0.11	8/31/2018 19:00	J
Arsenic	**0.14**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 19:00	J
Barium	**5.5**		**ug/L**	**1**	0.60	0.24	8/31/2018 19:00	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 19:00	J
Chromium	**0.20**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 19:00	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 19:00	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 19:00	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 19:00	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 19:00	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 19:00	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 19:00	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 19:00	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 19:00	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:51	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157018** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/22/18 13:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 21:54	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 21:54	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:54	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 21:54	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 21:54	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 21:54	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 21:54	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 21:54	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:54	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:54	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:54	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 21:54	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 21:54	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 21:54	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:54	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 21:54	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:54	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 21:54	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:54	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 21:54	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 21:54	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 21:54	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:54	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 21:54	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 21:54	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 21:54	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 21:54	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:54	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 21:54	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 21:54	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 21:54	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 21:54	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:54	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:54	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 21:54	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 21:54	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 21:54	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157018** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/22/18 13:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 21:54	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:54	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 21:54	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 21:54	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:54	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 21:54	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 21:54	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 21:54	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		8/23/2018 21:54	
Toluene-d8 (S)	**91**		**%**	**1**	77-119		8/23/2018 21:54	
Bromofluorobenzene (S)	**84**	**J4**	**%**	**1**	86-123		8/23/2018 21:54	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:54	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 21:54	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/23/2018 21:54	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/23/2018 21:54	
Bromofluorobenzene (S)	**83**		**%**	**1**	70-130		8/23/2018 21:54	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.26**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:41	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**290**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.5**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:47	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.39**		**mg/L**	**1**	0.20	0.18	8/23/2018 10:10	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157019** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/22/18 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**185.2**		**umhos/cm**	**1**			8/22/2018 13:30	....
Dissolved Oxygen	**0.26**		**mg/L**	**1**			8/22/2018 13:30	....
ORP-2580BW	**72.5**		**mV**	**1**			8/22/2018 13:30	....
Temperature	**25.4**		**°C**	**1**			8/22/2018 13:30	....
Turbidity	**2.99**		**NTU**	**1**			8/22/2018 13:30	....
pH	**5.64**		**SU**	**1**			8/22/2018 13:30	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	8/31/2018 18:11	T
Iron	**170**		**ug/L**	**1**	100	21	8/31/2018 18:11	T
Sodium	**4.6**		**mg/L**	**1**	0.20	0.17	8/31/2018 18:11	T
Zinc	**11**		**ug/L**	**1**	10	7.4	8/31/2018 18:11	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.38**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 19:05	J
Arsenic	**0.54**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 19:05	J
Barium	**7.5**		**ug/L**	**1**	0.60	0.24	8/31/2018 19:05	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 19:05	J
Chromium	**0.79**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 19:05	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 19:05	J
Copper	**0.35**	**I**	**ug/L**	**1**	0.70	0.35	8/31/2018 19:05	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 19:05	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 19:05	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 19:05	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 19:05	J
Thallium	**0.062**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 19:05	J
Vanadium	**2.4**		**ug/L**	**1**	2.0	0.71	8/31/2018 19:05	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:53	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157019** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/22/18 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/24/2018 05:43	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/24/2018 05:43	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:43	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/24/2018 05:43	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/24/2018 05:43	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/24/2018 05:43	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/24/2018 05:43	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/24/2018 05:43	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:43	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 05:43	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 05:43	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/24/2018 05:43	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/24/2018 05:43	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/24/2018 05:43	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 05:43	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/24/2018 05:43	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:43	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/24/2018 05:43	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:43	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/24/2018 05:43	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 05:43	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/24/2018 05:43	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:43	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/24/2018 05:43	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/24/2018 05:43	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/24/2018 05:43	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/24/2018 05:43	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 05:43	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 05:43	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/24/2018 05:43	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/24/2018 05:43	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 05:43	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 05:43	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:43	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/24/2018 05:43	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 05:43	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 05:43	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157019** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/22/18 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 05:43	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:43	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/24/2018 05:43	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/24/2018 05:43	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:43	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/24/2018 05:43	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 05:43	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/24/2018 05:43	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-128		8/24/2018 05:43	
Toluene-d8 (S)	**91**		**%**	**1**	77-119		8/24/2018 05:43	
Bromofluorobenzene (S)	**86**		**%**	**1**	86-123		8/24/2018 05:43	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 05:43	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 05:43	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/24/2018 05:43	
Toluene-d8 (S)	**91**		**%**	**1**	70-130		8/24/2018 05:43	
Bromofluorobenzene (S)	**85**		**%**	**1**	70-130		8/24/2018 05:43	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.44**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**120**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**6.9**		**mg/L**	**1**	5.0	2.6	8/30/2018 08:48	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:11	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157020** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/22/18 13:51

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**155.4**		**umhos/cm**	**1**			8/22/2018 13:51	....
Dissolved Oxygen	**0.29**		**mg/L**	**1**			8/22/2018 13:51	....
ORP-2580BW	**-16.8**		**mV**	**1**			8/22/2018 13:51	....
Temperature	**25.8**		**°C**	**1**			8/22/2018 13:51	....
Turbidity	**1.24**		**NTU**	**1**			8/22/2018 13:51	....
pH	**5.63**		**SU**	**1**			8/22/2018 13:51	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 18:41	T
Iron	**310**		**ug/L**	**1**	100	21	9/4/2018 18:41	T
Sodium	**3.2**		**mg/L**	**1**	0.20	0.17	9/4/2018 18:41	T
Zinc	**9.0**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 18:41	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.20**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 19:10	J
Arsenic	**1.0**		**ug/L**	**1**	1.0	0.077	8/31/2018 19:10	J
Barium	**6.2**		**ug/L**	**1**	0.60	0.24	8/31/2018 19:10	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 19:10	J
Chromium	**0.96**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 19:10	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 19:10	J
Copper	**0.59**	**I**	**ug/L**	**1**	0.70	0.35	8/31/2018 19:10	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 19:10	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 19:10	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 19:10	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 19:10	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 19:10	J
Vanadium	**2.0**	**I**	**ug/L**	**1**	2.0	0.71	8/31/2018 19:10	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:55	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157020** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/22/18 13:51

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/24/2018 06:09	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/24/2018 06:09	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:09	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/24/2018 06:09	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/24/2018 06:09	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/24/2018 06:09	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/24/2018 06:09	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/24/2018 06:09	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:09	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 06:09	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 06:09	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/24/2018 06:09	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/24/2018 06:09	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/24/2018 06:09	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 06:09	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/24/2018 06:09	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:09	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/24/2018 06:09	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:09	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/24/2018 06:09	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 06:09	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/24/2018 06:09	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:09	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/24/2018 06:09	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/24/2018 06:09	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/24/2018 06:09	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/24/2018 06:09	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 06:09	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 06:09	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/24/2018 06:09	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/24/2018 06:09	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 06:09	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 06:09	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:09	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/24/2018 06:09	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:09	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 06:09	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157020** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/22/18 13:51

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 06:09	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:09	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/24/2018 06:09	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/24/2018 06:09	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:09	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/24/2018 06:09	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:09	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/24/2018 06:09	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-128		8/24/2018 06:09	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/24/2018 06:09	
Bromofluorobenzene (S)	**85**	**J4**	**%**	**1**	86-123		8/24/2018 06:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 06:09	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 06:09	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/24/2018 06:09	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/24/2018 06:09	
Bromofluorobenzene (S)	**86**		**%**	**1**	70-130		8/24/2018 06:09	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.13**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**150**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.0**	**I**	**mg/L**	**1**	5.0	2.6	8/30/2018 10:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:12	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157021** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/22/18 14:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**180.4**		**umhos/cm**	**1**			8/22/2018 14:17	....
Dissolved Oxygen	**0.66**		**mg/L**	**1**			8/22/2018 14:17	....
ORP-2580BW	**68.1**		**mV**	**1**			8/22/2018 14:17	....
Temperature	**27.1**		**°C**	**1**			8/22/2018 14:17	....
Turbidity	**2.5**		**NTU**	**1**			8/22/2018 14:17	....
pH	**5.84**		**SU**	**1**			8/22/2018 14:17	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 18:53	T
Iron	**36**	**I**	**ug/L**	**1**	100	21	9/4/2018 18:53	T
Sodium	**3.1**		**mg/L**	**1**	0.20	0.17	9/4/2018 18:53	T
Zinc	**12**		**ug/L**	**1**	10	7.4	9/4/2018 18:53	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**2.8**		**ug/L**	**1**	0.70	0.11	8/31/2018 19:14	J
Arsenic	**0.69**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 19:14	J
Barium	**4.7**		**ug/L**	**1**	0.60	0.24	8/31/2018 19:14	J
Cadmium	**0.45**	**I**	**ug/L**	**1**	0.50	0.064	8/31/2018 19:14	J
Chromium	**0.90**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 19:14	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 19:14	J
Copper	**2.3**		**ug/L**	**1**	0.70	0.35	8/31/2018 19:14	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 19:14	J
Nickel	**0.98**	**I**	**ug/L**	**1**	2.0	0.98	8/31/2018 19:14	J
Selenium	**1.3**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 19:14	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 19:14	J
Thallium	**0.11**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 19:14	J
Vanadium	**74**		**ug/L**	**1**	2.0	0.71	8/31/2018 19:14	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 14:57	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157021** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/22/18 14:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/24/2018 06:36	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/24/2018 06:36	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:36	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/24/2018 06:36	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/24/2018 06:36	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/24/2018 06:36	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/24/2018 06:36	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/24/2018 06:36	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:36	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 06:36	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 06:36	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/24/2018 06:36	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/24/2018 06:36	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/24/2018 06:36	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 06:36	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/24/2018 06:36	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:36	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/24/2018 06:36	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:36	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/24/2018 06:36	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/24/2018 06:36	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/24/2018 06:36	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:36	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/24/2018 06:36	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/24/2018 06:36	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/24/2018 06:36	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/24/2018 06:36	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 06:36	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/24/2018 06:36	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/24/2018 06:36	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/24/2018 06:36	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/24/2018 06:36	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 06:36	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:36	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/24/2018 06:36	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/24/2018 06:36	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/24/2018 06:36	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157021** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/22/18 14:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/24/2018 06:36	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:36	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/24/2018 06:36	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/24/2018 06:36	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:36	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/24/2018 06:36	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/24/2018 06:36	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/24/2018 06:36	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-128		8/24/2018 06:36	
Toluene-d8 (S)	**92**		**%**	**1**	77-119		8/24/2018 06:36	
Bromofluorobenzene (S)	**87**		**%**	**1**	86-123		8/24/2018 06:36	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 06:36	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/24/2018 06:36	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/24/2018 06:36	
Toluene-d8 (S)	**92**		**%**	**1**	70-130		8/24/2018 06:36	
Bromofluorobenzene (S)	**85**		**%**	**1**	70-130		8/24/2018 06:36	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**U**	**mg/L**	**1**	0.10	0.025	9/4/2018 15:43	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1**	10	10	8/29/2018 11:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**4.0**	**I**	**mg/L**	**1**	5.0	2.6	8/30/2018 10:02	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/23/2018 10:13	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157022** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/22/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/23/2018 17:32	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/23/2018 17:32	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:32	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/23/2018 17:32	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/23/2018 17:32	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/23/2018 17:32	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/23/2018 17:32	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/23/2018 17:32	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:32	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 17:32	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 17:32	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/23/2018 17:32	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/23/2018 17:32	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/23/2018 17:32	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 17:32	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/23/2018 17:32	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:32	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/23/2018 17:32	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:32	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/23/2018 17:32	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/23/2018 17:32	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/23/2018 17:32	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:32	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/23/2018 17:32	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2018 17:32	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/23/2018 17:32	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/23/2018 17:32	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 17:32	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/23/2018 17:32	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/23/2018 17:32	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/23/2018 17:32	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/23/2018 17:32	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 17:32	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:32	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/23/2018 17:32	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/23/2018 17:32	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157022** Date Received: 08/22/18 15:08 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/22/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/23/2018 17:32	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/23/2018 17:32	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:32	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/23/2018 17:32	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/23/2018 17:32	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:32	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/23/2018 17:32	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/23/2018 17:32	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/23/2018 17:32	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-128		8/23/2018 17:32	
Toluene-d8 (S)	**93**		**%**	**1**	77-119		8/23/2018 17:32	
Bromofluorobenzene (S)	**81**	**J4**	**%**	**1**	86-123		8/23/2018 17:32	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 17:32	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/23/2018 17:32	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		8/23/2018 17:32	
Toluene-d8 (S)	**92**		**%**	**1**	70-130		8/23/2018 17:32	
Bromofluorobenzene (S)	**79**		**%**	**1**	70-130		8/23/2018 17:32	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157023** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/23/18 09:31

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**1267**		**umhos/cm**	**1**			8/23/2018 09:31	....
Dissolved Oxygen	**0.06**		**mg/L**	**1**			8/23/2018 09:31	....
ORP-2580BW	**-75.6**		**mV**	**1**			8/23/2018 09:31	....
Temperature	**25.1**		**°C**	**1**			8/23/2018 09:31	....
Turbidity	**37.7**		**NTU**	**1**			8/23/2018 09:31	....
pH	**6.16**		**SU**	**1**			8/23/2018 09:31	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 18:57	T
Iron	**60000**		**ug/L**	**1**	100	21	9/4/2018 18:57	T
Sodium	**43**		**mg/L**	**1**	0.20	0.17	9/4/2018 18:57	T
Zinc	**9.4**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 18:57	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**1.5**		**ug/L**	**1**	0.70	0.11	8/31/2018 19:56	J
Arsenic	**6.9**		**ug/L**	**1**	1.0	0.077	8/31/2018 19:56	J
Barium	**23**		**ug/L**	**1**	0.60	0.24	8/31/2018 19:56	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 19:56	J
Chromium	**1.3**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 19:56	J
Cobalt	**0.32**	**I**	**ug/L**	**1**	0.50	0.19	8/31/2018 19:56	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 19:56	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 19:56	J
Nickel	**1.5**	**I**	**ug/L**	**1**	2.0	0.98	8/31/2018 19:56	J
Selenium	**0.59**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 19:56	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 19:56	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 19:56	J
Vanadium	**23**		**ug/L**	**1**	2.0	0.71	8/31/2018 19:56	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:00	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157023** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/23/18 09:31

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.30**		**mg/L**	**1**	0.20	0.18	8/24/2018 15:55	T
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2018 22:12	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/28/2018 22:12	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:12	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2018 22:12	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/28/2018 22:12	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/28/2018 22:12	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/28/2018 22:12	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/28/2018 22:12	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:12	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 22:12	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 22:12	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2018 22:12	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/28/2018 22:12	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/28/2018 22:12	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 22:12	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2018 22:12	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:12	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/28/2018 22:12	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:12	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/28/2018 22:12	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 22:12	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2018 22:12	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:12	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/28/2018 22:12	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2018 22:12	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/28/2018 22:12	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/28/2018 22:12	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 22:12	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 22:12	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/28/2018 22:12	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/28/2018 22:12	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 22:12	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 22:12	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:12	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157023** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/23/18 09:31

