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: 11/28/17 _____

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

Hillsborough County Florida

PUBLIC UTILITIES
PO Box 1110
Tampa, FL 33601-1110

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November 27, 2017

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 2017

Dear Mr. Morgan:

In accordance with Water Quality Monitoring Permit No. 35435-022-SO/01, the Hillsborough County Public Utilities Department (County) is pleased to submit the Analytical Data Report (ADR) for the August 2017 water quality monitoring event conducted the week of August 7-10, 2017 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, three (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 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 of the sixteen (16) surficial aquifer monitoring wells continue to exhibit pH values below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units. The pH values ranged from 4.46 to 6.32 pH units and have historically been observed below the

acceptable range. 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, one of the detection wells located down gradient of Section 9, exhibited TDS at a concentration of 1500 mg/l, exceeding the SDWS of 500 mg/l. The County has made improvements to the storm water conveyance swale along the original up-ramp to Section 9 diverting storm water flow and shall continue to closely evaluate water quality at this location.

Chloride

Chloride was observed in surficial aquifer monitoring well TH-71A above the SDWS of 250 mg/l at a concentration of 280 mg/l. The source of the elevated chloride value has been attributed to the aforementioned storm water runoff from the original up-ramp to Section 9 and shall be closely monitored.

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 0.016 mg/l and 0.024 mg/l and have historically been above the standard over the period of record. The arsenic appears to be directly attributable to the liberation of arsenic from the sediments in the anaerobic conditions present under the lined landfill.

Iron

Iron concentrations in fourteen (14) of the sixteen (16) surficial aquifer detection and background water quality monitoring wells were above the SDWS of 0.3 mg/l. Concentrations exceeding the standard ranged from 0.39 mg/l to 40 mg/l. Iron in the surficial aquifer wells has historically been elevated, and several very high iron values were documented in the surficial aquifer at the site prior to construction and operation of the landfill. The County maintains the position that the elevated iron concentrations within the surficial aquifer groundwater at the site are naturally occurring and not attributable to the landfill. No unusual changes in iron concentrations have been observed during this semi-annual water quality monitoring event.

Upper Floridan Aquifer (UFA) Monitoring Wells

Total Dissolved Solids (TDS)

Upper Floridan aquifer (UFA) monitoring well TH-72 exhibited TDS at 1,100 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 and the injected grout materials utilized for subsurface stabilization and/or remediation.

Chloride

Chloride was observed at 310 mg/l in UFA monitoring well TH-72, above the SDWS of 250 mg/l and is attributable to waste and grout material within the former sinkhole. Chloride values in the remaining upper Floridan aquifer groundwater monitoring wells were below the SDWS and consistent with their historical data sets.

Iron

Iron was observed above the SDWS of 0.3 mg/l in UFA monitoring well TH-72 at a concentration of 0.57 mg/l and consistent over the period of record. Iron in the remaining UFA wells were within the SDWS and consistent with the historical data set.

Surface Water Sampling Locations

Representative samples from the four (4) 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

Each surface water location exhibited dissolved oxygen (D.O.) levels below the surface water standard of $\geq$5 mg/l. Surface water sampling locations Mine Cut 1, Stream-3A, SW3B2B, and Stream-3C2 exhibited D.O. at 1.5 mg/l, 2.69 mg/l, 3.74 mg/l, and 2.47 mg/l, respectively. Sample location 3A in the stream tributary to Long Flat Creek is the upstream area 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.

pH

One (1) of the four (4) surface water locations exhibited a pH value below the surface water standard acceptable range of 6.5 to 8.5 pH units. The pH value at location Stream-3A was 6.42

pH units. The remaining surface water monitoring locations were within the range and consistent with the historical data set.

Iron

Iron was observed above the surface water standard of 1 mg/l in one (1) of the four (4) surface water locations. Iron was observed at 1.2 mg/l at monitoring location Stream-3C2 and inconsistent with the historical data set. The remaining surface water sampling locations were within the standard and is apparent that the slightly lower pH is not attributable to the landfill. The County shall continue to monitor and report any water quality changes in the future.

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

Three (3) private supply wells were sampled and the results of the water quality are discussed in the following paragraph.

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 1.5 mg/l. Concentrations of iron are consistently above the SDWS in this supply well. 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 7, 2017. 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, chloride, and iron outside their applicable standards.