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2018 22:12	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:12	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 22:12	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 22:12	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:12	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/28/2018 22:12	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2018 22:12	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:12	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/28/2018 22:12	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:12	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/28/2018 22:12	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		8/28/2018 22:12	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		8/28/2018 22:12	
Bromofluorobenzene (S)	**102**		**%**	**1**	86-123		8/28/2018 22:12	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 22:12	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 22:12	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-130		8/28/2018 22:12	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/28/2018 22:12	
Bromofluorobenzene (S)	**111**		**%**	**1**	70-130		8/28/2018 22:12	
VOLATILES								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.7**		**mg/L**	**1**	0.10	0.025	9/4/2018 15:56	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**810**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**180**		**mg/L**	**5**	25	13	8/30/2018 10:03	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157024** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/23/18 11:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**205.8**		**umhos/cm**	**1**			8/23/2018 11:22	....
Dissolved Oxygen	**1.57**		**mg/L**	**1**			8/23/2018 11:22	....
ORP-2580BW	**-82.5**		**mV**	**1**			8/23/2018 11:22	....
Temperature	**28.4**		**°C**	**1**			8/23/2018 11:22	....
Turbidity	**36.2**		**NTU**	**1**			8/23/2018 11:22	....
pH	**5.49**		**SU**	**1**			8/23/2018 11:22	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:01	T
Iron	**490**		**ug/L**	**1**	100	21	9/4/2018 19:01	T
Sodium	**7.1**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:01	T
Zinc	**9.6**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 19:01	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.69**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:01	J
Arsenic	**2.0**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:01	J
Barium	**14**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:01	J
Cadmium	**0.23**	**I**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:01	J
Chromium	**5.4**		**ug/L**	**1**	2.0	0.11	8/31/2018 20:01	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 20:01	J
Copper	**5.0**		**ug/L**	**1**	0.70	0.35	8/31/2018 20:01	J
Lead	**1.1**		**ug/L**	**1**	0.70	0.24	8/31/2018 20:01	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 20:01	J
Selenium	**2.7**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:01	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:01	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 20:01	J
Vanadium	**4.2**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:01	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:02	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157024** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/23/18 11:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 05:09	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 05:09	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:09	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 05:09	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 05:09	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 05:09	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 05:09	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 05:09	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:09	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 05:09	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 05:09	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 05:09	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 05:09	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 05:09	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 05:09	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 05:09	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:09	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 05:09	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:09	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 05:09	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 05:09	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 05:09	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:09	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 05:09	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 05:09	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 05:09	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 05:09	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 05:09	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 05:09	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 05:09	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 05:09	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 05:09	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 05:09	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:09	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 05:09	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:09	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 05:09	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157024** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/23/18 11:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 05:09	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:09	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 05:09	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 05:09	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:09	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 05:09	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:09	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 05:09	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/29/2018 05:09	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		8/29/2018 05:09	
Bromofluorobenzene (S)	**98**		**%**	**1**	86-123		8/29/2018 05:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 05:09	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 05:09	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/29/2018 05:09	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 05:09	
Bromofluorobenzene (S)	**109**		**%**	**1**	70-130		8/29/2018 05:09	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.37**	**U**	**mg/L**	**15**	1.5	0.37	9/4/2018 15:57	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**190**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**11**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:03	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 15:58	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157025** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/23/18 11:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**173.7**		**umhos/cm**	**1**			8/23/2018 11:53	....
Dissolved Oxygen	**0.38**		**mg/L**	**1**			8/23/2018 11:53	....
ORP-2580BW	**78.3**		**mV**	**1**			8/23/2018 11:53	....
Temperature	**27.3**		**°C**	**1**			8/23/2018 11:53	....
Turbidity	**67.5**		**NTU**	**1**			8/23/2018 11:53	....
pH	**5.25**		**SU**	**1**			8/23/2018 11:53	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:05	T
Iron	**340**		**ug/L**	**1**	100	21	9/4/2018 19:05	T
Sodium	**5.9**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:05	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	9/4/2018 19:05	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**1.9**		**ug/L**	**1**	0.70	0.11	8/31/2018 20:07	J
Arsenic	**0.86**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 20:07	J
Barium	**120**		**ug/L**	**5**	3.0	1.2	9/7/2018 11:29	J
Cadmium	**1.2**		**ug/L**	**1**	0.50	0.064	8/31/2018 20:07	J
Chromium	**6.2**		**ug/L**	**1**	2.0	0.11	8/31/2018 20:07	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 20:07	J
Copper	**3.5**		**ug/L**	**1**	0.70	0.35	8/31/2018 20:07	J
Lead	**5.0**		**ug/L**	**1**	0.70	0.24	8/31/2018 20:07	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 20:07	J
Selenium	**3.3**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:07	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:07	J
Thallium	**0.082**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 20:07	J
Vanadium	**38**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:07	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:05	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157025** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/23/18 11:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2018 22:38	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/28/2018 22:38	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:38	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2018 22:38	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/28/2018 22:38	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/28/2018 22:38	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/28/2018 22:38	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/28/2018 22:38	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:38	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 22:38	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 22:38	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2018 22:38	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/28/2018 22:38	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/28/2018 22:38	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 22:38	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2018 22:38	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:38	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/28/2018 22:38	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:38	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/28/2018 22:38	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 22:38	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2018 22:38	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:38	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/28/2018 22:38	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2018 22:38	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/28/2018 22:38	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/28/2018 22:38	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 22:38	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 22:38	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/28/2018 22:38	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/28/2018 22:38	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 22:38	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 22:38	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:38	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2018 22:38	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 22:38	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 22:38	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157025** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/23/18 11:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 22:38	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:38	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/28/2018 22:38	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2018 22:38	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:38	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/28/2018 22:38	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 22:38	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/28/2018 22:38	T
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	70-128		8/28/2018 22:38	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		8/28/2018 22:38	
Bromofluorobenzene (S)	**103**		**%**	**1**	86-123		8/28/2018 22:38	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 22:38	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 22:38	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/28/2018 22:38	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/28/2018 22:38	
Bromofluorobenzene (S)	**109**		**%**	**1**	70-130		8/28/2018 22:38	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**U**	**mg/L**	**1**	0.10	0.025	9/6/2018 16:38	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**120**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.1**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:04	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 15:59	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157026** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/23/18 12:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**226.7**		**umhos/cm**	**1**			8/23/2018 12:17	....
Dissolved Oxygen	**0.33**		**mg/L**	**1**			8/23/2018 12:17	....
ORP-2580BW	**-162.5**		**mV**	**1**			8/23/2018 12:17	....
Temperature	**25.6**		**°C**	**1**			8/23/2018 12:17	....
Turbidity	**3.2**		**NTU**	**1**			8/23/2018 12:17	....
pH	**5.56**		**SU**	**1**			8/23/2018 12:17	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:09	T
Iron	**1800**		**ug/L**	**1**	100	21	9/4/2018 19:09	T
Sodium	**11**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:09	T
Zinc	**11**		**ug/L**	**1**	10	7.4	9/4/2018 19:09	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.18**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:12	J
Arsenic	**15**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:12	J
Barium	**1.2**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:12	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:12	J
Chromium	**1.9**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 20:12	J
Cobalt	**1.0**		**ug/L**	**1**	0.50	0.19	8/31/2018 20:12	J
Copper	**0.37**	**I**	**ug/L**	**1**	0.70	0.35	8/31/2018 20:12	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:12	J
Nickel	**1.2**	**I**	**ug/L**	**1**	2.0	0.98	8/31/2018 20:12	J
Selenium	**1.1**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:12	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:12	J
Thallium	**0.24**		**ug/L**	**1**	0.20	0.057	8/31/2018 20:12	J
Vanadium	**2.9**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:12	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:29	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157026** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/23/18 12:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 05:35	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 05:35	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:35	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 05:35	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 05:35	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 05:35	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 05:35	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 05:35	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:35	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 05:35	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 05:35	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 05:35	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 05:35	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 05:35	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 05:35	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 05:35	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:35	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 05:35	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:35	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 05:35	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 05:35	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 05:35	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:35	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 05:35	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 05:35	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 05:35	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 05:35	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 05:35	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 05:35	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 05:35	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 05:35	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 05:35	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 05:35	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:35	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 05:35	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 05:35	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 05:35	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157026** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/23/18 12:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 05:35	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:35	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 05:35	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 05:35	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:35	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 05:35	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 05:35	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 05:35	T
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	70-128		8/29/2018 05:35	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 05:35	
Bromofluorobenzene (S)	**101**		**%**	**1**	86-123		8/29/2018 05:35	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 05:35	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 05:35	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/29/2018 05:35	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 05:35	
Bromofluorobenzene (S)	**108**		**%**	**1**	70-130		8/29/2018 05:35	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.87**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**12**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:05	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:00	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157027** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/23/18 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**279.8**		**umhos/cm**	**1**			8/23/2018 12:44	....
Dissolved Oxygen	**0.21**		**mg/L**	**1**			8/23/2018 12:44	....
ORP-2580BW	**-184.8**		**mV**	**1**			8/23/2018 12:44	....
Temperature	**28.2**		**°C**	**1**			8/23/2018 12:44	....
Turbidity	**1.02**		**NTU**	**1**			8/23/2018 12:44	....
pH	**6.05**		**SU**	**1**			8/23/2018 12:44	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:13	T
Iron	**1500**		**ug/L**	**1**	100	21	9/4/2018 19:13	T
Sodium	**6.9**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:13	T
Zinc	**9.1**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 19:13	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.71**		**ug/L**	**1**	0.70	0.11	8/31/2018 20:16	J
Arsenic	**2.6**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:16	J
Barium	**3.3**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:16	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:16	J
Chromium	**0.57**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 20:16	J
Cobalt	**1.2**		**ug/L**	**1**	0.50	0.19	8/31/2018 20:16	J
Copper	**0.99**		**ug/L**	**1**	0.70	0.35	8/31/2018 20:16	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:16	J
Nickel	**2.3**		**ug/L**	**1**	2.0	0.98	8/31/2018 20:16	J
Selenium	**0.59**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:16	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:16	J
Thallium	**0.15**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 20:16	J
Vanadium	**7.0**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:16	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:31	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157027** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/23/18 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 06:01	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 06:01	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:01	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 06:01	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 06:01	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 06:01	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 06:01	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 06:01	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:01	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:01	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:01	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 06:01	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 06:01	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 06:01	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:01	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 06:01	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:01	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 06:01	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:01	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 06:01	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:01	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 06:01	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:01	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 06:01	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 06:01	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 06:01	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 06:01	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:01	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:01	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 06:01	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 06:01	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:01	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:01	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:01	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 06:01	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:01	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:01	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157027** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/23/18 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:01	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:01	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 06:01	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 06:01	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:01	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 06:01	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:01	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 06:01	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/29/2018 06:01	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 06:01	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/29/2018 06:01	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:01	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:01	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		8/29/2018 06:01	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 06:01	
Bromofluorobenzene (S)	**105**		**%**	**1**	70-130		8/29/2018 06:01	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.58**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.4**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:05	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:03	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157028** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/23/18 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**320.6**		**umhos/cm**	**1**			8/23/2018 13:08	....
Dissolved Oxygen	**0.09**		**mg/L**	**1**			8/23/2018 13:08	....
ORP-2580BW	**-119.1**		**mV**	**1**			8/23/2018 13:08	....
Temperature	**26.4**		**°C**	**1**			8/23/2018 13:08	....
Turbidity	**0.89**		**NTU**	**1**			8/23/2018 13:08	....
pH	**5.92**		**SU**	**1**			8/23/2018 13:08	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:17	T
Iron	**2800**		**ug/L**	**1**	100	21	9/4/2018 19:17	T
Sodium	**8.2**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:17	T
Zinc	**9.6**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 19:17	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.18**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:21	J
Arsenic	**3.5**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:21	J
Barium	**1.6**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:21	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:21	J
Chromium	**0.78**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 20:21	J
Cobalt	**0.27**	**I**	**ug/L**	**1**	0.50	0.19	8/31/2018 20:21	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 20:21	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:21	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 20:21	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:21	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:21	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 20:21	J
Vanadium	**1.6**	**I**	**ug/L**	**1**	2.0	0.71	8/31/2018 20:21	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:34	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157028** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/23/18 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 06:27	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 06:27	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:27	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 06:27	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 06:27	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 06:27	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 06:27	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 06:27	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:27	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:27	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:27	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 06:27	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 06:27	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 06:27	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:27	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 06:27	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:27	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 06:27	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:27	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 06:27	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:27	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 06:27	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:27	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 06:27	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 06:27	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 06:27	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 06:27	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:27	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:27	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 06:27	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 06:27	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:27	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:27	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:27	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 06:27	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:27	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:27	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157028** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/23/18 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:27	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:27	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 06:27	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 06:27	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:27	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 06:27	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:27	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 06:27	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/29/2018 06:27	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/29/2018 06:27	
Bromofluorobenzene (S)	**98**		**%**	**1**	86-123		8/29/2018 06:27	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:27	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:27	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/29/2018 06:27	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/29/2018 06:27	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/29/2018 06:27	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.68**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:40	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**14**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:06	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:04	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157029** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/23/18 13:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**174.5**		**umhos/cm**	**1**			8/23/2018 13:34	....
Dissolved Oxygen	**0.15**		**mg/L**	**1**			8/23/2018 13:34	....
ORP-2580BW	**-88.4**		**mV**	**1**			8/23/2018 13:34	....
Temperature	**28.1**		**°C**	**1**			8/23/2018 13:34	....
Turbidity	**3.22**		**NTU**	**1**			8/23/2018 13:34	....
pH	**6.48**		**SU**	**1**			8/23/2018 13:34	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:38	T
Iron	**3500**		**ug/L**	**1**	100	21	9/4/2018 19:38	T
Sodium	**2.4**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:38	T
Zinc	**23**		**ug/L**	**1**	10	7.4	9/4/2018 19:38	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.70**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:24	J
Arsenic	**5.5**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:24	J
Barium	**3.6**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:24	J
Cadmium	**0.13**	**I**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:24	J
Chromium	**0.75**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 20:24	J
Cobalt	**4.1**		**ug/L**	**1**	0.50	0.19	8/31/2018 20:24	J
Copper	**1.1**		**ug/L**	**1**	0.70	0.35	8/31/2018 20:24	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:24	J
Nickel	**6.6**		**ug/L**	**1**	2.0	0.98	8/31/2018 20:24	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:24	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:24	J
Thallium	**0.39**		**ug/L**	**1**	0.20	0.057	8/31/2018 20:24	J
Vanadium	**5.7**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:24	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/4/2018 15:35	T
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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157029** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/23/18 13:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 06:53	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 06:53	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:53	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 06:53	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 06:53	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 06:53	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 06:53	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 06:53	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:53	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:53	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:53	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 06:53	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 06:53	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 06:53	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:53	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 06:53	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:53	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 06:53	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:53	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 06:53	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 06:53	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 06:53	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:53	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 06:53	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 06:53	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 06:53	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 06:53	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:53	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 06:53	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 06:53	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 06:53	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 06:53	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:53	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:53	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 06:53	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 06:53	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 06:53	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157029** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/23/18 13:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 06:53	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:53	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 06:53	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 06:53	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:53	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 06:53	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 06:53	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 06:53	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/29/2018 06:53	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 06:53	
Bromofluorobenzene (S)	**98**		**%**	**1**	86-123		8/29/2018 06:53	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:53	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 06:53	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/29/2018 06:53	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 06:53	
Bromofluorobenzene (S)	**111**		**%**	**1**	70-130		8/29/2018 06:53	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.31**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:42	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**110**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.3**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:07	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:05	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157030** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/23/18 14:19

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**180.9**		**umhos/cm**	**1**			8/23/2018 14:19	....
Dissolved Oxygen	**0.1**		**mg/L**	**1**			8/23/2018 14:19	....
ORP-2580BW	**-2.8**		**mV**	**1**			8/23/2018 14:19	....
Temperature	**24.4**		**°C**	**1**			8/23/2018 14:19	....
Turbidity	**17.6**		**NTU**	**1**			8/23/2018 14:19	....
pH	**4.52**		**SU**	**1**			8/23/2018 14:19	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:43	T
Iron	**460**		**ug/L**	**1**	100	21	9/4/2018 19:43	T
Sodium	**2.9**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:43	T
Zinc	**10**	**I**	**ug/L**	**1**	10	7.4	9/4/2018 19:43	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:30	J
Arsenic	**0.36**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 20:30	J
Barium	**44**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:30	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:30	J
Chromium	**4.0**		**ug/L**	**1**	2.0	0.11	8/31/2018 20:30	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 20:30	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 20:30	J
Lead	**0.41**	**I**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:30	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 20:30	J
Selenium	**0.59**	**I**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:30	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:30	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 20:30	J
Vanadium	**2.5**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:30	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/11/2018 11:54	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157030** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/23/18 14:19

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 07:19	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 07:19	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:19	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 07:19	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 07:19	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 07:19	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 07:19	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 07:19	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:19	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 07:19	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 07:19	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 07:19	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 07:19	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 07:19	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 07:19	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 07:19	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:19	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 07:19	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:19	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 07:19	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 07:19	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 07:19	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:19	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 07:19	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 07:19	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 07:19	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 07:19	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 07:19	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 07:19	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 07:19	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 07:19	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 07:19	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 07:19	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:19	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 07:19	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:19	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 07:19	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157030** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/23/18 14:19

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 07:19	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:19	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 07:19	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 07:19	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:19	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 07:19	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:19	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 07:19	T
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	70-128		8/29/2018 07:19	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 07:19	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		8/29/2018 07:19	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 07:19	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 07:19	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/29/2018 07:19	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 07:19	
Bromofluorobenzene (S)	**109**		**%**	**1**	70-130		8/29/2018 07:19	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.23**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:43	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**110**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**6.8**		**mg/L**	**1**	5.0	2.6	8/30/2018 10:07	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:06	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157031** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/23/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/4/2018 19:46	T
Iron	**3400**		**ug/L**	**1**	100	21	9/4/2018 19:46	T
Sodium	**2.4**		**mg/L**	**1**	0.20	0.17	9/4/2018 19:46	T
Zinc	**25**		**ug/L**	**1**	10	7.4	9/4/2018 19:46	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.66**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 20:33	J
Arsenic	**5.4**		**ug/L**	**1**	1.0	0.077	8/31/2018 20:33	J
Barium	**3.6**		**ug/L**	**1**	0.60	0.24	8/31/2018 20:33	J
Cadmium	**0.13**	**I**	**ug/L**	**1**	0.50	0.064	8/31/2018 20:33	J
Chromium	**0.93**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 20:33	J
Cobalt	**4.0**		**ug/L**	**1**	0.50	0.19	8/31/2018 20:33	J
Copper	**1.1**		**ug/L**	**1**	0.70	0.35	8/31/2018 20:33	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 20:33	J
Nickel	**6.6**		**ug/L**	**1**	2.0	0.98	8/31/2018 20:33	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 20:33	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 20:33	J
Thallium	**0.38**		**ug/L**	**1**	0.20	0.057	8/31/2018 20:33	J
Vanadium	**5.7**		**ug/L**	**1**	2.0	0.71	8/31/2018 20:33	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/11/2018 12:06	T
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 07:45	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 07:45	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:45	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 07:45	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 07:45	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 07:45	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 07:45	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157031** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/23/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 07:45	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:45	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 07:45	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 07:45	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 07:45	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 07:45	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 07:45	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 07:45	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 07:45	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:45	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 07:45	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:45	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 07:45	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 07:45	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 07:45	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:45	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 07:45	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 07:45	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 07:45	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 07:45	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 07:45	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 07:45	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 07:45	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 07:45	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 07:45	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 07:45	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:45	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 07:45	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 07:45	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 07:45	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 07:45	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:45	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 07:45	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 07:45	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:45	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 07:45	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 07:45	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 07:45	T
1,2-Dichloroethane-d4 (S)	**117**		**%**	**1**	70-128		8/29/2018 07:45	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 07:45	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157031** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/23/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**102**		**%**	**1**	86-123		8/29/2018 07:45	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 07:45	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 07:45	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/29/2018 07:45	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 07:45	
Bromofluorobenzene (S)	**109**		**%**	**1**	70-130		8/29/2018 07:45	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.29**		**mg/L**	**1**	0.10	0.025	9/6/2018 16:44	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**100**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.2**		**mg/L**	**1**	5.0	2.6	9/7/2018 12:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:07	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157032** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/23/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2018 18:44	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/28/2018 18:44	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 18:44	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2018 18:44	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/28/2018 18:44	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/28/2018 18:44	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/28/2018 18:44	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/28/2018 18:44	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 18:44	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 18:44	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 18:44	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2018 18:44	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/28/2018 18:44	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/28/2018 18:44	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 18:44	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2018 18:44	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 18:44	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/28/2018 18:44	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 18:44	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/28/2018 18:44	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 18:44	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2018 18:44	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 18:44	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/28/2018 18:44	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2018 18:44	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/28/2018 18:44	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/28/2018 18:44	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 18:44	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 18:44	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/28/2018 18:44	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/28/2018 18:44	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 18:44	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 18:44	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 18:44	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2018 18:44	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 18:44	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157032** Date Received: 08/23/18 15:07 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/23/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 18:44	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 18:44	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 18:44	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/28/2018 18:44	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2018 18:44	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 18:44	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/28/2018 18:44	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 18:44	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/28/2018 18:44	T
1,2-Dichloroethane-d4 (S)	**117**		**%**	**1**	70-128		8/28/2018 18:44	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		8/28/2018 18:44	
Bromofluorobenzene (S)	**95**		**%**	**1**	86-123		8/28/2018 18:44	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 18:44	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 18:44	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/28/2018 18:44	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/28/2018 18:44	
Bromofluorobenzene (S)	**106**		**%**	**1**	70-130		8/28/2018 18:44	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157033** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Barnes** Date Collected: 08/24/18 10:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**396.6**		**umhos/cm**	**1**			8/24/2018 10:20	....
Dissolved Oxygen	**0.49**		**mg/L**	**1**			8/24/2018 10:20	....
ORP-2580BW	**10.9**		**mV**	**1**			8/24/2018 10:20	....
Temperature	**23.7**		**°C**	**1**			8/24/2018 10:20	....
Turbidity	**0.39**		**NTU**	**1**			8/24/2018 10:20	....
pH	**7.36**		**SU**	**1**			8/24/2018 10:20	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/7/2018 20:09	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	9/7/2018 20:09	T
Sodium	**16**		**mg/L**	**1**	0.20	0.17	9/7/2018 20:09	T
Zinc	**75**		**ug/L**	**1**	10	7.4	9/7/2018 20:09	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.14**	**I**	**ug/L**	**1**	0.70	0.11	8/31/2018 21:10	J
Arsenic	**0.36**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 21:10	J
Barium	**4.9**		**ug/L**	**1**	0.60	0.24	8/31/2018 21:10	J
Cadmium	**0.092**	**I**	**ug/L**	**1**	0.50	0.064	8/31/2018 21:10	J
Chromium	**0.17**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 21:10	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 21:10	J
Copper	**0.91**		**ug/L**	**1**	0.70	0.35	8/31/2018 21:10	J
Lead	**1.3**		**ug/L**	**1**	0.70	0.24	8/31/2018 21:10	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 21:10	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 21:10	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 21:10	J
Thallium	**0.067**	**I**	**ug/L**	**1**	0.20	0.057	8/31/2018 21:10	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 21:10	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/11/2018 12:08	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157033** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Barnes** Date Collected: 08/24/18 10:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 08:11	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 08:11	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:11	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 08:11	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 08:11	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 08:11	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 08:11	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 08:11	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:11	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 08:11	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 08:11	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 08:11	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 08:11	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 08:11	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 08:11	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 08:11	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:11	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 08:11	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:11	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 08:11	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 08:11	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 08:11	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:11	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 08:11	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 08:11	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 08:11	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 08:11	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 08:11	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 08:11	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 08:11	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 08:11	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 08:11	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 08:11	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:11	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 08:11	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:11	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 08:11	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157033** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Barnes** Date Collected: 08/24/18 10:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 08:11	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:11	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 08:11	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 08:11	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:11	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 08:11	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:11	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 08:11	T
1,2-Dichloroethane-d4 (S)	**117**		**%**	**1**	70-128		8/29/2018 08:11	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/29/2018 08:11	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		8/29/2018 08:11	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 08:11	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 08:11	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/29/2018 08:11	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/29/2018 08:11	
Bromofluorobenzene (S)	**107**		**%**	**1**	70-130		8/29/2018 08:11	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.09**	**I**	**mg/L**	**1**	0.10	0.025	9/7/2018 14:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**210**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.6**		**mg/L**	**1**	5.0	2.6	9/7/2018 12:12	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:13	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157034** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Holland** Date Collected: 08/24/18 10:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**432.3**		**umhos/cm**	**1**			8/24/2018 10:49	....
Dissolved Oxygen	**0.03**		**mg/L**	**1**			8/24/2018 10:49	....
ORP-2580BW	**-162.1**		**mV**	**1**			8/24/2018 10:49	....
Temperature	**24.3**		**°C**	**1**			8/24/2018 10:49	....
Turbidity	**0.37**		**NTU**	**1**			8/24/2018 10:49	....
pH	**7.12**		**SU**	**1**			8/24/2018 10:49	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/7/2018 20:34	T
Iron	**1400**		**ug/L**	**1**	100	21	9/7/2018 20:34	T
Sodium	**5.6**		**mg/L**	**1**	0.20	0.17	9/7/2018 20:34	T
Zinc	**92**		**ug/L**	**1**	10	7.4	9/7/2018 20:34	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 21:13	J
Arsenic	**0.26**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 21:13	J
Barium	**4.8**		**ug/L**	**1**	0.60	0.24	8/31/2018 21:13	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 21:13	J
Chromium	**0.15**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 21:13	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 21:13	J
Copper	**3.4**		**ug/L**	**1**	0.70	0.35	8/31/2018 21:13	J
Lead	**0.49**	**I**	**ug/L**	**1**	0.70	0.24	8/31/2018 21:13	J
Nickel	**6.8**		**ug/L**	**1**	2.0	0.98	8/31/2018 21:13	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 21:13	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 21:13	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 21:13	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 21:13	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/11/2018 12:11	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157034** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Holland** Date Collected: 08/24/18 10:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 08:37	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 08:37	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:37	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 08:37	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 08:37	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 08:37	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 08:37	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 08:37	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:37	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 08:37	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 08:37	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 08:37	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 08:37	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 08:37	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 08:37	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 08:37	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:37	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 08:37	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:37	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 08:37	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 08:37	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 08:37	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:37	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 08:37	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 08:37	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 08:37	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 08:37	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 08:37	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 08:37	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 08:37	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 08:37	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 08:37	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 08:37	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:37	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 08:37	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 08:37	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 08:37	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157034** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Holland** Date Collected: 08/24/18 10:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 08:37	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:37	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 08:37	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 08:37	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:37	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 08:37	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 08:37	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 08:37	T
1,2-Dichloroethane-d4 (S)	**118**		**%**	**1**	70-128		8/29/2018 08:37	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		8/29/2018 08:37	
Bromofluorobenzene (S)	**100**		**%**	**1**	86-123		8/29/2018 08:37	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 08:37	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 08:37	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/29/2018 08:37	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/29/2018 08:37	
Bromofluorobenzene (S)	**108**		**%**	**1**	70-130		8/29/2018 08:37	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.025**	**U**	**mg/L**	**1**	0.10	0.025	9/7/2018 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**270**		**mg/L**	**1**	10	10	8/30/2018 14:02	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**19**		**mg/L**	**1**	5.0	2.6	9/7/2018 12:15	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/24/2018 16:14	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157035** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/24/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2018 19:10	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/28/2018 19:10	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 19:10	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2018 19:10	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/28/2018 19:10	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/28/2018 19:10	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/28/2018 19:10	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/28/2018 19:10	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 19:10	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 19:10	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 19:10	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2018 19:10	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/28/2018 19:10	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/28/2018 19:10	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 19:10	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2018 19:10	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 19:10	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/28/2018 19:10	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 19:10	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/28/2018 19:10	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/28/2018 19:10	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2018 19:10	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 19:10	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/28/2018 19:10	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2018 19:10	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/28/2018 19:10	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/28/2018 19:10	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 19:10	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/28/2018 19:10	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/28/2018 19:10	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/28/2018 19:10	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/28/2018 19:10	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 19:10	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 19:10	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2018 19:10	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/28/2018 19:10	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157035** Date Received: 08/24/18 11:35 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/24/18 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/28/2018 19:10	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2018 19:10	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 19:10	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/28/2018 19:10	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2018 19:10	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 19:10	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/28/2018 19:10	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/28/2018 19:10	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/28/2018 19:10	T
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	70-128		8/28/2018 19:10	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/28/2018 19:10	
Bromofluorobenzene (S)	**94**		**%**	**1**	86-123		8/28/2018 19:10	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 19:10	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/28/2018 19:10	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/28/2018 19:10	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/28/2018 19:10	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/28/2018 19:10	