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 did not indicate leachate indicator parameters exceeding their respective drinking water standards. The County and SCS Engineers continue ongoing evaluation and implementation of corrective actions. As a result of these investigations, it has been determined that the source of the elevated parameters in the surficial aquifer was an overtopping of the east containment berm due to elevated leachate levels in areas of the Phase II footprint. The area of impacted groundwater has been delineated by additional monitoring wells and geophysical investigations.

Water quality observed in surficial aquifer monitoring well TH-71A exhibited concentrations of TDS, chloride, and iron above their respective drinking water standards during this water quality monitoring event. The County has made improvements to the storm water conveyance system in the area of this monitoring well and will continue to closely monitor groundwater quality.

Upper Floridan aquifer monitoring well TH-72 continues to exhibit water quality impacts that are attributable to the former sinkhole on the west side slope of the landfill. TDS, chloride, and iron continue to exceed their respective standards and the water quality remains relatively stable.

Surface water monitoring locations were generally within compliance standards except for D.O., pH, and iron. The D.O. values were well below the surface water standard of 5 mg/l in each of the four (4) surface water sampling locations. These values are consistent with the historical data set. The pH in Stream 3A was slightly under the acceptable range with a result of 6.42 pH units and is the upstream value prior to entering the landfill. The County shall continue

to closely monitor the water quality from this location. Iron was detected in monitoring location Stream 3C2 slightly above the surface water criteria of 1 mg/l. The upstream values of the tributary were within the criteria; therefore, the elevated pH at the discharge point is not attributable to the landfill.

Enclosed for your review please find a detailed site location map, the data summary tables of the detections observed in the groundwater monitoring wells, surface water sampling sites, and the private supply wells. This report also provides a groundwater elevation data summary table, surficial aquifer groundwater elevation and contour diagram, a complete history of turbidity data from the monitoring of the tributary to Long Flat Creek, and the complete laboratory analytical data report sheets.

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,

11/27/2017

Michael D. Townsel
Senior Hydrologist
Environmental Services
Public Utilities Department

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

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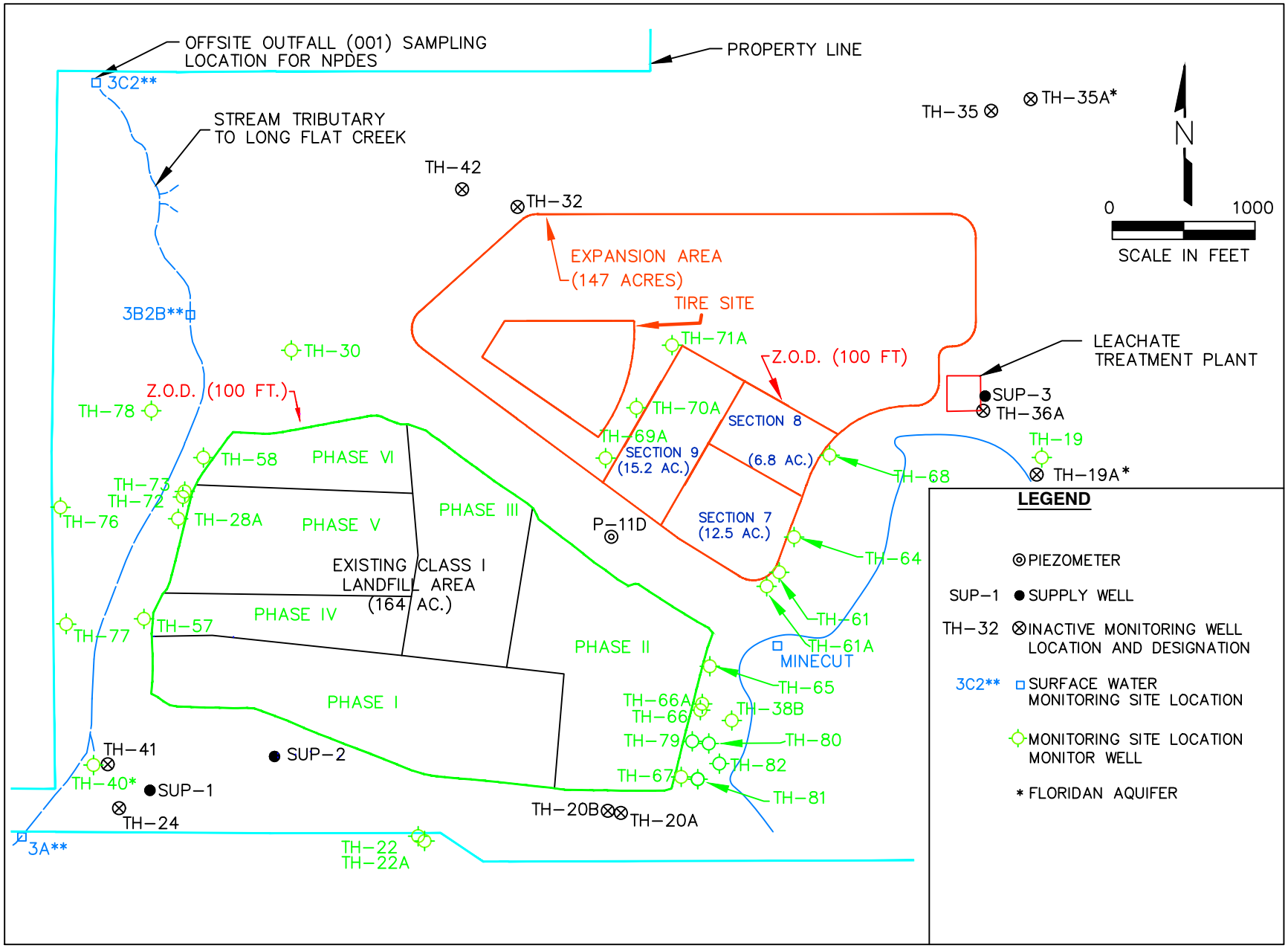
Enclosures