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157036** Date Received: 08/27/18 11:08 Matrix: Water

Sample ID: **Keene** Date Collected: 08/27/18 10:02

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**362.9**		**umhos/cm**	**1**			8/27/2018 10:02	....
Dissolved Oxygen	**0.06**		**mg/L**	**1**			8/27/2018 10:02	....
ORP-2580BW	**-73**		**mV**	**1**			8/27/2018 10:02	....
Temperature	**24.9**		**°C**	**1**			8/27/2018 10:02	....
Turbidity	**1.4**		**NTU**	**1**			8/27/2018 10:02	....
pH	**7.47**		**SU**	**1**			8/27/2018 10:02	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.18**	**U**	**ug/L**	**1**	0.60	0.18	9/7/2018 21:40	T
Iron	**22**	**I**	**ug/L**	**1**	100	21	9/7/2018 21:40	T
Sodium	**6.6**		**mg/L**	**1**	0.20	0.17	9/7/2018 21:40	T
Zinc	**39**	**V**	**ug/L**	**1**	10	7.4	9/7/2018 21:40	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/31/2018 21:17	J
Arsenic	**0.45**	**I**	**ug/L**	**1**	1.0	0.077	8/31/2018 21:17	J
Barium	**4.0**		**ug/L**	**1**	0.60	0.24	8/31/2018 21:17	J
Cadmium	**0.064**	**U**	**ug/L**	**1**	0.50	0.064	8/31/2018 21:17	J
Chromium	**0.15**	**I**	**ug/L**	**1**	2.0	0.11	8/31/2018 21:17	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/31/2018 21:17	J
Copper	**0.35**	**U**	**ug/L**	**1**	0.70	0.35	8/31/2018 21:17	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/31/2018 21:17	J
Nickel	**0.98**	**U**	**ug/L**	**1**	2.0	0.98	8/31/2018 21:17	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/31/2018 21:17	J
Silver	**0.068**	**U**	**ug/L**	**1**	0.50	0.068	8/31/2018 21:17	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/31/2018 21:17	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/31/2018 21:17	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	9/11/2018 12:14	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157036** Date Received: 08/27/18 11:08 Matrix: Water

Sample ID: **Keene** Date Collected: 08/27/18 10:02

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/29/2018 09:03	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/29/2018 09:03	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 09:03	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/29/2018 09:03	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/29/2018 09:03	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/29/2018 09:03	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/29/2018 09:03	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/29/2018 09:03	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 09:03	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 09:03	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 09:03	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/29/2018 09:03	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/29/2018 09:03	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/29/2018 09:03	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 09:03	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/29/2018 09:03	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 09:03	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/29/2018 09:03	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 09:03	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/29/2018 09:03	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/29/2018 09:03	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/29/2018 09:03	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 09:03	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/29/2018 09:03	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/29/2018 09:03	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/29/2018 09:03	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/29/2018 09:03	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 09:03	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/29/2018 09:03	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/29/2018 09:03	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/29/2018 09:03	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/29/2018 09:03	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 09:03	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 09:03	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/29/2018 09:03	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/29/2018 09:03	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/29/2018 09:03	T

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ANALYTICAL RESULTS

Workorder: T1814157 SELF Semi-Annual

Lab ID: **T1814157036** Date Received: 08/27/18 11:08 Matrix: Water

Sample ID: **Keene** Date Collected: 08/27/18 10:02

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/29/2018 09:03	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 09:03	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/29/2018 09:03	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/29/2018 09:03	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 09:03	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/29/2018 09:03	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/29/2018 09:03	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/29/2018 09:03	T
1,2-Dichloroethane-d4 (S)	**118**		**%**	**1**	70-128		8/29/2018 09:03	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		8/29/2018 09:03	
Bromofluorobenzene (S)	**98**		**%**	**1**	86-123		8/29/2018 09:03	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 09:03	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/29/2018 09:03	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/29/2018 09:03	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/29/2018 09:03	
Bromofluorobenzene (S)	**109**		**%**	**1**	70-130		8/29/2018 09:03	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.17**		**mg/L**	**1**	0.10	0.025	9/7/2018 14:53	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**220**		**mg/L**	**1**	10	10	8/31/2018 11:50	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	9/7/2018 12:15	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/27/2018 17:16	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1814157 SELF Semi-Annual

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.
[2]	Filter Date/Time: 8/22/18 13:26
B	Results based upon colony counts outside the acceptable range.
V	Method Blank Contamination
[1]	Filter Date/Time:8/21/18 14:00
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: T1814157 SELF Semi-Annual

QC Batch: WCAt/5536 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2813635

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2813636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	1.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2813637 2813638 Original: T1814114001

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	2.7	1	3.7	3.6	98	96	90-110	1	10	

QC Batch: WCAt/5552 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Prepared:
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2814310

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2814311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	170	87	84.6-115.4	

SAMPLE DUPLICATE: 2814312 Original: T1814146001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	2100	2200	5	20	

QC Batch: WCAt/5570 Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4 Prepared:

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2814971

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chemical Oxygen Demand	mg/L	24	24	U

LABORATORY CONTROL SAMPLE: 2814972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chemical Oxygen Demand	mg/L	500	500	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2814976 2814977 Original: T1814203001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chemical Oxygen Demand	mg/L	4000	5000	8800	8800	96	96	90-110	0	10	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

QC Batch: WCAt/5574 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1814157007

METHOD BLANK: 2815299

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2815300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2815301 2815302 Original: T1814231001

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	0.24	1	1.3	1.3	107	107	90-110	0	10	

QC Batch: DGMj/1994 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/22/2018 04:00
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2815366

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	ug/L	0.71	0.71	U
Chromium	ug/L	0.11	0.11	U
Cobalt	ug/L	0.19	0.19	U
Copper	ug/L	0.35	0.35	U
Arsenic	ug/L	0.077	0.077	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2815366

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.068	0.068	U
Cadmium	ug/L	0.064	0.064	U
Antimony	ug/L	0.11	0.11	U
Barium	ug/L	0.24	0.24	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Nickel	ug/L	0.98	0.98	U

LABORATORY CONTROL SAMPLE: 2815367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	92	92	80-120	
Chromium	ug/L	100	93	93	80-120	
Cobalt	ug/L	100	96	96	80-120	
Nickel	ug/L	100	96	96	80-120	
Copper	ug/L	100	97	97	80-120	
Arsenic	ug/L	100	99	99	80-120	
Selenium	ug/L	100	100	105	80-120	
Silver	ug/L	100	100	102	80-120	
Cadmium	ug/L	100	100	102	80-120	
Antimony	ug/L	100	98	98	80-120	
Barium	ug/L	100	99	99	80-120	
Thallium	ug/L	100	89	89	80-120	
Lead	ug/L	100	94	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2815368 2815369 Original: G1807417001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	0.14	100	95	95	95	95	75-125	0	20	
Chromium	ug/L	0.16	100	94	97	94	97	75-125	3	20	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2815368 2815369 Original: G1807417001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Cobalt	ug/L	0.019	100	94	95	94	95	75-125	0	20	
Nickel	ug/L	0.11	100	92	93	92	93	75-125	1	20	
Copper	ug/L	0.077	100	92	97	92	97	75-125	6	20	
Arsenic	ug/L	0.12	100	99	100	99	100	75-125	1	20	
Selenium	ug/L	0.092	100	93	92	93	92	75-125	0	20	
Silver	ug/L	0.011	100	100	99	100	99	75-125	0	20	
Cadmium	ug/L	0.0017	100	100	100	101	102	75-125	0	20	
Antimony	ug/L	0.1	100	84	99	84	99	75-125	17	20	
Barium	ug/L	18	100	120	120	103	101	75-125	2	20	
Thallium	ug/L	0.0063	100	93	92	93	92	75-125	0	20	
Lead	ug/L	0.0082	100	96	97	96	97	75-125	1	20	

QC Batch: WCAt/5581 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013

METHOD BLANK: 2815610

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2815611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2815612 2815613 Original: T1814246001

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	1	1.1	1.0	108	104	90-110	3	10	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

QC Batch: MSVt/2356 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 08/21/2018 12:00
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005, T1814157006

METHOD BLANK: 2816397

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Ethylene Dibromide (EDB)	ug/L	0.020	0.020	U
1,2-Dibromo-3-Chloropropane	ug/L	0.020	0.020	U
1,2-Dichloroethane-d4 (S)	%	106	70-130	
Toluene-d8 (S)	%	94	70-130	
Bromofluorobenzene (S)	%	85	70-130	

LABORATORY CONTROL SAMPLE: 2816398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.65	81	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.66	83	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
Toluene-d8 (S)	%			92	70-130	
Bromofluorobenzene (S)	%			88	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2816399 2816400 Original: T1814157002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.67	0.66	84	83	70-130	2	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.61	0.64	76	80	70-130	5	30	
1,2-Dichloroethane-d4 (S)	%	104				103	103	70-130	0		
Toluene-d8 (S)	%	93				95	95	70-130	0		
Bromofluorobenzene (S)	%	72				85	82	70-130	3		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

QC Batch: MSVt/2358 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/21/2018 12:00

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005, T1814157006

METHOD BLANK: 2816401

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.53	0.53	U
Vinyl Chloride	ug/L	0.20	0.20	U
Bromomethane	ug/L	0.97	0.97	U
Chloroethane	ug/L	0.38	0.38	U
Trichlorofluoromethane	ug/L	0.84	0.84	U
Acetone	ug/L	1.0	1.0	U
1,1-Dichloroethylene	ug/L	0.70	0.70	U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65	U
Acrylonitrile	ug/L	1.9	1.9	U
Methylene Chloride	ug/L	1.0	1.0	U
Carbon Disulfide	ug/L	0.49	0.49	U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	U
1,1-Dichloroethane	ug/L	0.86	0.86	U
Vinyl Acetate	ug/L	0.40	0.40	U
2-Butanone (MEK)	ug/L	0.59	0.59	U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51	U
Bromochloromethane	ug/L	0.33	0.33	U
Chloroform	ug/L	0.31	0.31	U
1,2-Dichloroethane	ug/L	0.60	0.60	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.60	0.60	U
Benzene	ug/L	0.20	0.20	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.60	0.60	U
Bromodichloromethane	ug/L	0.60	0.60	U
cis-1,3-Dichloropropene	ug/L	0.20	0.20	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.20	0.20	U
1,1,2-Trichloroethane	ug/L	0.46	0.46	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.40	0.40	U
Tetrachloroethylene (PCE)	ug/L	0.60	0.60	U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64	U
Chlorobenzene	ug/L	0.56	0.56	U
Ethylbenzene	ug/L	0.26	0.26	U
Bromoform	ug/L	0.88	0.88	U
Styrene	ug/L	0.84	0.84	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2816401

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,2,3-Trichloropropane	ug/L	0.58	0.58	U
1,4-Dichlorobenzene	ug/L	0.97	0.97	U
1,2-Dichlorobenzene	ug/L	0.63	0.63	U
trans-1,4-Dichloro-2-butene	ug/L	0.39	0.39	U
Xylene (Total)	ug/L	0.56	0.56	U
1,2-Dichloroethane-d4 (S)	%	107	70-128	
Toluene-d8 (S)	%	95	77-119	
Bromofluorobenzene (S)	%	87	86-123	

LABORATORY CONTROL SAMPLE: 2816402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Chloromethane	ug/L	20	23	115		
Vinyl Chloride	ug/L	20	22	109	70-130	
Bromomethane	ug/L	20	21	103		
Chloroethane	ug/L	20	21	104		
Trichlorofluoromethane	ug/L	20	20	98		
Acetone	ug/L	20	23	116		
1,1-Dichloroethylene	ug/L	20	21	104	70-130	
Iodomethane (Methyl Iodide)	ug/L	20	0.65	0		
Acrylonitrile	ug/L	20	20	102		
Methylene Chloride	ug/L	20	24	119		
Carbon Disulfide	ug/L	20	18	92		
trans-1,2-Dichloroethylene	ug/L	20	19	96		
1,1-Dichloroethane	ug/L	20	21	103		
Vinyl Acetate	ug/L	20	23	114		
2-Butanone (MEK)	ug/L	20	23	114		
cis-1,2-Dichloroethylene	ug/L	20	19	94	70-130	
Bromochloromethane	ug/L	20	23	116		
Chloroform	ug/L	20	19	94	70-130	
1,2-Dichloroethane	ug/L	20	20	100		
1,1,1-Trichloroethane	ug/L	20	19	94		
Carbon Tetrachloride	ug/L	20	19	94		
Benzene	ug/L	20	18	91	70-130	
Dibromomethane	ug/L	20	19	95		
1,2-Dichloropropane	ug/L	20	21	105		
Trichloroethene	ug/L	20	20	98	70-130	
Bromodichloromethane	ug/L	20	18	91		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2816402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	20	19	94		
4-Methyl-2-pentanone (MIBK)	ug/L	20	23	115		
trans-1,3-Dichloropropylene	ug/L	20	18	92		
1,1,2-Trichloroethane	ug/L	20	19	95		
Toluene	ug/L	20	18	89	70-130	
2-Hexanone	ug/L	20	22	109		
Dibromochloromethane	ug/L	20	18	89		
Tetrachloroethylene (PCE)	ug/L	20	19	97	70-130	
1,1,1,2-Tetrachloroethane	ug/L	20	19	96		
Chlorobenzene	ug/L	20	18	92	70-130	
Ethylbenzene	ug/L	20	18	89	70-130	
Bromoform	ug/L	20	17	83		
Styrene	ug/L	20	18	92		
1,1,2,2-Tetrachloroethane	ug/L	20	17	84		
1,2,3-Trichloropropane	ug/L	20	17	85		
1,4-Dichlorobenzene	ug/L	20	18	90		
1,2-Dichlorobenzene	ug/L	20	18	88	70-130	
Xylene (Total)	ug/L	60	53	88	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-128	
Toluene-d8 (S)	%			93	77-119	
Bromofluorobenzene (S)	%			89	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2816403 2816404 Original: T1814157004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Chloromethane	ug/L	0	20	25	21	123	103		17		
Vinyl Chloride	ug/L	0	20	23	19	114	93	70-130	20	20	
Bromomethane	ug/L	0	20	17	17	85	87		2		
Chloroethane	ug/L	0	20	22	18	109	88		21		
Trichlorofluoromethane	ug/L	0	20	20	17	100	85		16		
Acetone	ug/L			30	170				140		
1,1-Dichloroethylene	ug/L	0	20	22	18	110	91	70-130	19	20	
Iodomethane (Methyl Iodide)	ug/L	0	20	0.65	0.65U	0	0		0		
Acrylonitrile	ug/L	0	20	22	18	110	91		19		
Methylene Chloride	ug/L	0	20	25	20	125	101		21		
Carbon Disulfide	ug/L	0	20	19	14	95	72		28		
trans-1,2-Dichloroethylene	ug/L	0	20	20	17	101	83		20		
1,1-Dichloroethane	ug/L	0	20	22	18	109	91		19		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2816403 2816404 Original: T1814157004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vinyl Acetate	ug/L	0	20	20	9.0	100	45		76		
2-Butanone (MEK)	ug/L	0	20	22	20	111	98		12		
cis-1,2-Dichloroethylene	ug/L	0	20	20	16	99	82	70-130	19	20	
Bromochloromethane	ug/L	0	20	24	20	122	100		19		
Chloroform	ug/L	0	20	20	16	99	82	70-130	19	20	
1,2-Dichloroethane	ug/L	0	20	22	18	108	89		19		
1,1,1-Trichloroethane	ug/L	0	20	19	16	96	81		17		
Carbon Tetrachloride	ug/L	0	20	20	16	98	82		18		
Benzene	ug/L	0	20	19	16	97	81	70-130	19	20	
Dibromomethane	ug/L	0	20	20	16	102	81		22		
1,2-Dichloropropane	ug/L	0	20	22	18	110	91		19		
Trichloroethene	ug/L	0	20	21	17	103	87	70-130	17	20	
Bromodichloromethane	ug/L	0	20	18	15	91	77		17		
cis-1,3-Dichloropropene	ug/L	0	20	19	15	93	77		18		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	25	21	126	106		18		
trans-1,3-Dichloropropylene	ug/L	0	20	18	15	91	75		19		
1,1,2-Trichloroethane	ug/L	0	20	20	16	98	81		20		
Toluene	ug/L	0	20	19	15	94	76	70-130	21	20	
2-Hexanone	ug/L	0	20	24	21	120	103		16		
Dibromochloromethane	ug/L	0	20	17	14	86	71		18		
Tetrachloroethylene (PCE)	ug/L	0	20	20	17	99	85	70-130	15	20	
1,1,1,2-Tetrachloroethane	ug/L	0	20	19	16	95	80		17		
Chlorobenzene	ug/L	0	20	19	16	95	79	70-130	19	20	
Ethylbenzene	ug/L	0	20	19	15	93	77	70-130	19	20	
Bromoform	ug/L	0	20	15	13	76	66		14		
Styrene	ug/L	0	20	19	16	95	79		18		
1,1,2,2-Tetrachloroethane	ug/L	0	20	18	16	90	78		14		
1,2,3-Trichloropropane	ug/L	0	20	17	15	86	74		15		
1,4-Dichlorobenzene	ug/L	0	20	18	16	92	78		17		
1,2-Dichlorobenzene	ug/L	0	20	18	15	92	77	70-130	17	20	
Xylene (Total)	ug/L	0	60	56	47	93	78	70-130	17	20	
1,2-Dichloroethane-d4 (S)	%	106				102	101	70-128	1		
Toluene-d8 (S)	%	94				94	94	77-119	0		
Bromofluorobenzene (S)	%	76				85	77	86-123	9		J4

QC Batch: WCAt/5604 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2816753

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

LABORATORY CONTROL SAMPLE: 2816754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	660	100	85-115	

SAMPLE DUPLICATE: 2816755 Original: T1813818015

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	600	9	10	

QC Batch: WCAt/5610 Analysis Method: SM 5210B

QC Batch Method: SM 5210B Prepared:

Associated Lab Samples: T1814157007

METHOD BLANK: 2816955

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

LABORATORY CONTROL SAMPLE: 2816956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	230	114	84.6-115.4	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

SAMPLE DUPLICATE: 2816957 Original: T1814100001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	44	40	9	20	

QC Batch: WCAt/5622 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T1814157015, T1814157016, T1814157017, T1814157018, T1814157019, T1814157020, T1814157021

METHOD BLANK: 2817550

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2817551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	1.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2817552 2817553 Original: T1814369001

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	0.049	1	1.1	1.1	109	109	90-110	0	10	

QC Batch: MSVt/2363 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/21/2018 17:00

Associated Lab Samples: T1814157004

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2817808

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Acetone	ug/L	1.0	1.0	U
1,2-Dichloroethane-d4 (S)	%	101	70-128	
Toluene-d8 (S)	%	95	77-119	
Bromofluorobenzene (S)	%	89	86-123	

LABORATORY CONTROL SAMPLE: 2817809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Acetone	ug/L	20	27	137		
1,2-Dichloroethane-d4 (S)	%			101	70-128	
Toluene-d8 (S)	%			94	77-119	
Bromofluorobenzene (S)	%			90	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2817810 2817811 Original: G1807388010

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Acetone	ug/L			42	35				17		
1,2-Dichloroethane-d4 (S)	%	102				100	100	70-128	1		
Toluene-d8 (S)	%	95				94	94	77-119	1		
Bromofluorobenzene (S)	%	89				84	86	86-123	2		J4

QC Batch: WCAt/5636 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Prepared:

Associated Lab Samples: T1814157005

METHOD BLANK: 2818634

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: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2818635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	190	94	85-115	

SAMPLE DUPLICATE: 2818636 Original: T1814263003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	1.4	1.4	0	10	

QC Batch: DGMt/2150 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/23/2018 11:00

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005, T1814157007, T1814157008

METHOD BLANK: 2818899

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.18	0.18	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.17	0.17	U
Zinc	ug/L	7.4	7.4	U

LABORATORY CONTROL SAMPLE: 2818900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	420	106	80-120	
Iron	ug/L	25000	25000	97	80-120	
Sodium	mg/L	50	49	97	80-120	
Zinc	ug/L	400	390	96	80-120	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2818901 2818902 Original: T1814157002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.051	400	410	410	102	102	75-125	0	20	
Iron	ug/L	730	25000	26000	26000	98	100	75-125	2	20	
Sodium	mg/L	18	50	68	68	99	100	75-125	1	20	
Zinc	ug/L	13	400	380	390	93	94	75-125	1	20	

QC Batch: MSVt/2374 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 08/23/2018 13:00

Associated Lab Samples: T1814157007, T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013, T1814157014,

METHOD BLANK: 2819068

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Ethylene Dibromide (EDB)	ug/L	0.020	0.020	U
1,2-Dibromo-3-Chloropropane	ug/L	0.020	0.020	U
1,2-Dichloroethane-d4 (S)	%	106	70-130	
Toluene-d8 (S)	%	93	70-130	
Bromofluorobenzene (S)	%	82	70-130	

LABORATORY CONTROL SAMPLE: 2819069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.68	85	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.77	96	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
Toluene-d8 (S)	%			92	70-130	
Bromofluorobenzene (S)	%			85	70-130	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819070 2819071 Original: T1814157015

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.65	0.65	81	81	70-130	0	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.73	0.77	91	96	70-130	5	30	
1,2-Dichloroethane-d4 (S)	%	107				109	108	70-130	0		
Toluene-d8 (S)	%	91				94	92	70-130	1		
Bromofluorobenzene (S)	%	82				85	84	70-130	1		

QC Batch: MSVt/2376 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/23/2018 13:00

Associated Lab Samples: T1814157007, T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013, T1814157014,

METHOD BLANK: 2819079

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.53	0.53	U
Vinyl Chloride	ug/L	0.20	0.20	U
Bromomethane	ug/L	0.97	0.97	U
Chloroethane	ug/L	0.38	0.38	U
Trichlorofluoromethane	ug/L	0.84	0.84	U
Acetone	ug/L	1.0	1.0	U
1,1-Dichloroethylene	ug/L	0.70	0.70	U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65	U
Acrylonitrile	ug/L	1.9	1.9	U
Methylene Chloride	ug/L	1.0	1.0	U
Carbon Disulfide	ug/L	0.49	0.49	U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	U
1,1-Dichloroethane	ug/L	0.86	0.86	U
Vinyl Acetate	ug/L	0.40	0.40	U
2-Butanone (MEK)	ug/L	0.59	0.59	U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51	U
Bromochloromethane	ug/L	0.33	0.33	U
Chloroform	ug/L	0.31	0.31	U
1,2-Dichloroethane	ug/L	0.60	0.60	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.60	0.60	U
Benzene	ug/L	0.20	0.20	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.60	0.60	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2819079

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Bromodichloromethane	ug/L	0.60	0.60	U
cis-1,3-Dichloropropene	ug/L	0.20	0.20	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.20	0.20	U
1,1,2-Trichloroethane	ug/L	0.46	0.46	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.40	0.40	U
Tetrachloroethylene (PCE)	ug/L	0.60	0.60	U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64	U
Chlorobenzene	ug/L	0.56	0.56	U
Ethylbenzene	ug/L	0.26	0.26	U
Bromoform	ug/L	0.88	0.88	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,2,3-Trichloropropane	ug/L	0.58	0.58	U
1,4-Dichlorobenzene	ug/L	0.97	0.97	U
1,2-Dichlorobenzene	ug/L	0.63	0.63	U
trans-1,4-Dichloro-2-butene	ug/L	0.39	0.39	U
Xylene (Total)	ug/L	0.56	0.56	U
1,2-Dichloroethane-d4 (S)	%	107	70-128	
Toluene-d8 (S)	%	94	77-119	
Bromofluorobenzene (S)	%	81	86-123	

LABORATORY CONTROL SAMPLE: 2819080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Chloromethane	ug/L	20	25	127		
Vinyl Chloride	ug/L	20	23	115	70-130	
Bromomethane	ug/L	20	17	85		
Chloroethane	ug/L	20	24	122		
Trichlorofluoromethane	ug/L	20	21	105		
Acetone	ug/L	20	30	148		
1,1-Dichloroethylene	ug/L	20	23	114	70-130	
Iodomethane (Methyl Iodide)	ug/L	20	0.65	0		
Acrylonitrile	ug/L	20	24	121		
Methylene Chloride	ug/L	20	26	132		
Carbon Disulfide	ug/L	20	19	95		
trans-1,2-Dichloroethylene	ug/L	20	21	103		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2819080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/L	20	23	113		
Vinyl Acetate	ug/L	20	27	133		
2-Butanone (MEK)	ug/L	20	27	135		
cis-1,2-Dichloroethylene	ug/L	20	20	102	70-130	
Bromochloromethane	ug/L	20	26	129		
Chloroform	ug/L	20	20	100	70-130	
1,2-Dichloroethane	ug/L	20	22	112		
1,1,1-Trichloroethane	ug/L	20	20	101		
Carbon Tetrachloride	ug/L	20	21	105		
Benzene	ug/L	20	20	99	70-130	
Dibromomethane	ug/L	20	21	106		
1,2-Dichloropropane	ug/L	20	23	114		
Trichloroethene	ug/L	20	21	105	70-130	
Bromodichloromethane	ug/L	20	20	99		
cis-1,3-Dichloropropene	ug/L	20	20	99		
4-Methyl-2-pentanone (MIBK)	ug/L	20	27	135		
trans-1,3-Dichloropropylene	ug/L	20	20	101		
1,1,2-Trichloroethane	ug/L	20	20	100		
Toluene	ug/L	20	19	96	70-130	
2-Hexanone	ug/L	20	26	130		
Dibromochloromethane	ug/L	20	19	96		
Tetrachloroethylene (PCE)	ug/L	20	22	110	70-130	
1,1,1,2-Tetrachloroethane	ug/L	20	21	103		
Chlorobenzene	ug/L	20	20	100	70-130	
Ethylbenzene	ug/L	20	19	96	70-130	
Bromoform	ug/L	20	19	96		
Styrene	ug/L	20	20	101		
1,1,2,2-Tetrachloroethane	ug/L	20	19	95		
1,2,3-Trichloropropane	ug/L	20	18	92		
1,4-Dichlorobenzene	ug/L	20	20	99		
1,2-Dichlorobenzene	ug/L	20	19	95	70-130	
Xylene (Total)	ug/L	60	58	97	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-128	
Toluene-d8 (S)	%			92	77-119	
Bromofluorobenzene (S)	%			86	86-123	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819081 2819082 Original: T1814157018

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Chloromethane	ug/L	0	20	25	24	127	119		7		
Vinyl Chloride	ug/L	0	20	24	21	119	107	70-130	11	20	
Bromomethane	ug/L	0	20	13	13	63	66		5		
Chloroethane	ug/L	0	20	22	20	108	98		10		
Trichlorofluoromethane	ug/L	0	20	20	18	99	91		8		
Acetone	ug/L	0	20	28	26	138	130		6		
1,1-Dichloroethylene	ug/L	0	20	22	20	109	100	70-130	9	20	
Iodomethane (Methyl Iodide)	ug/L	0	20	0.65	0.65U	0	0		0		
Acrylonitrile	ug/L	0	20	22	22	112	108		4		
Methylene Chloride	ug/L	0	20	25	23	126	115		10		
Carbon Disulfide	ug/L	0	20	18	17	90	83		8		
trans-1,2-Dichloroethylene	ug/L	0	20	19	18	97	90		8		
1,1-Dichloroethane	ug/L	0	20	22	20	109	101		8		
Vinyl Acetate	ug/L	0	20	21	18	103	92		12		
2-Butanone (MEK)	ug/L	0	20	23	21	115	103		11		
cis-1,2-Dichloroethylene	ug/L	0	20	19	18	95	88	70-130	8	20	
Bromochloromethane	ug/L	0	20	25	23	125	114		9		
Chloroform	ug/L	0	20	19	18	95	89	70-130	7	20	
1,2-Dichloroethane	ug/L	0	20	22	20	109	98		11		
1,1,1-Trichloroethane	ug/L	0	20	20	18	98	90		9		
Carbon Tetrachloride	ug/L	0	20	19	18	97	89		9		
Benzene	ug/L	0	20	18	17	92	83	70-130	10	20	
Dibromomethane	ug/L	0	20	19	17	95	87		9		
1,2-Dichloropropane	ug/L	0	20	22	20	108	99		9		
Trichloroethene	ug/L	0	20	20	19	101	93	70-130	9	20	
Bromodichloromethane	ug/L	0	20	18	17	91	84		8		
cis-1,3-Dichloropropene	ug/L	0	20	17	16	87	79		9		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	26	23	129	116		10		
trans-1,3-Dichloropropylene	ug/L	0	20	17	15	86	77		10		
1,1,2-Trichloroethane	ug/L	0	20	19	17	95	86		10		
Toluene	ug/L	0	20	18	16	91	81	70-130	12	20	
2-Hexanone	ug/L	0	20	25	22	127	111		14		
Dibromochloromethane	ug/L	0	20	18	16	88	79		11		
Tetrachloroethylene (PCE)	ug/L	0	20	21	18	103	92	70-130	11	20	
1,1,1,2-Tetrachloroethane	ug/L	0	20	19	17	95	87		9		
Chlorobenzene	ug/L	0	20	19	17	94	84	70-130	11	20	
Ethylbenzene	ug/L	0	20	18	16	91	81	70-130	11	20	
Bromoform	ug/L	0	20	16	15	82	73		11		
Styrene	ug/L	0	20	19	17	94	85		10		
1,1,2,2-Tetrachloroethane	ug/L	0	20	17	16	87	78		12		
1,2,3-Trichloropropane	ug/L	0	20	16	15	80	74		8		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819081 2819082 Original: T1814157018

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	0	20	19	17	93	83		11		
1,2-Dichlorobenzene	ug/L	0	20	17	16	87	81	70-130	8	20	
Xylene (Total)	ug/L	0	60	55	50	92	83	70-130	11	20	
1,2-Dichloroethane-d4 (S)	%	110				104	107	70-128	4		
Toluene-d8 (S)	%	91				92	92	77-119	0		
Bromofluorobenzene (S)	%	84				86	85	86-123	1		J4

QC Batch: WCAt/5646 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1814157023, T1814157024, T1814157025, T1814157026, T1814157027, T1814157028, T1814157029,

METHOD BLANK: 2819290

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2819291

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: 2819292 2819293 Original: T1814157023

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	0.3	1	1.3	1.4	104	107	90-110	2	10	

QC Batch: DGMt/2154 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/24/2018 10:00
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2819614

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	ug/L	0.050	0.050	U

LABORATORY CONTROL SAMPLE: 2819615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.87	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819616 2819617 Original: M1803313001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.029	1	0.90	0.88	90	88	80-120	1	20	

QC Batch: WCAt/5655 Analysis Method: SM 2340C

QC Batch Method: SM 2340C Prepared:

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157007

METHOD BLANK: 2819660

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Hardness (as CaCO3)	mg/L	2.6	2.6	U

LABORATORY CONTROL SAMPLE: 2819661

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Hardness (as CaCO3)	mg/L	400	380	94	90-110	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819662 2819663 Original: T1814260001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Hardness (as CaCO3)	mg/L	100	200	300	300	98	100	90-110	1	10	

QC Batch: WCAt/5660 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004

METHOD BLANK: 2819789

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

LABORATORY CONTROL SAMPLE: 2819790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	200	101	85-115	

SAMPLE DUPLICATE: 2819791 Original: T1814156002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	3600	3600	0	10	

QC Batch: WCAt/5663 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1814157007, T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2819797

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

LABORATORY CONTROL SAMPLE: 2819798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	680	103	85-115	

SAMPLE DUPLICATE: 2819799 Original: T1814213001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	220	240	9	10	

QC Batch: WCAt/5674 Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4 Prepared:

Associated Lab Samples: T1814157007

METHOD BLANK: 2819977

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chemical Oxygen Demand	mg/L	24	24	U

LABORATORY CONTROL SAMPLE: 2819978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chemical Oxygen Demand	mg/L	500	500	101	90-110	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2819980 2819981 Original: T1814292001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chemical Oxygen Demand	mg/L	1200	5000	6200	6200	100	100	90-110	0	10	

QC Batch: WCAt/5680 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 08/27/2018 10:00
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2820399

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Phosphorus (as P)	mg/L	0.046	0.046	U

LABORATORY CONTROL SAMPLE: 2820401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Phosphorus (as P)	mg/L	1	1.1	106	80-120	

MATRIX SPIKE SAMPLE: 2820403 Original: A1806305003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY							
Total Phosphorus (as P)	mg/L	-0.21	1	0.98	98	80-120	

MATRIX SPIKE SAMPLE: 2820407 Original: T1814134002

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY							
Total Phosphorus (as P)	mg/L	1.9	1	2.8	97	80-120	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

QC Batch: WCAt/5689 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1814157008, T1814157009

METHOD BLANK: 2820680

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

LABORATORY CONTROL SAMPLE: 2820681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	47	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820682 2820683 Original: T1813818006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	9.8	50	57	59	95	98	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2820684 2820685 Original: T1814157008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	13	50	62	61	97	95	90-110	2	10	

QC Batch: WCAt/5691 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1814157036

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2821157

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2821158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	1.1	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2821159 2821160 Original: T1814524001

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	1.3	1	2.3	2.3	97	92	90-110	2	10	

QC Batch: WCAt/5695 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1814157007

METHOD BLANK: 2821310

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

LABORATORY CONTROL SAMPLE: 2821311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	220	112	85-115	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

SAMPLE DUPLICATE: 2821312 Original: T1814246002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	2100	2100	1	10	

QC Batch: DGMj/2030 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 08/29/2018 03:30

Associated Lab Samples: T1814157007, T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013, T1814157015,

METHOD BLANK: 2821856

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	ug/L	0.71	0.71	U
Chromium	ug/L	0.11	0.11	U
Cobalt	ug/L	0.19	0.19	U
Nickel	ug/L	0.98	0.98	U
Copper	ug/L	0.35	0.35	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Cadmium	ug/L	0.064	0.064	U
Barium	ug/L	0.24	0.24	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	ug/L	0.068	0.068	U
Antimony	ug/L	0.11	0.11	U

LABORATORY CONTROL SAMPLE: 2821857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	90	90	80-120	
Chromium	ug/L	100	91	91	80-120	
Cobalt	ug/L	100	95	95	80-120	
Nickel	ug/L	100	91	91	80-120	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2821857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	100	94	94	80-120	
Arsenic	ug/L	100	96	96	80-120	
Selenium	ug/L	100	99	99	80-120	
Silver	ug/L	100	100	102	80-120	
Cadmium	ug/L	100	100	102	80-120	
Antimony	ug/L	100	97	97	80-120	
Barium	ug/L	100	100	100	80-120	
Thallium	ug/L	100	89	89	80-120	
Lead	ug/L	100	95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2821858 2821859 Original: T1814157007

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	1.3	100	92	90	90	89	75-125	2	20	
Chromium	ug/L	1	100	91	89	90	88	75-125	1	20	
Cobalt	ug/L	0.066	100	92	92	92	92	75-125	0	20	
Nickel	ug/L	0.29	100	89	87	89	87	75-125	2	20	
Copper	ug/L	0.37	100	89	89	89	88	75-125	1	20	
Arsenic	ug/L	0.27	100	94	94	94	94	75-125	0	20	
Selenium	ug/L	0.29	100	95	96	95	96	75-125	1	20	
Silver	ug/L	0.055	100	80	75	80	75	75-125	7	20	
Cadmium	ug/L	0.013	100	100	100	101	101	75-125	0	20	
Antimony	ug/L	0.29	100	99	100	99	99	75-125	1	20	
Barium	ug/L	18	100	120	120	101	100	75-125	0	20	
Thallium	ug/L	0.017	100	99	98	99	98	75-125	1	20	
Lead	ug/L	0.17	100	99	98	99	98	75-125	1	20	

QC Batch: WCAt/5714 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1814157015, T1814157016, T1814157017, T1814157018, T1814157019, T1814157020, T1814157021

METHOD BLANK: 2822544

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2822545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	680	103	85-115	

SAMPLE DUPLICATE: 2822546 Original: T1814306001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	140	130	9	10	

QC Batch: WCAt/5720 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 08/28/2018 10:30
Associated Lab Samples: T1814157007

METHOD BLANK: 2822804

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Phosphorus (as P)	mg/L	0.046	0.046	U

LABORATORY CONTROL SAMPLE: 2822806

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Phosphorus (as P)	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2822808 2822810 Original: T1813881001

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			4.5	4.5				1	20	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2822812 2822814 Original: T1814050001

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	130	1	140	150	936	1350	80-120	3	20	

QC Batch: MSVt/2404 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 08/28/2018 14:00

Associated Lab Samples: T1814157023, T1814157024, T1814157025, T1814157026, T1814157027, T1814157028, T1814157029,

METHOD BLANK: 2823585

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Ethylene Dibromide (EDB)	ug/L	0.020	0.020	U
1,2-Dibromo-3-Chloropropane	ug/L	0.020	0.020	U
1,2-Dichloroethane-d4 (S)	%	102	70-130	
Toluene-d8 (S)	%	98	70-130	
Bromofluorobenzene (S)	%	100	70-130	

LABORATORY CONTROL SAMPLE: 2823586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.68	85	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.82	103	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	
Bromofluorobenzene (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823587 2823588 Original: T1814157023

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.60	0.63	75	79	70-130	5	30	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823587 2823588 Original: T1814157023

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.60	0.68	75	85	70-130	12	30	
1,2-Dichloroethane-d4 (S)	%	101				101	102	70-130	0		
Toluene-d8 (S)	%	98				98	98	70-130	0		
Bromofluorobenzene (S)	%	111				112	106	70-130	5		

QC Batch: MSVt/2406 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/28/2018 14:00

Associated Lab Samples: T1814157023, T1814157024, T1814157025, T1814157026, T1814157027, T1814157028, T1814157029,