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 7-10, 2017

General Parameters	Floridan Aquifer				Surficial Aquifer Wells								MCL Standard
PARAMETERS	**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)	399	380	1701	515	187	249	701	366	226	210	362	253	**NS**
dissolved oxygen (mg/l) (field)	0.13	0.12	1.02	0.11	0.12	0.22	0.3	0.63	0.11	0.09	0.18	0.24	**NS**
ORP (mV)	-82.1	-82.1	-101.3	-224.4	24.8	-48.2	-21	10	-81.6	-61.5	-113.2	2	**NS**
temperature (°C) (field)	23.51	23.58	23.69	23.47	24.46	28.12	28.11	27.41	25.47	25.67	27.33	27.15	**NS**
turbidity (NTU) (field)	1.02	0.64	1.75	2.85	10.18	2.3	1.48	2.38	8.47	1.96	1.53	3.28	**NS**
pH (SU) (field)	7.25	7.32	6.64	8.13	**4.46**	**5.02**	**5.01**	**5.66**	**5.50**	**5.73**	**5.92**	**6.32**	**(6.5 - 8.5)****
total dissolved solids (mg/l)	250	230	**1100**	300	120	220	470	210	150	140	220	140	**500****
chloride (mg/l)	7.8	13	**310 j4**	30	8.5	49	140	34	15	9.4	21	21	**250****
ammonia nitrogen (mg/l as N)	0.26	0.34	13	0.29	0.28	1.6	0.58	1	1.1	0.38	0.05 i	0.08 i	**NS**
nitrate (mg/l as N)	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	1.4	1.3	0.18 u	0.18 u	0.2	0.18 u	**10***
Metals Detected (mg/l)													**MCL Standard**
antimony	0.000046 u	0.000046 u	0.000091 u	0.000046 u	0.000046 u	0.000046 u	0.00038 i	0.00046 i	0.000071 i	0.00021 i	0.00036 i	0.0028	**0.006***
arsenic	0.000077 u	0.000077 u	0.00018 i	0.00015 i	0.00028 i	0.0014	0.0012	**0.016**	**0.024**	0.0047	0.0019	0.0017	**0.01***
barium	0.0049	0.0057	0.027	0.068	0.036	0.0013	0.028	0.011	0.00096	0.0019	0.0029	0.0054	**2***
beryllium	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00012 i	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00011 u	**0.004***
cadmium	0.000028 u	0.000028 u	0.000056 u	0.000028 u	0.000028 u	0.000028 u	0.00018 i	0.00003 i	0.000032 i	0.000028 u	0.000028 u	0.00032 i	**0.005***
chromium	0.00011 u	0.00011 u	0.00037 i	0.00026 i	0.0016 i	0.0011 i	0.00086 i	0.0013 i	0.0019 i	0.0011 i	0.00071 i	0.00053 i	**0.1***
cobalt	0.00019 u	0.00019 u	0.00038 u	0.00019 u	0.00019 u	0.00055	0.00034 i	0.00019 u	0.00066	0.00019 u	0.0017	0.0022	**140*****
copper	0.00011 u	0.00011 u	0.0012 i	0.00015 i	0.0047	0.00011 i	0.00026 i	0.00013 i	0.0012	0.00012 i	0.0014	0.0036	**1****
iron	0.021 u	0.03 i	**0.57**	0.2	**0.58**	**3.8**	**0.39**	**3.9**	**3.3**	**2.8**	**1.3**	**0.5**	**0.3****
nickel	0.00011 u	0.00011 u	0.002	0.00021 i	0.00037 i	0.0014	0.001	0.00036 i	0.0014	0.00037 i	0.0043	0.0059	**0.1***
selenium	0.00058 u	0.00058 u	0.0012 u	0.00058 u	0.00058 u	0.00058 u	0.0028 i	0.0052	0.0022 i	0.00058 u	0.0011 i	0.00082 i	**0.05***
silver	0.000031 i	0.000027 u	0.000054 u	0.000041 i	0.000027 u	0.000042 i	0.00007 i	0.000041 i	0.000027 u	0.000027 u	0.000027 u	0.000027 u	**0.1****
sodium	14	17	120	32	3.3	18	42	9.1	11	5.7	13	10	**160***
thallium	0.000057 u	0.000057 u	0.00011 u	0.000057 u	0.000057 u	0.000092 i	0.00011 i	0.00041	0.00016 i	0.000057 u	0.000066 i	0.00043	**0.002 ***
vanadium	0.00071 u	0.00071 u	0.0061	0.00071 u	0.0017 i	0.0014 i	0.006	0.023	0.0031	0.002	0.0091	0.0075	**0.049*****
zinc	0.0087 i	0.0074 u	0.0074 u	0.0074 u	0.0074 u	0.0074 u	0.0074 u	0.0074 u	0.0074 i	0.019	0.021	0.12	**5****