METHOD BLANK: 2823594

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.53	0.53	U
Vinyl Chloride	ug/L	0.20	0.20	U
Bromomethane	ug/L	0.97	0.97	U
Chloroethane	ug/L	0.38	0.38	U
Trichlorofluoromethane	ug/L	0.84	0.84	U
Acetone	ug/L	1.0	1.0	U
1,1-Dichloroethylene	ug/L	0.70	0.70	U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65	U
Acrylonitrile	ug/L	1.9	1.9	U
Methylene Chloride	ug/L	1.0	1.0	U
Carbon Disulfide	ug/L	0.49	0.49	U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	U
1,1-Dichloroethane	ug/L	0.86	0.86	U
Vinyl Acetate	ug/L	0.40	0.40	U
2-Butanone (MEK)	ug/L	0.59	0.59	U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51	U
Bromochloromethane	ug/L	0.33	0.33	U
Chloroform	ug/L	0.31	0.31	U
1,2-Dichloroethane	ug/L	0.60	0.60	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.60	0.60	U
Benzene	ug/L	0.20	0.20	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.60	0.60	U
Bromodichloromethane	ug/L	0.60	0.60	U
cis-1,3-Dichloropropene	ug/L	0.20	0.20	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2823594

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.20	0.20	U
1,1,2-Trichloroethane	ug/L	0.46	0.46	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.40	0.40	U
Tetrachloroethylene (PCE)	ug/L	0.60	0.60	U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64	U
Chlorobenzene	ug/L	0.56	0.56	U
Ethylbenzene	ug/L	0.26	0.26	U
Bromoform	ug/L	0.88	0.88	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,2,3-Trichloropropane	ug/L	0.58	0.58	U
1,4-Dichlorobenzene	ug/L	0.97	0.97	U
1,2-Dichlorobenzene	ug/L	0.63	0.63	U
trans-1,4-Dichloro-2-butene	ug/L	0.39	0.39	U
Xylene (Total)	ug/L	0.56	0.56	U
1,2-Dichloroethane-d4 (S)	%	116	70-128	
Toluene-d8 (S)	%	99	77-119	
Bromofluorobenzene (S)	%	92	86-123	

LABORATORY CONTROL SAMPLE: 2823595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Chloromethane	ug/L	20	23	114		
Vinyl Chloride	ug/L	20	23	114	70-130	
Bromomethane	ug/L	20	17	83		
Chloroethane	ug/L	20	24	122		
Trichlorofluoromethane	ug/L	20	21	107		
Acetone	ug/L	20	30	148		
1,1-Dichloroethylene	ug/L	20	22	111	70-130	
Iodomethane (Methyl Iodide)	ug/L	20	18	92		
Acrylonitrile	ug/L	20	25	125		
Methylene Chloride	ug/L	20	24	121		
Carbon Disulfide	ug/L	20	19	96		
trans-1,2-Dichloroethylene	ug/L	20	20	101		
1,1-Dichloroethane	ug/L	20	22	108		
Vinyl Acetate	ug/L	20	23	117		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2823595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Butanone (MEK)	ug/L	20	26	129		
cis-1,2-Dichloroethylene	ug/L	20	20	101	70-130	
Bromochloromethane	ug/L	20	24	119		
Chloroform	ug/L	20	21	103	70-130	
1,2-Dichloroethane	ug/L	20	23	115		
1,1,1-Trichloroethane	ug/L	20	21	106		
Carbon Tetrachloride	ug/L	20	21	107		
Benzene	ug/L	20	20	99	70-130	
Dibromomethane	ug/L	20	21	104		
1,2-Dichloropropane	ug/L	20	21	106		
Trichloroethene	ug/L	20	20	101	70-130	
Bromodichloromethane	ug/L	20	21	103		
cis-1,3-Dichloropropene	ug/L	20	19	95		
4-Methyl-2-pentanone (MIBK)	ug/L	20	26	130		
trans-1,3-Dichloropropylene	ug/L	20	20	99		
1,1,2-Trichloroethane	ug/L	20	21	103		
Toluene	ug/L	20	20	99	70-130	
2-Hexanone	ug/L	20	26	131		
Dibromochloromethane	ug/L	20	22	108		
Tetrachloroethylene (PCE)	ug/L	20	22	111	70-130	
1,1,1,2-Tetrachloroethane	ug/L	20	21	105		
Chlorobenzene	ug/L	20	20	99	70-130	
Ethylbenzene	ug/L	20	20	100	70-130	
Bromoform	ug/L	20	23	115		
Styrene	ug/L	20	21	106		
1,1,2,2-Tetrachloroethane	ug/L	20	22	111		
1,2,3-Trichloropropane	ug/L	20	22	109		
1,4-Dichlorobenzene	ug/L	20	20	100		
1,2-Dichlorobenzene	ug/L	20	20	101	70-130	
Xylene (Total)	ug/L	60	61	102	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-128	
Toluene-d8 (S)	%			99	77-119	
Bromofluorobenzene (S)	%			94	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823596 2823597 Original: T1814157025

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Chloromethane	ug/L	0	20	22	20	112	98		14		

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823596 2823597 Original: T1814157025

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vinyl Chloride	ug/L	0	20	25	20	124	101	70-130	20	20	
Bromomethane	ug/L	0	20	19	18	94	90		4		
Chloroethane	ug/L	0	20	24	19	122	97		23		
Trichlorofluoromethane	ug/L	0	20	21	17	106	87		19		
Acetone	ug/L	0	20	23	20	113	100		13		
1,1-Dichloroethylene	ug/L	0	20	23	18	116	92	70-130	22	20	
Iodomethane (Methyl Iodide)	ug/L	0	20	20	21	101	103		2		
Acrylonitrile	ug/L	0	20	23	20	114	98		16		
Methylene Chloride	ug/L	0	20	25	20	125	101		21		
Carbon Disulfide	ug/L	0	20	20	16	101	79		25		
trans-1,2-Dichloroethylene	ug/L	0	20	21	17	103	83		21		
1,1-Dichloroethane	ug/L	0	20	22	18	112	91		20		
Vinyl Acetate	ug/L	0	20	20	16	100	82		20		
2-Butanone (MEK)	ug/L	0	20	21	18	107	90		18		
cis-1,2-Dichloroethylene	ug/L	0	20	20	17	101	83	70-130	20	20	
Bromochloromethane	ug/L	0	20	25	20	124	100		21		
Chloroform	ug/L	0	20	20	17	102	83	70-130	20	20	
1,2-Dichloroethane	ug/L	0	20	23	19	116	95		21		
1,1,1-Trichloroethane	ug/L	0	20	21	18	107	88		20		
Carbon Tetrachloride	ug/L	0	20	21	18	107	88		20		
Benzene	ug/L	0	20	20	16	100	81	70-130	21	20	
Dibromomethane	ug/L	0	20	21	17	103	84		21		
1,2-Dichloropropane	ug/L	0	20	22	18	111	91		19		
Trichloroethene	ug/L	0	20	21	17	104	84	70-130	21	20	
Bromodichloromethane	ug/L	0	20	20	17	102	84		19		
cis-1,3-Dichloropropene	ug/L	0	20	20	16	99	82		19		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	24	20	120	102		16		
trans-1,3-Dichloropropylene	ug/L	0	20	20	17	101	86		16		
1,1,2-Trichloroethane	ug/L	0	20	20	17	102	84		20		
Toluene	ug/L	0	20	19	17	97	84	70-130	14	20	
2-Hexanone	ug/L	0	20	23	21	116	103		12		
Dibromochloromethane	ug/L	0	20	20	17	100	87		14		
Tetrachloroethylene (PCE)	ug/L	0	20	20	17	102	87	70-130	16	20	
1,1,1,2-Tetrachloroethane	ug/L	0	20	20	18	101	91		11		
Chlorobenzene	ug/L	0	20	19	17	97	85	70-130	13	20	
Ethylbenzene	ug/L	0	20	20	17	100	85	70-130	16	20	
Bromoform	ug/L	0	20	20	18	101	88		14		
Styrene	ug/L	0	20	20	17	101	87		14		
1,1,2,2-Tetrachloroethane	ug/L	0	20	20	18	100	89		12		
1,2,3-Trichloropropane	ug/L	0	20	20	18	99	88		12		
1,4-Dichlorobenzene	ug/L	0	20	20	18	102	88		15		
1,2-Dichlorobenzene	ug/L	0	20	20	17	101	87	70-130	14	20	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823596 2823597 Original: T1814157025

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/L	0	60	61	52	102	87	70-130	16	20	
1,2-Dichloroethane-d4 (S)	%	116				116	112	70-128	3		
Toluene-d8 (S)	%	101				99	100	77-119	1		
Bromofluorobenzene (S)	%	103				100	103	86-123	3		

QC Batch: DGMj/2040 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 08/30/2018 03:30

Associated Lab Samples: T1814157023, T1814157024, T1814157025, T1814157026, T1814157027, T1814157028, T1814157029,

METHOD BLANK: 2823654

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	ug/L	0.71	0.71	U
Cobalt	ug/L	0.19	0.19	U
Nickel	ug/L	0.98	0.98	U
Copper	ug/L	0.35	0.35	U
Selenium	ug/L	0.58	0.58	U
Cadmium	ug/L	0.064	0.064	U
Barium	ug/L	0.24	0.24	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Chromium	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Silver	ug/L	0.068	0.068	U
Antimony	ug/L	0.11	0.11	U

LABORATORY CONTROL SAMPLE: 2823655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	90	90	80-120	
Chromium	ug/L	100	91	91	80-120	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2823655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	ug/L	100	95	95	80-120	
Nickel	ug/L	100	92	92	80-120	
Copper	ug/L	100	95	95	80-120	
Arsenic	ug/L	100	99	99	80-120	
Selenium	ug/L	100	110	106	80-120	
Silver	ug/L	100	100	105	80-120	
Cadmium	ug/L	100	100	105	80-120	
Antimony	ug/L	100	99	99	80-120	
Barium	ug/L	100	100	101	80-120	
Thallium	ug/L	100	95	95	80-120	
Lead	ug/L	100	97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2823656 2823657 Original: G1807589001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	1.3	100	94	95	93	94	75-125	1	20	
Chromium	ug/L	1.3	100	95	96	94	94	75-125	1	20	
Cobalt	ug/L	0.51	100	98	98	97	98	75-125	0	20	
Nickel	ug/L	0.82	100	93	95	93	95	75-125	2	20	
Copper	ug/L	0.37	100	96	97	96	97	75-125	1	20	
Arsenic	ug/L	1.3	100	99	100	97	99	75-125	2	20	
Selenium	ug/L	0.48	100	100	100	101	102	75-125	1	20	
Silver	ug/L	0.076	100	110	110	105	105	75-125	0	20	
Cadmium	ug/L	0.054	100	110	110	106	106	75-125	0	20	
Antimony	ug/L	1.1	100	100	100	102	103	75-125	0	20	
Barium	ug/L	9.1	100	110	110	104	102	75-125	1	20	
Thallium	ug/L	0.064	100	93	99	93	99	75-125	6	20	
Lead	ug/L	0.7	100	100	100	100	100	75-125	0	20	

QC Batch: DGMt/2177 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/29/2018 13:00

Associated Lab Samples: T1814157009, T1814157010, T1814157011, T1814157012, T1814157013, T1814157015, T1814157016, T1814157017,

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2824152

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.18	0.18	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.17	0.17	U
Zinc	ug/L	7.4	7.4	U

LABORATORY CONTROL SAMPLE: 2824153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	380	94	80-120	
Iron	ug/L	25000	24000	94	80-120	
Sodium	mg/L	50	45	90	80-120	
Zinc	ug/L	400	350	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824154 2824155 Original: T1814493001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.01	400	380	390	96	96	75-125	0	20	
Iron	ug/L	110	25000	25000	25000	97	97	75-125	0	20	
Sodium	mg/L	13	50	60	61	93	94	75-125	1	20	
Zinc	ug/L	4.3	400	360	360	90	90	75-125	0	20	

QC Batch: WCAt/5730 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1814157023, T1814157024, T1814157025, T1814157026, T1814157027, T1814157028, T1814157029,

METHOD BLANK: 2824277

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2824278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	700	105	85-115	

SAMPLE DUPLICATE: 2824279 Original: T1814373001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	240	220	8	10	

QC Batch: WCAt/5742 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1814157010, T1814157011, T1814157012, T1814157013, T1814157015, T1814157016, T1814157017, T1814157018,

METHOD BLANK: 2824509

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

LABORATORY CONTROL SAMPLE: 2824510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	46	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824511 2824512 Original: T1814157010

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	58	50	100	100	85	86	90-110	0	10	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2824513 2824514 Original: T1814157020

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	5	50	53	52	96	94	90-110	3	10	

QC Batch: MICt/2195 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005

METHOD BLANK: 2825311

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

METHOD BLANK: 2825321

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

SAMPLE DUPLICATE: 2825320 Original: T1814162001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Microbiology						
Coliform Fecal	#/100 mL	1U	1	0		

QC Batch: DGMt/2179 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/30/2018 10:00
Associated Lab Samples: T1814157007, T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013

METHOD BLANK: 2825432

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	ug/L	0.050	0.050	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2825433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2825434 2825435 Original: T1814157009

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0	1	0.82	0.90	82	90	80-120	8	20	

QC Batch: WCAt/5759 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1814157036

METHOD BLANK: 2825850

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

LABORATORY CONTROL SAMPLE: 2825851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	700	105	85-115	

SAMPLE DUPLICATE: 2825852 Original: T1814544001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

SAMPLE DUPLICATE: 2825852 Original: T1814544001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	75000	75000	1	10	

QC Batch: DGMt/2191 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 09/04/2018 11:00
Associated Lab Samples: T1814157020, T1814157021, T1814157023, T1814157024, T1814157025, T1814157026, T1814157027,

METHOD BLANK: 2827688

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.18	0.18	U
Iron	ug/L	21	21	U
Zinc	ug/L	7.4	7.4	U

LABORATORY CONTROL SAMPLE: 2827689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	420	106	80-120	
Iron	ug/L	25000	26000	101	80-120	
Sodium	mg/L	50	51	102	80-120	
Zinc	ug/L	400	410	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2827690 2827691 Original: T1814157020

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0	400	420	420	104	104	75-125	0	20	
Iron	ug/L	310	25000	26000	26000	101	101	75-125	0	20	
Sodium	mg/L	3.2	50	53	54	99	101	75-125	1	20	
Zinc	ug/L	9	400	410	410	100	101	75-125	1	20	

QC Batch: WCAt/5816 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

Associated Lab Samples: T1814157008, T1814157009, T1814157010, T1814157011, T1814157012, T1814157013, T1814157015, T1814157016,

METHOD BLANK: 2828081

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.025	0.025	U

LABORATORY CONTROL SAMPLE: 2828082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.49	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828083 2828084 Original: T1814157008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.36	1	1.5	1.5	113	114	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828085 2828086 Original: A1806426002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	-0.09	1	0.84	0.85	84	85	90-110	2	10	

QC Batch: WCAt/5817 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1814157023, T1814157024

METHOD BLANK: 2828089

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.025	0.025	U

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2828090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.49	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828101 2828102 Original: T1814299004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	-0.04	1	1.0	1.0	105	103	90-110	1	10	

QC Batch: DGMt/2195 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 09/04/2018 11:00
Associated Lab Samples: T1814157015, T1814157016, T1814157017, T1814157018, T1814157019, T1814157020, T1814157021,

METHOD BLANK: 2828602

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	ug/L	0.050	0.050	U

LABORATORY CONTROL SAMPLE: 2828603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.91	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828604 2828605 Original: T1814157015

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2828604 2828605 Original: T1814157015

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Mercury	ug/L	0	1	0.90	0.83	90	83	80-120	8	20	

QC Batch: WCAg/3414 Analysis Method: SM 10200 H
QC Batch Method: SM 10200 H Prepared:
Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005, T1814157007

METHOD BLANK: 2829027

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chlorophyll A	mg/m3	1.0	1.0	U

METHOD BLANK: 2829028

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chlorophyll A	mg/m3	1.0	1.0	U

SAMPLE DUPLICATE: 2829030 Original: A1806528001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	mg/m3	8.9	8.9	0	35	4

QC Batch: MICt/2206 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: T1814157007

METHOD BLANK: 2830704

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2830717

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

SAMPLE DUPLICATE: 2830707 Original: T1814157007

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Microbiology						
Coliform Fecal	#/100 mL	10U	10	0		

QC Batch: WCAt/5894 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1814157025, T1814157026, T1814157027, T1814157028, T1814157029, T1814157030, T1814157031

METHOD BLANK: 2831978

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.025	0.025	U

LABORATORY CONTROL SAMPLE: 2831979

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2831983 2831984 Original: T1814157028

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.68	1	1.7	1.7	100	102	90-110	1	10	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2831985 2831986 Original: T1814378002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	1.7	1	2.7	2.7	99	100	90-110	0	10	

QC Batch: WCAt/5905 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1814157033, T1814157034, T1814157036

METHOD BLANK: 2832432

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.025	0.025	U

LABORATORY CONTROL SAMPLE: 2832433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.49	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832451 2832452 Original: T1814157033

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.09	1	1.1	1.1	101	101	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2832455 2832456 Original: T1814538002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.32	1	1.1	1.1	77	77	90-110	0	10	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

QC Batch: DGMt/2210 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 09/07/2018 11:00
Associated Lab Samples: T1814157033, T1814157034

METHOD BLANK: 2833041

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.18	0.18	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.17	0.17	U
Zinc	ug/L	7.4	7.4	U

LABORATORY CONTROL SAMPLE: 2833042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	450	111	80-120	
Iron	ug/L	25000	25000	100	80-120	
Sodium	mg/L	50	50	100	80-120	
Zinc	ug/L	400	410	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2833043 2833044 Original: T1814908001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.14	400	410	410	102	102	75-125	1	20	
Iron	ug/L	3600	25000	27000	27000	91	93	75-125	1	20	
Sodium	mg/L	97	50	140	140	78	79	75-125	0	20	
Zinc	ug/L	9.1	400	380	390	93	95	75-125	2	20	

QC Batch: DGMt/2211 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 09/07/2018 11:00
Associated Lab Samples: T1814157036

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2833053

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.18	0.18	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.17	0.17	U
Zinc	ug/L	22	7.4	

LABORATORY CONTROL SAMPLE: 2833054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	420	106	80-120	
Iron	ug/L	25000	24000	95	80-120	
Sodium	mg/L	50	47	93	80-120	
Zinc	ug/L	400	390	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2833055 2833056 Original: T1814157036

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.087	400	410	410	102	103	75-125	1	20	
Iron	ug/L	22	25000	24000	24000	94	96	75-125	2	20	
Sodium	mg/L	6.6	50	54	55	93	96	75-125	2	20	
Zinc	ug/L	39	400	410	410	93	93	75-125	0	20	

QC Batch: WCAt/5915 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1814157031, T1814157033, T1814157034, T1814157036

METHOD BLANK: 2833104

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

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2833105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	49	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2833106 2833107 Original: T1814157033

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	7.6	50	55	59	95	103	90-110	7	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2833108 2833109 Original: S1801441001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	5.1	50	52	53	94	96	90-110	2	10	

QC Batch: WCAg/3465 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1814157001, T1814157002, T1814157003, T1814157004, T1814157005, T1814157007

METHOD BLANK: 2835167

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.25	0.25	U

LABORATORY CONTROL SAMPLE: 2835169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Organic Carbon	mg/L	10	10	100	90-110	

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2835170 2835171 Original: T1814157002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Total Organic Carbon	mg/L	12	26	42	38	117	101	90-110	10	10	

QC Batch: DGMt/2229 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 09/11/2018 09:00
Associated Lab Samples: T1814157030, T1814157031, T1814157033, T1814157034, T1814157036

METHOD BLANK: 2836420

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	ug/L	0.050	0.050	U

LABORATORY CONTROL SAMPLE: 2836421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2836422 2836423 Original: T1814157030

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.014	1	1.1	1.0	106	102	80-120	4	20	

QC Batch: WCAt/6469 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Prepared:
Associated Lab Samples: T1814157005

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QUALITY CONTROL DATA

Workorder: T1814157 SELF Semi-Annual

METHOD BLANK: 2862301

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Hardness (as CaCO3)	mg/L	2.6	2.6	U

LABORATORY CONTROL SAMPLE: 2862302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Hardness (as CaCO3)	mg/L	400	380	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2862303 2862304 Original: T1816850001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Hardness (as CaCO3)	mg/L	120	200	340	320	108	102	90-110	4	10	

QUALITY CONTROL DATA QUALIFIERS

Workorder: T1814157 SELF Semi-Annual

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
Q	Missed Hold Time
V	Method Blank Contamination
[3]	Filter Date/Time: 8/23/18 16:15
[4]	Filter Date/Time: 8/23/18 16:17