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**

4.46 **: 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
Groundwater Monitoring Wells (Sections 7-9)
August 7-10, 2017

General	Surficial Aquifer Wells								MCL Standard
Parameters	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)	226	177	207	217	241	606	608	1524	NS
dissolved oxygen (mg/l) (field)	0.74	0.57	0.75	0.13	1.69	0.12	0.26	0.08	NS
ORP (mV)	131.1	-37.2	34	-34.7	-32.1	-87.9	-69.2	-54.7	NS
temperature (°C) (field)	25.45	25.83	26.97	27.43	28.88	25.85	25.70	25.04	NS
turbidity (NTU) (field)	4.68	3.37	7.28	26.3	29.2	11.3	31.8	8.47	NS
pH (SU) (field)	**5.54**	**5.45**	**5.74**	**5.20**	**5.58**	**6.06**	**6.27**	**6.13**	(6.5 - 8.5)**
total dissolved solids (mg/l)	140	120	140	140	180	410	300	**1500**	500**
chloride (mg/l)	18	5.3	4.9 i	13	19	50	50	**280**	250**
ammonia nitrogen (mg/l as N)	0.02 u	0.12	0.18	0.08 i	0.17	0.36	1.4	1.9	NS
nitrate (mg/l)	0.29	0.18 u	0.21	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	10*
Metals Detected (mg/l)									MCL Standard
antimony	0.00066 i	0.0001 i	0.0044	0.00041 i	0.00076	0.000046 u	0.000046 u	0.0001 i	0.006*
arsenic	0.00047 i	0.003	0.00078 i	0.00093 i	0.0038	0.00022 i	0.0031	0.0034	0.01*
barium	0.0049	0.0071	0.0077	0.035	0.02	0.0057	0.0078	0.017	2*
cadmium	0.000028 u	0.000028 u	0.0015	0.00023 i	0.0013	0.000028 u	0.000028 u	0.000031 i	0.005*
chromium	0.00064 i	0.0009 i	0.00095 i	0.0018 i	0.0079	0.00043 i	0.00043 i	0.00065 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	0.00019 u	140***
copper	0.0003 i	0.0008	0.003	0.00091	0.0075	0.00025 i	0.00011 u	0.00022 i	1**
iron	0.055 i	**0.96**	0.039 i	**0.74**	**0.82**	**5.7**	**30**	**40**	0.3**
lead	0.00024 u	0.00024 u	0.00024 u	0.00087	0.00057 i	0.00024 u	0.00024 u	0.00024 u	0.015*
mercury	0.00005 u	0.00005 u	0.00005 u	0.00005 u	0.00024	0.00005 u	0.00005 u	0.00005 u	0.002*
nickel	0.00031 i	0.00059 i	0.0041	0.00022 i	0.00061 i	0.00025 i	0.00067 i	0.0018	0.1*
selenium	0.00085 i	0.00061 i	0.0029 i	0.0013 i	0.0086	0.00058 u	0.00058 u	0.00058 u	0.05*
silver	0.000028 i	0.00003 i	0.000027 u	0.000034 i	0.000045 i	0.000027 u	0.000027 u	0.000027 u	0.1**
sodium	4.2	3.8	3.3	7.8	8.9	17	12	42	160*
vanadium	0.037	0.0024	0.12	0.015	0.0093	0.00071 u	0.0012 i	0.0049	0.049***
zinc	0.0074 u	0.037	0.019	0.0074 u	0.0092 i	0.0074 u	0.024	0.017	5**