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157001	Equipment Blank			SM 4500NO3-F	WCAt/5536
T1814157002	3B2B			SM 4500NO3-F	WCAt/5536
T1814157003	3C2			SM 4500NO3-F	WCAt/5536
T1814157004	Mine Cut 1D			SM 4500NO3-F	WCAt/5536
T1814157005	Duplicate			SM 4500NO3-F	WCAt/5536
T1814157001	Equipment Blank			SM 5210B	WCAt/5552
T1814157002	3B2B			SM 5210B	WCAt/5552
T1814157003	3C2			SM 5210B	WCAt/5552
T1814157004	Mine Cut 1D			SM 5210B	WCAt/5552
T1814157005	Duplicate			SM 5210B	WCAt/5552
T1814157001	Equipment Blank			EPA 410.4	WCAt/5570
T1814157002	3B2B			EPA 410.4	WCAt/5570
T1814157003	3C2			EPA 410.4	WCAt/5570
T1814157004	Mine Cut 1D			EPA 410.4	WCAt/5570
T1814157005	Duplicate			EPA 410.4	WCAt/5570
T1814157007	Stream 3 A			SM 4500NO3-F	WCAt/5574
T1814157001	Equipment Blank	SW-846 3010A	DGMj/1994	SW-846 6020	ICMj/1297
T1814157002	3B2B	SW-846 3010A	DGMj/1994	SW-846 6020	ICMj/1297
T1814157003	3C2	SW-846 3010A	DGMj/1994	SW-846 6020	ICMj/1297
T1814157004	Mine Cut 1D	SW-846 3010A	DGMj/1994	SW-846 6020	ICMj/1297
T1814157005	Duplicate	SW-846 3010A	DGMj/1994	SW-846 6020	ICMj/1297
T1814157008	TH-40			SM 4500NO3-F	WCAt/5581
T1814157009	TH-57			SM 4500NO3-F	WCAt/5581
T1814157010	TH-28A			SM 4500NO3-F	WCAt/5581
T1814157011	Field Blank			SM 4500NO3-F	WCAt/5581
T1814157012	TH-72			SM 4500NO3-F	WCAt/5581
T1814157013	TH-58			SM 4500NO3-F	WCAt/5581

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157001	Equipment Blank	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157002	3B2B	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157003	3C2	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157004	Mine Cut 1D	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157005	Duplicate	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157006	Trip Blank	SW-846 5030B	MSVt/2356	SW-846 8260B (SIM)	MSVt/2357
T1814157001	Equipment Blank	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157002	3B2B	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157003	3C2	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157004	Mine Cut 1D	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157005	Duplicate	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157006	Trip Blank	SW-846 5030B	MSVt/2358	SW-846 8260B	MSVt/2359
T1814157001	Equipment Blank			SM 2540 C	WCAt/5604
T1814157002	3B2B			SM 2540 C	WCAt/5604
T1814157003	3C2			SM 2540 C	WCAt/5604
T1814157004	Mine Cut 1D			SM 2540 C	WCAt/5604
T1814157005	Duplicate			SM 2540 C	WCAt/5604
T1814157007	Stream 3 A			SM 5210B	WCAt/5610
T1814157015	TH-78			SM 4500NO3-F	WCAt/5622
T1814157016	TH-70A			SM 4500NO3-F	WCAt/5622
T1814157017	TH-69A			SM 4500NO3-F	WCAt/5622
T1814157018	TH-19			SM 4500NO3-F	WCAt/5622
T1814157019	TH-36A			SM 4500NO3-F	WCAt/5622
T1814157020	TH-61			SM 4500NO3-F	WCAt/5622
T1814157021	TH-61A			SM 4500NO3-F	WCAt/5622
T1814157004	Mine Cut 1D	SW-846 5030B	MSVt/2363	SW-846 8260B	MSVt/2364
T1814157005	Duplicate			SM 2540D	WCAt/5636

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157001	Equipment Blank	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157002	3B2B	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157003	3C2	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157004	Mine Cut 1D	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157005	Duplicate	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157007	Stream 3 A	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157008	TH-40	SW-846 3010A	DGMt/2150	SW-846 6010	ICPt/1673
T1814157007	Stream 3 A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157008	TH-40	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157009	TH-57	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157010	TH-28A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157011	Field Blank	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157012	TH-72	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157013	TH-58	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157014	Trip Blank	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157015	TH-78	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157016	TH-70A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157017	TH-69A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157018	TH-19	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157019	TH-36A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157020	TH-61	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157021	TH-61A	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157022	Trip Blank	SW-846 5030B	MSVt/2374	SW-846 8260B (SIM)	MSVt/2375
T1814157007	Stream 3 A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157008	TH-40	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157009	TH-57	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157010	TH-28A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157011	Field Blank	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157012	TH-72	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157013	TH-58	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157014	Trip Blank	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157015	TH-78	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157016	TH-70A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157017	TH-69A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157018	TH-19	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157019	TH-36A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157020	TH-61	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157021	TH-61A	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157022	Trip Blank	SW-846 5030B	MSVt/2376	SW-846 8260B	MSVt/2377
T1814157023	TH-71A			SM 4500NO3-F	WCAt/5646
T1814157024	TH-68			SM 4500NO3-F	WCAt/5646
T1814157025	TH-64			SM 4500NO3-F	WCAt/5646
T1814157026	TH-65			SM 4500NO3-F	WCAt/5646
T1814157027	TH-66A			SM 4500NO3-F	WCAt/5646
T1814157028	TH-66			SM 4500NO3-F	WCAt/5646
T1814157029	TH-67			SM 4500NO3-F	WCAt/5646
T1814157030	TH-22A			SM 4500NO3-F	WCAt/5646
T1814157031	Duplicate			SM 4500NO3-F	WCAt/5646
T1814157033	Barnes			SM 4500NO3-F	WCAt/5646
T1814157034	Holland			SM 4500NO3-F	WCAt/5646
T1814157001	Equipment Blank	SW-846 7470A	DGMt/2154	SW-846 7470A	CVAt/1311
T1814157002	3B2B	SW-846 7470A	DGMt/2154	SW-846 7470A	CVAt/1311
T1814157003	3C2	SW-846 7470A	DGMt/2154	SW-846 7470A	CVAt/1311
T1814157004	Mine Cut 1D	SW-846 7470A	DGMt/2154	SW-846 7470A	CVAt/1311
T1814157005	Duplicate	SW-846 7470A	DGMt/2154	SW-846 7470A	CVAt/1311
T1814157001	Equipment Blank			SM 2340C	WCAt/5655
T1814157002	3B2B			SM 2340C	WCAt/5655
T1814157003	3C2			SM 2340C	WCAt/5655
T1814157004	Mine Cut 1D			SM 2340C	WCAt/5655
T1814157007	Stream 3 A			SM 2340C	WCAt/5655
T1814157001	Equipment Blank			SM 2540D	WCAt/5660

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157002	3B2B			SM 2540D	WCAt/5660
T1814157003	3C2			SM 2540D	WCAt/5660
T1814157004	Mine Cut 1D			SM 2540D	WCAt/5660
T1814157007	Stream 3 A			SM 2540 C	WCAt/5663
T1814157008	TH-40			SM 2540 C	WCAt/5663
T1814157009	TH-57			SM 2540 C	WCAt/5663
T1814157010	TH-28A			SM 2540 C	WCAt/5663
T1814157011	Field Blank			SM 2540 C	WCAt/5663
T1814157012	TH-72			SM 2540 C	WCAt/5663
T1814157013	TH-58			SM 2540 C	WCAt/5663
T1814157007	Stream 3 A			EPA 410.4	WCAt/5674
T1814157001	Equipment Blank	Copper Sulfate Digestion	WCAt/5680	EPA 365.4	WCAt/5684
T1814157002	3B2B	Copper Sulfate Digestion	WCAt/5680	EPA 365.4	WCAt/5684
T1814157003	3C2	Copper Sulfate Digestion	WCAt/5680	EPA 365.4	WCAt/5684
T1814157004	Mine Cut 1D	Copper Sulfate Digestion	WCAt/5680	EPA 365.4	WCAt/5684
T1814157005	Duplicate	Copper Sulfate Digestion	WCAt/5680	EPA 365.4	WCAt/5684
T1814157008	TH-40			SM 4500-Cl-E	WCAt/5689
T1814157009	TH-57			SM 4500-Cl-E	WCAt/5689
T1814157036	Keene			SM 4500NO3-F	WCAt/5691
T1814157007	Stream 3 A			SM 2540D	WCAt/5695
T1814157007	Stream 3 A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157008	TH-40	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157009	TH-57	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157010	TH-28A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157011	Field Blank	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157012	TH-72	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157013	TH-58	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157015	TH-78	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157016	TH-70A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157017	TH-69A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157018	TH-19	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157019	TH-36A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157020	TH-61	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157021	TH-61A	SW-846 3010A	DGMj/2030	SW-846 6020	ICMj/1312
T1814157015	TH-78			SM 2540 C	WCAt/5714
T1814157016	TH-70A			SM 2540 C	WCAt/5714
T1814157017	TH-69A			SM 2540 C	WCAt/5714
T1814157018	TH-19			SM 2540 C	WCAt/5714
T1814157019	TH-36A			SM 2540 C	WCAt/5714
T1814157020	TH-61			SM 2540 C	WCAt/5714
T1814157021	TH-61A			SM 2540 C	WCAt/5714
T1814157007	Stream 3 A	Copper Sulfate Digestion	WCAt/5720	EPA 365.4	WCAt/5826
T1814157023	TH-71A	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157024	TH-68	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157025	TH-64	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157026	TH-65	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157027	TH-66A	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157028	TH-66	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157029	TH-67	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157030	TH-22A	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157031	Duplicate	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157032	Trip Blank	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157033	Barnes	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157034	Holland	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157035	Trip Blank	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405
T1814157036	Keene	SW-846 5030B	MSVt/2404	SW-846 8260B (SIM)	MSVt/2405

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157023	TH-71A	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157024	TH-68	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157025	TH-64	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157026	TH-65	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157027	TH-66A	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157028	TH-66	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157029	TH-67	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157030	TH-22A	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157031	Duplicate	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157032	Trip Blank	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157033	Barnes	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157034	Holland	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157035	Trip Blank	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157036	Keene	SW-846 5030B	MSVt/2406	SW-846 8260B	MSVt/2407
T1814157023	TH-71A	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157024	TH-68	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157025	TH-64	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157026	TH-65	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157027	TH-66A	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157028	TH-66	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157029	TH-67	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157030	TH-22A	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157031	Duplicate	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157033	Barnes	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157034	Holland	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157036	Keene	SW-846 3010A	DGMj/2040	SW-846 6020	ICMj/1317
T1814157009	TH-57	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157010	TH-28A	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157011	Field Blank	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157012	TH-72	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157013	TH-58	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157015	TH-78	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157016	TH-70A	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157017	TH-69A	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157018	TH-19	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157019	TH-36A	SW-846 3010A	DGMt/2177	SW-846 6010	ICPt/1680
T1814157023	TH-71A			SM 2540 C	WCAt/5730
T1814157024	TH-68			SM 2540 C	WCAt/5730
T1814157025	TH-64			SM 2540 C	WCAt/5730
T1814157026	TH-65			SM 2540 C	WCAt/5730
T1814157027	TH-66A			SM 2540 C	WCAt/5730
T1814157028	TH-66			SM 2540 C	WCAt/5730
T1814157029	TH-67			SM 2540 C	WCAt/5730
T1814157030	TH-22A			SM 2540 C	WCAt/5730
T1814157031	Duplicate			SM 2540 C	WCAt/5730
T1814157033	Barnes			SM 2540 C	WCAt/5730
T1814157034	Holland			SM 2540 C	WCAt/5730
T1814157010	TH-28A			SM 4500-Cl-E	WCAt/5742
T1814157011	Field Blank			SM 4500-Cl-E	WCAt/5742
T1814157012	TH-72			SM 4500-Cl-E	WCAt/5742
T1814157013	TH-58			SM 4500-Cl-E	WCAt/5742
T1814157015	TH-78			SM 4500-Cl-E	WCAt/5742
T1814157016	TH-70A			SM 4500-Cl-E	WCAt/5742
T1814157017	TH-69A			SM 4500-Cl-E	WCAt/5742
T1814157018	TH-19			SM 4500-Cl-E	WCAt/5742
T1814157019	TH-36A			SM 4500-Cl-E	WCAt/5742
T1814157020	TH-61			SM 4500-Cl-E	WCAt/5742
T1814157021	TH-61A			SM 4500-Cl-E	WCAt/5742
T1814157023	TH-71A			SM 4500-Cl-E	WCAt/5742
T1814157024	TH-68			SM 4500-Cl-E	WCAt/5742
T1814157025	TH-64			SM 4500-Cl-E	WCAt/5742
T1814157026	TH-65			SM 4500-Cl-E	WCAt/5742
T1814157027	TH-66A			SM 4500-Cl-E	WCAt/5742
T1814157028	TH-66			SM 4500-Cl-E	WCAt/5742

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157029	TH-67			SM 4500-Cl-E	WCAt/5742
T1814157030	TH-22A			SM 4500-Cl-E	WCAt/5742
T1814157001	Equipment Blank			SM 9222D	MICt/2195
T1814157002	3B2B			SM 9222D	MICt/2195
T1814157003	3C2			SM 9222D	MICt/2195
T1814157004	Mine Cut 1D			SM 9222D	MICt/2195
T1814157005	Duplicate			SM 9222D	MICt/2195
T1814157007	Stream 3 A	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157008	TH-40	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157009	TH-57	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157010	TH-28A	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157011	Field Blank	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157012	TH-72	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157013	TH-58	SW-846 7470A	DGMt/2179	SW-846 7470A	CVAt/1316
T1814157036	Keene			SM 2540 C	WCAt/5759
T1814157020	TH-61	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157021	TH-61A	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157023	TH-71A	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157024	TH-68	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157025	TH-64	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157026	TH-65	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157027	TH-66A	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157028	TH-66	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157029	TH-67	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157030	TH-22A	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157031	Duplicate	SW-846 3010A	DGMt/2191	SW-846 6010	ICPt/1685
T1814157008	TH-40			EPA 350.1	WCAt/5816
T1814157009	TH-57			EPA 350.1	WCAt/5816

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157010	TH-28A			EPA 350.1	WCAt/5816
T1814157011	Field Blank			EPA 350.1	WCAt/5816
T1814157012	TH-72			EPA 350.1	WCAt/5816
T1814157013	TH-58			EPA 350.1	WCAt/5816
T1814157015	TH-78			EPA 350.1	WCAt/5816
T1814157016	TH-70A			EPA 350.1	WCAt/5816
T1814157017	TH-69A			EPA 350.1	WCAt/5816
T1814157018	TH-19			EPA 350.1	WCAt/5816
T1814157019	TH-36A			EPA 350.1	WCAt/5816
T1814157020	TH-61			EPA 350.1	WCAt/5816
T1814157021	TH-61A			EPA 350.1	WCAt/5816
T1814157023	TH-71A			EPA 350.1	WCAt/5817
T1814157024	TH-68			EPA 350.1	WCAt/5817
T1814157015	TH-78	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157016	TH-70A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157017	TH-69A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157018	TH-19	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157019	TH-36A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157020	TH-61	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157021	TH-61A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157023	TH-71A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157024	TH-68	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157025	TH-64	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157026	TH-65	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157027	TH-66A	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157028	TH-66	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157029	TH-67	SW-846 7470A	DGMt/2195	SW-846 7470A	CVAt/1320
T1814157001	Equipment Blank			SM 10200 H	WCAg/3414
T1814157002	3B2B			SM 10200 H	WCAg/3414
T1814157003	3C2			SM 10200 H	WCAg/3414
T1814157004	Mine Cut 1D			SM 10200 H	WCAg/3414

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Fax: (813)630-4327

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157005	Duplicate			SM 10200 H	WCAg/3414
T1814157007	Stream 3 A			SM 10200 H	WCAg/3414
T1814157007	Stream 3 A			SM 9222D	MICt/2206
T1814157001	Equipment Blank			DEP SOP 10/03/83	WCAt/5884
T1814157002	3B2B			DEP SOP 10/03/83	WCAt/5884
T1814157003	3C2			DEP SOP 10/03/83	WCAt/5884
T1814157004	Mine Cut 1D			DEP SOP 10/03/83	WCAt/5884
T1814157005	Duplicate			DEP SOP 10/03/83	WCAt/5885
T1814157007	Stream 3 A			DEP SOP 10/03/83	WCAt/5885
T1814157025	TH-64			EPA 350.1	WCAt/5894
T1814157026	TH-65			EPA 350.1	WCAt/5894
T1814157027	TH-66A			EPA 350.1	WCAt/5894
T1814157028	TH-66			EPA 350.1	WCAt/5894
T1814157029	TH-67			EPA 350.1	WCAt/5894
T1814157030	TH-22A			EPA 350.1	WCAt/5894
T1814157031	Duplicate			EPA 350.1	WCAt/5894
T1814157033	Barnes			EPA 350.1	WCAt/5905
T1814157034	Holland			EPA 350.1	WCAt/5905
T1814157036	Keene			EPA 350.1	WCAt/5905
T1814157033	Barnes	SW-846 3010A	DGMt/2210	SW-846 6010	ICPt/1695
T1814157034	Holland	SW-846 3010A	DGMt/2210	SW-846 6010	ICPt/1695
T1814157036	Keene	SW-846 3010A	DGMt/2211	SW-846 6010	ICPt/1696
T1814157031	Duplicate			SM 4500-Cl-E	WCAt/5915
T1814157033	Barnes			SM 4500-Cl-E	WCAt/5915

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157034	Holland			SM 4500-Cl-E	WCAt/5915
T1814157036	Keene			SM 4500-Cl-E	WCAt/5915
T1814157001	Equipment Blank			SM 5310B	WCAg/3465
T1814157002	3B2B			SM 5310B	WCAg/3465
T1814157003	3C2			SM 5310B	WCAg/3465
T1814157004	Mine Cut 1D			SM 5310B	WCAg/3465
T1814157005	Duplicate			SM 5310B	WCAg/3465
T1814157007	Stream 3 A			SM 5310B	WCAg/3465
T1814157030	TH-22A	SW-846 7470A	DGMt/2229	SW-846 7470A	CVAt/1328
T1814157031	Duplicate	SW-846 7470A	DGMt/2229	SW-846 7470A	CVAt/1328
T1814157033	Barnes	SW-846 7470A	DGMt/2229	SW-846 7470A	CVAt/1328
T1814157034	Holland	SW-846 7470A	DGMt/2229	SW-846 7470A	CVAt/1328
T1814157036	Keene	SW-846 7470A	DGMt/2229	SW-846 7470A	CVAt/1328
T1814157005	Duplicate			SM 2340C	WCAt/6469
T1814157001	Equipment Blank	Calculation	CLCt/	Calculation	CLCt/
T1814157002	3B2B	Calculation	CLCt/	Calculation	CLCt/
T1814157002	3B2B	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157003	3C2	Calculation	CLCt/	Calculation	CLCt/
T1814157003	3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157004	Mine Cut 1D	Calculation	CLCt/	Calculation	CLCt/
T1814157004	Mine Cut 1D	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157005	Duplicate	Calculation	CLCt/	Calculation	CLCt/
T1814157007	Stream 3 A	Calculation	CLCt/	Calculation	CLCt/
T1814157007	Stream 3 A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157008	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157009	TH-57	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157010	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157012	TH-72	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157013	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1814157 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1814157015	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157016	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157017	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157018	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157019	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157020	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157021	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157023	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157024	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157025	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157026	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157027	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157028	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157029	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157030	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157033	Barnes	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157034	Holland	Field Measurements	FLDt/	Field Measurements	FLDt/
T1814157036	Keene	Field Measurements	FLDt/	Field Measurements	FLDt/

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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar D. Fuller	
Turn Around Time: ☑ STANDARD ☐ RUSH	
Page: 1 of: 2	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	40 CFR Part 258 Appendix I	Unionized Ammonia	Total Hardness as CaCO3	BOD-5	Fe, Hg	Nitrate	TDS, TSS	TOC	Fecal Coliform	Total Phosphorous	LABORATORY I.D. NUMBER
	Equipment Blank	—	8/20/18	10:10	OI	13		X	X	X	X	X	X	X	X	X	X	01
	3B2B	G	8/20/18	10:28	SW	13		X	X	X	X	X	X	X	X	X	X	02
	3C2	G	8/20/18	11:15	SW	13		X	X	X	X	X	X	X	X	X	X	03
	Mine Cut 2D	G	8/20/18	12:48	SW	13		X	X	X	X	X	X	X	X	X	X	04
	Duplicate	G	8/20/18	—	SW	13		X	X	X	X	X	X	X	X	X	X	05
	Trip Blank	—	8/20/18	—	—	1		X										06

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_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 5.2 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/20/18	14:55		8/20/18	1455
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

Advanced Environmental Laboratories, Inc.