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

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*= 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.

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5.54 : 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 10, 2017

General Parameters	Mine Cut	Stream-3A	SW-3B2B	Stream-3C2	MCL Standard
conductivity (umhos/cm) (field)	1140	304	291	354	1275
dissolved oxygen (mg/l) (field)	1.50	2.69	3.74	2.47	Must Be > OR=5.0
ORP (mV)	-28.6	75.1	37.1	20	NS
temperature (°C) in field	29.19	29.07	26.96	28.15	NS
turbidity (field) (NTU)	6.91	2.74	4.62	6.2	29
pH (field)	6.83	6.42	6.70	6.61	(6.5 - 8.5)
total dissolved solids (mg/l)	300	180	160	190	NS
total suspended solids (mg/l)	9.8	1 u	4.2	2.8	NS
total nitrogen (mg/l)	2.4	0.61	1.3	0.72	NS
total phosphorous (mg/l)	1.8	0.046 u	0.25	0.77	NS
biochem. oxygen demand (mg/l)	7	2 u	2 u	2 u	NS
chemical oxygen demand (mg/l)	120	30 i	42 i	40 i	NS
total organic carbon (mg/l as C)	17	9.1	11	12	NS
chlorophyll-A (mg/m3)	34	2.7	1 u	1.3	NS
total hardness (mg/l as CaCO)	110	100	96	84	NS
unionized ammonia (mg/l)	0.00066 i	0.00006 u	0.00029 i	0.000087 u	< or = to 0.02
fecal coliform (Col/100ml)	100 b	1 u	40 b	30 b	800
Metals Detected (mg/l)					**MCL Standard**
antimony	0.00062 i	0.000064 i	0.000079 i	0.0003 i	< or = to 4.3
arsenic	0.00096 i	0.00041 i	0.00083 i	0.0014	< or = to 0.05
barium	0.01	0.023	0.018	0.0069	2
cadmium	0.00006 i	0.000028 u	0.000028 u	0.000028 u	NS
chromium	0.00056 i	0.00062 i	0.00073 i	0.00069 i	11
cobalt	0.00022 i	0.00024 i	0.00019 u	0.00033 i	NS
copper	0.00085	0.00077	0.00076	0.00038 i	**
iron	0.65	0.11	0.47	1.2	1
nickel	0.00078 i	0.00038 i	0.00045 i	0.00083	***
vanadium	0.0011 i	0.0012 i	0.0017 i	0.0021	NS
zinc	0.0074 u	0.0078 i	0.0074 u	0.0074 u	*
Organic Parameters Detected (ug/l)					**MCL Standard**
1,1,2-trichloroethane	0.46 u	0.46 u	0.46 u	0.46 u	16
acetone	1 u	1 u	1 u	1 u	1700
carbon tetrachloride	0.57 u	0.57 u	0.57 u	0.57 u	< or = to 4.42 annual avg.
trans-1,3 dichloropropylene	0.29 u	0.29 u	0.29 u	0.29 u	NS

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
1.50: Exceeds Standards
* = Zn < or = e(0.8473[lnH]+0.7614), note H = Hardness for 3A standard is 105.99
** = Cu < or = e(0.8545[lnH] - 1.702)
*** = 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