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☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar J. Fuller	
Turn Around Time: ☒ STANDARD ☐ RUSH	
Page: 1 of: 2	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: Chlorophyll A	Nitrogen	COD	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
	Equipment Blank	—	8/20/18	10:10	DI	13		X	X	X		01
	3B2B	G	8/20/18	10:28	SW	13		X	X	X		02
	3C2	G	8/20/18	11:15	SW	13		X	X	X		03
	MineCut 10	G	8/20/18	12:49	SW	13		X	X	X		04
	Duplicate	G	8/20/18	—	SW	13		X	X	X		05
	Trip Blank	—	8/20/18	—	—	1		X				06

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_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 5.4 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/20/18	14:55		8/20/18	1455

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

1161451 Cont'd

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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar, J. Fuller	
Turn Around Time: ☑ STANDARD ☐ RUSH	
Page: 1 of: 2	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Unionized Ammonia	Total Hardness as CaCO3	BOD-5	Fe, Hg	Nitrate	TDS, TSS	TOC	Fecal Coliform	Total Phosphorous	LABORATORY I.D. NUMBER
	Stream 3A	G	8/21/14	13:55	SW	13			X	X	X	X	X	X	X	X	>	X	09

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 = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 6.2 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 (T: 10A) A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/21/14	14:35		8/21/14	1436
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar J. Fuller	
Turn Around Time: ☑ STANDARD ☐ RUSH	
Page: 2 of: 2	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: Chlorophyll A	Nitrogen	COD	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
	Stream 3A	G	8/21/14	13.55	SW	13		X	X	X		09

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_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 6.0 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/21/14		[signature]	8/21/14	1435
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual	BOTTLE SIZE & TYPE	
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A	ANALYSIS REQUIRED	40 CFR Part 258 Appendix I; Fe, Hg, Na; Total Ammonia-N; Nitrate; Chloride; TDS
Tampa, Florida 33619	Project Location: Southeast County Landfill		
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:		
FAX: (813) 274-6801			
Contact: Michael Townsel			
Sampled By: T. Aguilar J. Fuller			
Turn Around Time: ☒ STANDARD ☐ RUSH			
Page: 1 of: 1			

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	LABORATORY I.D. NUMBER
	TH-40	G	8/21/14	10:37	GW	8		008
	TH-57	G	8/21/14	11:01	GW	8		009
	TH-28A	G	8/21/14	11:27	GW	8		010
	Field Blank	—	8/21/14	12:00	DI	8		011
	TH-72	G	8/21/14	13:09	GW	8		012
	TH-58	G	8/21/14	13:36	GW	8		013
	Trip Blank	—	8/21/14	—	—	1		014

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 = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 2.2 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/21/14	14:38		8/21/14	1438
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

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Client Name: Hills. Co. Public Utilities
Address: 332 North Falkenburg Rd.
Tampa, Florida 33619
Phone: (813) 663-3222
FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: T. Aguilar J. Fuller
Turn Around Time: ☑ STANDARD ☐ RUSH
Page: 1 of: 1

Project Name: SELF Semi-Annual
P.O. Number/Project Number: N/A
Project Location: Southeast County Landfill
REMARKS/SPECIAL INSTRUCTIONS:

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	TH-78	G	8/22/18	10:50	GW	8		X	X	X	X	X	X				015	27
	TH-70A	G	8/22/18	11:33	GW	8		X	X	X	X	X	X				016	22
	TH-69A	G	8/22/18	11:54	GW	8		X	X	X	X	X	X				017	23
	TH-19	G	8/22/18	13:01	GW	8		X	X	X	X	X	X				018	24
	TH-36A	G	8/22/18	13:30	GW	8		X	X	X	X	X	X				019	25
	TH-61	G	8/22/18	13:51	GW	8		X	X	X	X	X	X				020	26
	TH-61A	G	8/22/18	14:17	GW	8		X	X	X	X	X	X				021	29
	Trip Blank	—	8/22/18	—	—	1		X									022	26
																		9
																		8/23/18

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 = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked

Temperature when received 2.0 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/22/18	15:09		8/23/18	1508
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:
Contact Person: Phone:
Supplier of Water:
Site-Address:

Advanced Environmental Laboratories, Inc.

☐ **Altamonte Springs:** 528 S. Northlake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
☐ **Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar J. Fuller	
Turn Around Time: ☒ STANDARD ☐ RUSH	
Page: 1 of: 1	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS				LABORATORY I.D. NUMBER
	TH-71A	G	8/23/18	9:31	GW	8			X	X	X	X	X	X				023
	TH-68	G	8/23/18	11:22	GW	8			X	X	X	X	X	X				024
	TH-64	G	8/23/18	11:53	GW	8			X	X	X	X	X	X				025
	TH-65	G	8/23/18	12:17	GW	8			X	X	X	X	X	X				026
	TH-66A	G	8/23/18	12:44	GW	8			X	X	X	X	X	X				027
	TH-66	G	8/23/18	13:08	GW	8			X	X	X	X	X	X				028
	TH-67	G	8/23/18	13:34	GW	8			X	X	X	X	X	X				029
	TH-22A	G	8/23/18	14:19	GW	8			X	X	X	X	X	X				030
	Duplicate	G	8/23/18	—	GW	8			X	X	X	X	X	X				031
	Trip Blank	—	8/23/18	—	—	1			X									032

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_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 5.5 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/23/18	15:07		8/23/18	1507
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

Advanced Environmental Laboratories, Inc.

☐ **Altamonte Springs:** 528 S. Northlake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
☐ **Gainesville:** 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639
☐ **Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar J. Fuller	
Turn Around Time: ☒ STANDARD ☐ RUSH	
Page: 1 of: 1	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
								BOTTLE SIZE & TYPE									HP	
	Barnes	G	8/24/18	10:20	GW	8		X	X	X	X	X	✓				033	
	Holland	G	8/24/18	10:49	GW	8		X	X	X	X	X	X				034	
	Trip Blank	G	8/24/18	—	—	1		X									035	

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_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 3.5 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/24/18	11:35	[signature]	8/24/18	1135
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

Advanced Environmental Laboratories, Inc.

☐ **Altamonte Springs:** 528 S. Northlake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597
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☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
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1181415 6070

Client Name: Hills. Co. Public Utilities	Project Name: SELF Semi-Annual
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS:
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar J. Fuller	
Turn Around Time: ☒ STANDARD ☐ RUSH	
Page: 1 of: 1	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS						LABORATORY I.D. NUMBER
	Keene	G	8/27/15	10:02	GW	8		X	X	X	X	X	X					DRO	4
																		HP	X 12

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 = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 3.5 (in degrees celcius)

Form revised 09/19/2012

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/27/15	11:08	[signature]	8/27/15	1108
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: ~~Field Blank~~ Equipment 8/20/18 TK	SAMPLE ID: ~~Field Blank~~ Equipment 8/20/18 TK	DATE: 8/20/18

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: 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)
	Equipment										
	Blank										
							8/20/18				
							TK				

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:10	SAMPLING ENDED AT: 10:15
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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)

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; 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: 3B2B	SAMPLE ID: 3B2B	DATE: 8/20/18

PURGING DATA

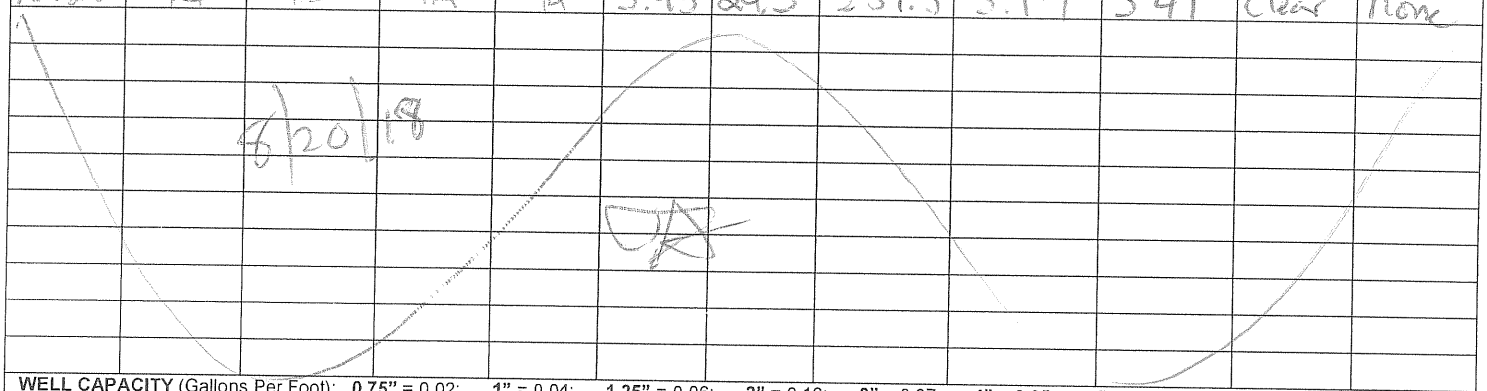
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A ft	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: N/A

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)
10:26	N/A	N/A	N/A	N/A	5.95	24.5	239.3	3.17	3.41	clear	none



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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:28	SAMPLING ENDED AT: 10:38
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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)

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 10:28 (104.6)

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: Stream 3C2	SAMPLE ID: Stream 3C2	DATE: 8/20/18

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): 1.94 ~~N/A~~	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) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:15	N/A	N/A	N/A	1.94	6.58	26.4	341.7	3.94	2.72	Clear	None

DA

8/20/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:15	SAMPLING ENDED AT: 11:25
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 11:15 (94.1)

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: Mine-Cut 1D	SAMPLE ID: Mine-Cut 1D	DATE: 8/20/18

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): 3.7 N/A	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) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:48	N/A	N/A	N/A	3.7	5.91	27.9	437.8	0.37	3.69	Clear	None

OA

8/20/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:46	SAMPLING ENDED AT: 12:58
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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			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: 12:48 (77.1)

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: Duplicate	SAMPLE ID: Duplicate	DATE: 8/20/16

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:

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 0.16 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)

Duplicate

8/20/16

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: T. Aguilar J. Fulk	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: —	SAMPLING ENDED AT: —
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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)

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; 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: Stream 3A	SAMPLE ID: Stream 3A	DATE: 8/21/18

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): 0.98 N/A	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY 8/21/18
(only fill out if applicable)

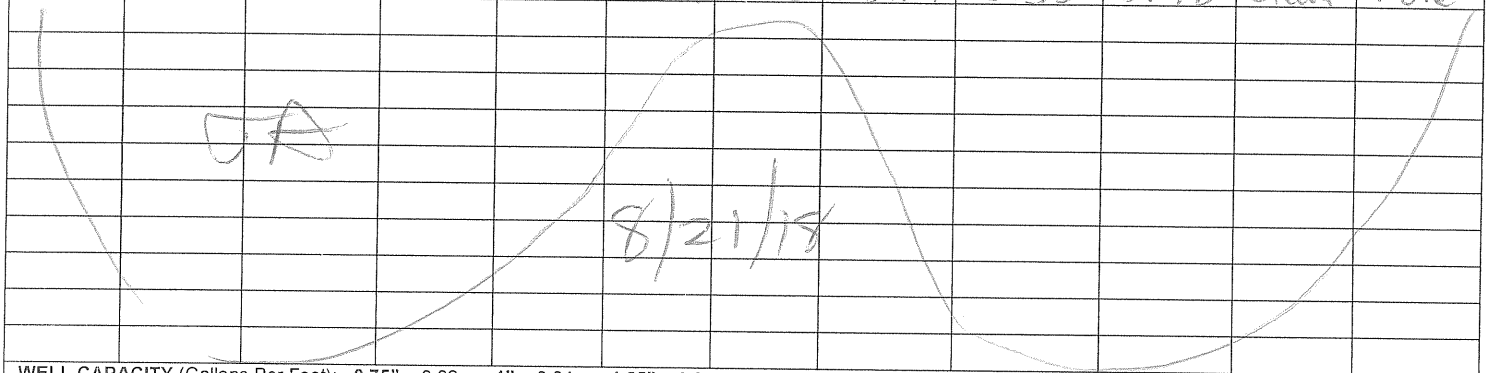
= (N/A feet – N/A feet) X N/A gallons/foot = N/A gallons

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)
13:55	N/A	N/A	N/A	0.98	6.09	25.6	281.4	0.33	3.98	Clear	None



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: T. Aguilar / J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:55	SAMPLING ENDED AT: 14:00
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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)

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 13:55 (-99.0)

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: ± 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: 8/21/18

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): 80.97	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)

= (165.9 feet − 80.97 feet) X 0.16 gallons/foot = 13.59 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: 10:05	PURGING ENDED AT: 10:37	TOTAL VOLUME PURGED (gallons): 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 µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:33	14	14	0.5	80.97	7.40	23.8	402.3	0.19	0.26	Clear	None
10:35	1	15	0.5	80.97	7.42	23.8	400.0	0.19	0.36	Clear	None
10:37	1	16	0.5	80.97	7.44	23.8	394.2	0.21	0.32	Clear	None

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:37	SAMPLING ENDED AT: 10:41
PUMP OR TUBING DEPTH IN WELL (feet): 164.9	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 10:33 (-130.9), 10:35 (-133.1), 10:37 (-135.3)

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: ± 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: 8/21/18

PURGING DATA

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): 18.20	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 – 18.20 feet) X 0.16 gallons/foot = 1.381 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: 10:50	PURGING ENDED AT: 11:01	TOTAL VOLUME PURGED (gallons): 2.31

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)
10:57	1.47	1.47	0.21	18.40	5.27	28.5	358.1	0.31	1.18	Clear	None
10:59	0.42	1.89	0.21	18.40	5.26	28.5	350.8	0.26	0.84	Clear	None
11:01	0.42	2.31	0.21	18.40	5.26	28.5	346.5	0.34	0.75	Clear	None

8/24/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:01	SAMPLING ENDED AT: 11:05
PUMP OR TUBING DEPTH IN WELL (feet): 25.83	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			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:** 10:57 (-106.7), 10:59 (-121.3), 11:01 (-133.7)

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: 8/21/18

PURGING DATA

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): 27.56	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)

= (34.3 feet – 27.56 feet) X 0.16 gallons/foot = 1.08 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: 11:12	PURGING ENDED AT: 11:27	TOTAL VOLUME PURGED (gallons): 1.5

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)
11:23	1.1	1.1	0.1	27.72	5.11	28.3	326.3	0.92	2.58	Clear	None
11:25	0.2	1.3	0.1	27.72	5.10	28.2	316.2	0.61	2.32	Clear	None
11:27	0.2	1.5	0.1	27.72	5.07	28.3	311.7	0.39	2.64	Clear	None

8/21/18

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: T. Aguilar J. Fulk	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:27	SAMPLING ENDED AT: 11:31
PUMP OR TUBING DEPTH IN WELL (feet): 33.3	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)

REMARKS: **SEE COC FOR ANALYSIS** ORP: 11:23 (-72.6), 11:25 (-82.4), 11:27 (-89.6)

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: Field Blank	SAMPLE ID: Field Blank	DATE: 8/21/14

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: 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)

Field Blank OK 8/21/14

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. Aguilar / J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:00	SAMPLING ENDED AT: 12:04

PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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)

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; 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-72	SAMPLE ID: TH-72	DATE: 8/21/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 180 ft to 190 ft	STATIC DEPTH TO WATER (feet): 83.37	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 – 83.37 feet) X 0.16 gallons/foot = 17.1 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): 189	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 189	PURGING INITIATED AT: 11:43	PURGING ENDED AT: 13:09	TOTAL VOLUME PURGED (gallons): 18.06

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)
13:05	17.22	17.22	0.21	83.37	6.62	24.2	1645	0.09	0.29	Clear	None
13:07	0.42	17.64	0.21	83.37	6.65	24.2	1643	0.10	0.74	Clear	None
13:09	0.42	18.06	0.21	83.37	6.65	24.2	1651	0.09	0.25	Clear	None

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: T. Aguilar S. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:09	SAMPLING ENDED AT: 13:13

PUMP OR TUBING DEPTH IN WELL (feet): 189	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)

REMARKS: **SEE COC FOR ANALYSIS** ORP: 13:05 (-160.6), 13:07 (-163.1), 13:09 (-164.3)

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: ± 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-58	SAMPLE ID: TH-58	DATE: 8/21/18

PURGING DATA

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): 27.63	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 – 27.63 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): 31.92	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.92	PURGING INITIATED AT: 13:24	PURGING ENDED AT: 13:36	TOTAL VOLUME PURGED (gallons): 1.92

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)
13:30	0.96	0.96	0.16	27.83	5.84	27.4	634	0.43	0.96	Clear	
13:32	0.32	1.28	0.16	27.83	5.80	27.4	605	0.30	0.96	Clear	
13:34	0.32	1.6	0.16	27.83	5.79	27.4	588	0.26	0.85	Clear	
13:36	0.32	1.92	0.16	27.83	5.79	27.3	579	0.23	0.81	Clear	

8/21/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:36	SAMPLING ENDED AT: 13:40
PUMP OR TUBING DEPTH IN WELL (feet): 31.92	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 13:30(-23.8) 13:32(-27.4) 13:34(-30.0) 13:36(-31.9)

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-78	SAMPLE ID: TH-78	DATE: 9/22/13

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 163.14 ft to 178.14 ft	STATIC DEPTH TO WATER (feet): 67.66	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)

= (178.14 feet – 67.66 feet) X 0.16 gallons/foot = 17.7 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 ~~1~~ 4/22/13 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: 9:37	PURGING ENDED AT: 10:50	TOTAL VOLUME PURGED (gallons): 18.96

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)
10:46	17.94	17.94	0.26	67.71	7.92	23.5	545	0.10	0.39	Clear	None
10:48	0.52	18.46	0.26	67.71	7.89	23.5	545	0.09	0.44	Clear	None
10:50	0.52	18.98	0.26	67.71	7.88	23.5	544	0.09	0.44	Clear	None

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: T. Fuller J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:50	SAMPLING ENDED AT: 10:54
PUMP OR TUBING DEPTH IN WELL (feet): 177.14	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			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: 10:46 (-234.5), 10:48 (-234.2), 10:50 (-234.8)

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: TH-70A	SAMPLE ID: TH-70A	DATE: 8/22/18

PURGING DATA

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): 25.92	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)

= (36.58 feet − 25.92 feet) X 0.16 gallons/foot = 1.71 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: 11:08	PURGING ENDED AT: 11:33	TOTAL VOLUME PURGED (gallons): 10.5

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)
11:13	2.1	2.1	0.42	26.02	6.51	26.0	653	0.60	97	Orange	None
11:18	2.1	4.2	0.42	26.02	6.39	25.9	635	0.26	144	Orange	None
11:23	2.1	6.3	0.42	26.02	6.38	25.8	634	0.15	105.4	Orange	None
11:28	2.1	8.4	0.42	26.02	6.38	25.8	635	0.10	84.9	Orange	None
11:33	2.1	10.5	0.42	26.02	6.37	25.8	637	0.13	74.3	Orange	None
			8/22/18								

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: T. Aguilar J. Faller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:33	SAMPLING ENDED AT: 11:37
PUMP OR TUBING DEPTH IN WELL (feet): 35.58	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			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			
							ORP: 11:33	(-95.4)	

REMARKS: **SEE COC FOR ANALYSIS** ORP: 11:13(-95.5), 11:18(-92.4), 11:23(-94.5) 11:28(-95.4)

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-69A	SAMPLE ID: TH-69A	DATE: 8/22/18

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): 24.13	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 – 24.13 feet) X 0.16 gallons/foot = 1.74 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: 11:44	PURGING ENDED AT: 11:54	TOTAL VOLUME PURGED (gallons): 3.30

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)
11:50	1.98	1.98	0.33	24.52	6.14	26.1	532	6.12	12.7	Clear	None
11:52	0.66	2.64	0.33	24.52	6.15	26.0	531	0.11	7.39	Clear	None
11:54	0.66	3.30	0.33	24.52	6.14	26.0	532	0.11	6.23	Clear	None

CA

8/22/18

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: T. Aguilar / J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:54	SAMPLING ENDED AT: 11:58
PUMP OR TUBING DEPTH IN WELL (feet): 34	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 11:50(-22.3), 11:52(-24.9), 11:54(-28.1)

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-19	SAMPLE ID: TH-19	DATE: 8/22/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 143.6 ft to 153.6 ft	STATIC DEPTH TO WATER (feet): 86.48	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 feet – 86.48 feet) X 0.16 gallons/foot = 10.74 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): 152.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 152.6	PURGING INITIATED AT: 12:19	PURGING ENDED AT: 13:01	TOTAL VOLUME PURGED (gallons): 12.18

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)
12:57	11.02	11.02	0.29	86.60	7.30	23.6	423.6	0.30	0.78	Clear	None
12:59	0.58	11.60	0.29	86.60	7.29	23.6	423.6	0.31	0.93	Clear	None
13:01	0.58	12.18	0.29	86.60	7.30	23.6	423.6	0.29	1.23	Clear	None

8/22/18

CA

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:01	SAMPLING ENDED AT: 13:05

PUMP OR TUBING DEPTH IN WELL (feet): 152.6	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 12:57(-90.1), 12:59(-90.8), 13:01(-92.5)

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: TH-36A	SAMPLE ID: TH-36A	DATE: 8/22/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 28.7 ft to 38.7 ft	STATIC DEPTH TO WATER (feet): 31.51	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)

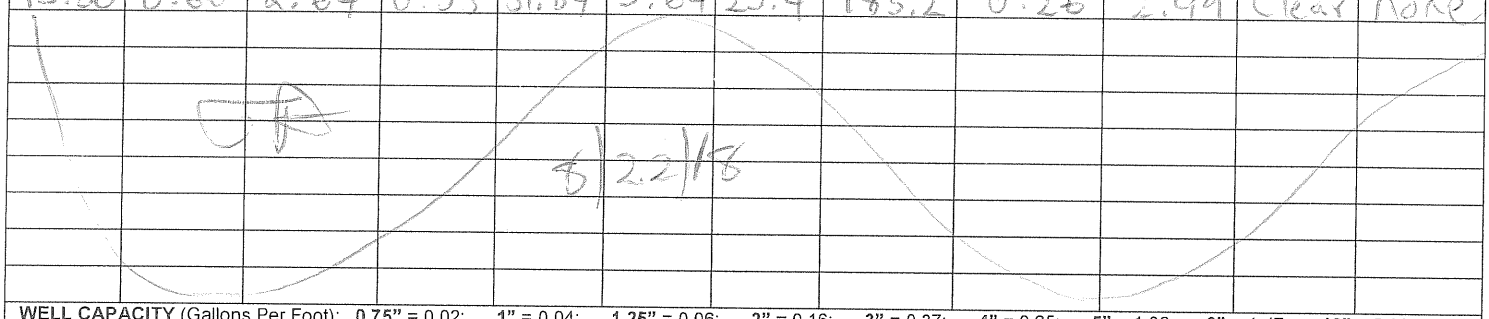
= (38.7 feet – 31.51 feet) X 0.16 gallons/foot = 1.15 gallons

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): 37.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37.7	PURGING INITIATED AT: 13:22	PURGING ENDED AT: 13:30	TOTAL VOLUME PURGED (gallons): 2.64

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)
13:26	1.32	1.32	0.33	31.84	5.72	25.4	189.6	0.32	17.50	Clear	None
13:28	0.66	1.98	0.33	31.84	5.63	25.4	185.6	0.26	6.30	Clear	None
13:30	0.66	2.64	0.33	31.84	5.64	25.4	185.2	0.26	2.94	Clear	None



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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:30	SAMPLING ENDED AT: 13:34
PUMP OR TUBING DEPTH IN WELL (feet): 37.7	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)

REMARKS: **SEE COC FOR ANALYSIS** ORP: 13:26 (101.0), 13:28 (81.7) 13:30 (72.5)

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: TH-61	SAMPLE ID: TH-61	DATE: 6/22/18

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): 15.39	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)

= (25.9 feet – 15.39 feet) X 0.16 gallons/foot = 1.68 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): 24.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24.9	PURGING INITIATED AT: 13:40	PURGING ENDED AT: 13:51	TOTAL VOLUME PURGED (gallons): 2.86

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)
13:47	1.82	1.82	0.26	16.55	5.67	26.0	159.1	0.87	1.48	Clear	None
13:49	0.52	2.34	0.26	16.55	5.64	25.9	156.4	0.36	1.27	Clear	None
13:51	0.52	2.86	0.26	16.55	5.63	25.8	155.4	0.29	1.24	Clear	None
					6/22/18						

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: T. Aguilar T. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:51	SAMPLING ENDED AT: 13:55
PUMP OR TUBING DEPTH IN WELL (feet): 24.9	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 13:47 (-0.7), 13:49 (-9.1), 13:51 (-16.8)

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: TH-61A	SAMPLE ID: TH-61A	DATE: 8/22/18

PURGING DATA

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): 13.04	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)

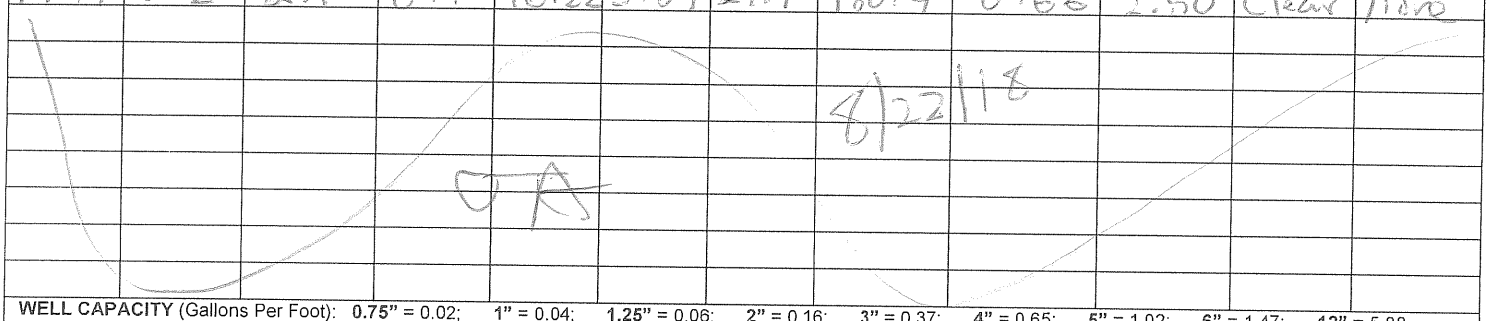
= (23.18 feet – 13.04 feet) X 0.16 gallons/foot = 1.62 gallons

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): 22.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18	PURGING INITIATED AT: 13:56	PURGING ENDED AT: 14:17	TOTAL VOLUME PURGED (gallons): 2.1

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)
14:13	1.7	1.7	0.1	16.22	5.85	27.2	184.7	0.57	3.10	Clear	None
14:15	0.2	1.9	0.1	16.22	5.84	27.2	181.6	0.57	2.65	Clear	None
14:17	0.2	2.1	0.1	16.22	5.84	27.1	180.4	0.66	2.50	Clear	None



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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:17	SAMPLING ENDED AT: 14:21
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)

REMARKS: **SEE COC FOR ANALYSIS** ORP: 14:13 (53.09), 14:15 (64.7), 14:17 (68.1)

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-71A	SAMPLE ID: TH-71A	DATE: 8/23/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.5	WELL SCREEN INTERVAL DEPTH: 22.78 ft to 37.78 ft	STATIC DEPTH TO WATER (feet): 23.60	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)

= (37.78 feet – 23.60 feet) X 0.16 gallons/foot = 2.3 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): 36.78	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78	PURGING INITIATED AT: 9:06	PURGING ENDED AT: 9:31	TOTAL VOLUME PURGED (gallons): 11.5

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)
9:11	2.3	2.3	0.46	25.85	6.16	25.1	1263	0.10	52.8	Clear	None
9:16	2.3	4.6	0.46	25.85	6.15	25.1	1271	0.23	60.4	Orange	None
9:21	2.3	6.9	0.46	25.85	6.15	25.1	1269	0.10	56.9	Orange	None
9:26	2.3	9.2	0.46	25.85	6.16	25.1	1268	0.07	47.1	Orange	None
9:31	2.3	11.5	0.46	25.85	6.16	25.1	1267	0.06	37.7	lt. Orange	None

8/23/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:31	SAMPLING ENDED AT: 9:35
PUMP OR TUBING DEPTH IN WELL (feet): 36.78	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)
							ORP: 9:31	(-75.6)	

REMARKS: **SEE COC FOR ANALYSIS** ORP: 9:11(-54.0) 9:16(-66.1) 9:21(-70.7) 9:26(-74.0)

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: ± 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: 5/23/16

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): 7.42	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)

= (22.2 feet – 7.42 feet) X 0.16 gallons/foot = 2.4 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): 21.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.2	PURGING INITIATED AT: 9:42	PURGING ENDED AT: 11:22	TOTAL VOLUME PURGED (gallons): 12.0

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)
10:02	2.4	2.4	0.12	19.8	5.66	28.4	206.0	1.85	73.4	Brownish	None
10:22	2.4	4.8	0.12	19.8	5.57	28.3	206.7	1.73	56.0	Brownish	None
10:42	2.4	7.2	0.12	19.8	5.52	28.3	206.3	1.58	39.5	Lt. Brown	None
11:02	2.4	9.6	0.12	19.6	5.52	28.4	206.1	1.58	46.8	Lt. Brown	None
11:22	2.4	12.0	0.12	19.6	5.49	28.4	205.8	1.57	36.2	Lt. Brown	None
		5/23/16									

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:22	SAMPLING ENDED AT: 11:26
PUMP OR TUBING DEPTH IN WELL (feet): 21.2	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)
							ORP: 11:02	(-76.8)	
							11:22	(-82.5)	

REMARKS: SEE COC FOR ANALYSIS ORP: 10:02 (-37.6), 10:22 (-61.7), 10:42 (-70.7)

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: 8/23/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 9.20 ft to 19.20 ft	STATIC DEPTH TO WATER (feet): 14.97	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 – 14.97 feet) X 0.16 gallons/foot = 0.68 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: 11:33	PURGING ENDED AT: 11:53	TOTAL VOLUME PURGED (gallons): 4.20

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)
11:37	0.84	0.84	0.21	15.29	5.38	28.3	205.2	3.35	158	Brown	None
11:41	0.84	1.68	0.21	15.29	5.29	27.4	176.2	1.21	115	Brown	None
11:45	0.84	2.52	0.21	15.29	5.27	27.3	174.3	0.76	72.9	Brown	None
11:49	0.84	3.36	0.21	15.29	5.27	27.3	173.8	0.57	65.0	Cloudy	None
11:53	0.84	4.20	0.21	15.29	5.25	27.3	173.7	0.38	67.5	Cloudy	None

8/23/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:53	SAMPLING ENDED AT: 11:57
PUMP OR TUBING DEPTH IN WELL (feet): 18.2	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)
							ORP: 11:53 (78.3)		

REMARKS: SEE COC FOR ANALYSIS ORP: 11.37 (150.0), 11:41 (166.6), 11:45 (150.1), 11.49 (119.6)

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: 8/23/18

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): 12.85	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 feet – 12.85 feet) X 0.16 gallons/foot = 1.624 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): 22	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22	PURGING INITIATED AT: 12:06	PURGING ENDED AT: 12:17	TOTAL VOLUME PURGED (gallons): 3.63

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)
12:11	1.65	1.65	0.33	14.70	5.60	26.0	236.7	1.58	6.19	Clear	None
12:13	0.66	2.31	0.33	14.70	5.56	25.8	229.0	0.47	3.33	Clear	None
12:15	0.66	2.97	0.33	14.70	5.57	25.7	226.5	0.24	3.62	Clear	None
12:17	0.66	3.63	0.33	14.70	5.56	25.6	226.7	0.33	3.20	Clear	None

8/23/18 DA

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:17	SAMPLING ENDED AT: 12:21
PUMP OR TUBING DEPTH IN WELL (feet): 22	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)

REMARKS: SEE COC FOR ANALYSIS ORP: 12:11 (-133.6) 12:13 (-155.5) 12:15 (-158.3) 12:17 (-162.5)

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: TH-66A	SAMPLE ID: TH-66A	DATE: 8/23/18

PURGING DATA

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): 7.45	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 – 7.45 feet) X 0.16 gallons/foot = 1.27 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: 12:27	PURGING ENDED AT: 12:44	TOTAL VOLUME PURGED (gallons): 1.7

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)
12:40	1.3	1.3	0.1	9.00	6.07	28.0	277.4	0.33	1.48	Clear	None
12:42	0.2	1.5	0.1	9.00	6.06	28.1	278.9	0.29	1.21	Clear	None
12:44	0.2	1.7	0.1	9.00	6.05	28.2	279.8	0.21	1.02	Clear	None

8/23/18 OK

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:49	SAMPLING ENDED AT: 12:48
PUMP OR TUBING DEPTH IN WELL (feet): 14.37	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			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: 12:40 (-181.1), 12:42 (-182.3), 12:44 (-184.8)

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: TH-66	SAMPLE ID: TH-66	DATE: 6/23/16

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): 7.13	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)

= (21.30 feet – 7.13 feet) X 0.16 gallons/foot = 2.27 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): 20.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	PURGING INITIATED AT: 12:53	PURGING ENDED AT: 13:08	TOTAL VOLUME PURGED (gallons): 3.15

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)
13:04	2.31	2.31	0.21	7.50	5.90	26.3	330.9	0.12	1.06	Clear	None
13:06	0.42	2.73	0.21	7.50	5.91	26.4	325.6	0.10	0.83	Clear	None
13:08	0.42	3.15	0.21	7.50	5.92	26.4	320.6	0.09	0.89	Clear	None

6/23/16

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: T. Aguilar S. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:08	SAMPLING ENDED AT: 13:12
PUMP OR TUBING DEPTH IN WELL (feet): 20.30	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			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: 13:04 (-116.4), 13:06 (-118.3), 13:08 (-119.1)

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-67	SAMPLE ID: TH-67	DATE: 8/23/18

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): 3.35	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)

= (15.25 feet – 3.35 feet) X 0.16 gallons/foot = 1.904 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): 14.25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.25	PURGING INITIATED AT: 13:18	PURGING ENDED AT: 13:34	TOTAL VOLUME PURGED (gallons): 2.56

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)
13:30	1.92	1.92	0.16	4.32	6.51	27.9	177.8	0.20	3.70	Clear	None
13:32	0.32	2.24	0.16	4.32	6.50	28.0	176.2	0.20	3.52	Clear	None
13:34	0.32	2.56	0.16	4.32	6.48	29.1	174.5	0.15	3.22	Clear	None

8/23/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:34	SAMPLING ENDED AT: 13:38
PUMP OR TUBING DEPTH IN WELL (feet): 14.25	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			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: 13:30 (-91.1), 13:32 (-90.4), 13:34 (-88.4)

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-22A	SAMPLE ID: TH-22A	DATE: 8/23/18

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): 4.95	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 – 4.95 feet) X 0.16 gallons/foot = 3.67 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: 13:55	PURGING ENDED AT: 14:19	TOTAL VOLUME PURGED (gallons): 9.6

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 µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:05	4.0	4.0	0.4	5.83	4.49	24.4	180.7	0.17	23.7	Clear	None
14:07	0.8	4.8	0.4	5.83	4.48	24.4	180.7	0.89	22.1	Clear	None
14:15	3.2	8.0	0.4	5.83	4.49	24.4	181.9	0.12	19.6	Clear	None
14:17	0.8	8.8	0.4	5.83	4.49	24.4	180.7	0.11	18.7	Clear	None
14:19	0.8	9.6	0.4	5.83	4.52	24.4	180.9	0.10	17.6	Clear	None

8/23/18

OA

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:19	SAMPLING ENDED AT: 14:23
PUMP OR TUBING DEPTH IN WELL (feet): 26.90	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)
							ORP: 14:19 (-2.8)		

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 14:05 (38.0), 14:07 (32.1), 14:15 (6.9), 14:17 (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: Duplicate	SAMPLE ID: Duplicate	DATE: 8/23/18

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:

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 0.16 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)

Duplicate
JA
8/23/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: —	SAMPLING ENDED AT: —
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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			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: 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; **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: 8/24/18

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: 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: 10:01	PURGING ENDED AT: 10:20	TOTAL VOLUME PURGED (gallons): 95

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)
10:16	75	75	5	N/A	7.35	23.7	395.6	0.64	0.33	Clear	None
10:18	10	85	5	N/A	7.36	23.7	395.9	0.55	0.43	Clear	None
10:20	10	95	5	N/A	7.36	23.7	396.6	0.49	0.39	Clear	None

8/24/18

N/A

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: T. Aguilar & J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:20	SAMPLING ENDED AT: 10:24
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	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			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:** 10:16 (25.3), 10:18 (25.1), 10:20 (10.9)

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: Holland	SAMPLE ID: Holland	DATE: 8/24/18

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: 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: 10:30	PURGING ENDED AT: 10:49	TOTAL VOLUME PURGED (gallons): 9.5

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)
10:45	7.5	7.5	5	N/A	7.13	24.2	433.2	0.03	0.38	clear	none
10:47	1.0	8.5	5	N/A	7.13	24.3	434.0	0.04	0.36	clear	none
10:49	1.0	9.5	5	N/A	7.12	24.3	432.3	0.03	0.37	clear	none

8/24/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:49	SAMPLING ENDED AT: 10:53
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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			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:** 10:45 (-160.7), 10:47 (-161.3), 10:49 (-162.1)

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: Keene	SAMPLE ID: Keene	DATE: 8/27/18

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: 9:43	PURGING ENDED AT: 10:02	TOTAL VOLUME PURGED (gallons): 95

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)
9:58	75	75	5	N/A	7.48	24.9	362.9	0.05	—	Clear	None
10:00	10	85	5	N/A	7.48	24.9	362.9	0.05	—	Clear	None
10:02	10	95	5	N/A	7.47	24.9	362.9	0.06	1.40	Clear	None

8/27/18

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: T. Aguilar J. Fuller	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:02	SAMPLING ENDED AT: 10:06
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	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)

REMARKS: **SEE COC FOR ANALYSIS** ORP: 9:58(-61.9), 10:00(-68.3) 10:02(-73.0)

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: ± 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

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The lower control criterion was exceeded for the following surrogate in T1814053001, 002, 003, T1814157002, 003, 004, 005, MS 2816403, MSD 2816404, and T1814157005 due to matrix interference: bromofluorobenzene. The quality of the sample data is not significantly affected as internal standard area counts met criteria. The surrogate has been qualified in these samples for matrix interference.

D. Spikes: The relative percent difference (RPD) for the following analytes in the replicate matrix spike analyses of T1814157004 was outside control criteria: MTBE and Toluene. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The lower control criterion was exceeded for the following surrogate in MS 2817810 due to matrix interference: bromofluorobenzene. The quality of the sample data is not significantly affected as internal standard area counts met criteria. The sample has been qualified for matrix interference.

D. Spikes: The matrix spike duplicate (MSD) recoveries of toluene, ethylbenzene, xylene m+p, and xylene o for G1807388010 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Matrix Spike (MS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The sample has been qualified for matrix interference.

The relative percent difference (RPD) for the following analytes in the replicate matrix spike analyses of G1807388010 was outside control criteria: MTBE, Benzene, toluene, ethylbenzene, xylene m+p, and xylene o. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

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ProjectID: SELF Semi-Annual

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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The lower control criterion was exceeded for the following surrogate in T1814157007, 008, 009, 010, 011, 013, 014, 015, 017, 018, 020, 022, MSD 2819082, T1814250007, and 008 due to matrix interference: bromofluorobenzene. The quality of the sample data is not significantly affected as internal standard area counts met criteria. The surrogate has been qualified in the samples for matrix interference.

D. Spikes: All acceptance criteria were met.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

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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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The relative percent difference (RPD) for the following analytes in the replicate matrix spike analyses of T1814157025 was outside control criteria: 1,1-dichloroethylene, benzene, and trichloroethylene. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Chloride for T1814157010 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 low bias in this matrix. No further corrective action is required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Ammonia for T1814157008 and A1806426002 were 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 and low bias, respectively, in these matricies. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of TKN for T1813958001 and T1814050001 were 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 these matricies. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of TP for T1813881001 and T1814050001 were 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 these matricies. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1814157

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

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: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries of Ammonia for T1814538002 were 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.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Queue: WCAg

Batch Number: 3465

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: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of TOC for T1814157002 was 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.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced
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Office (904) 363-9350
Fax (904) 363-9354

Queue: ICPt

Batch Number: 1696

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

A. Calibration: All acceptance criteria were met.

B. Blanks: The Method Blank (MB) contained low levels of Zn 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.

C. Duplicates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other: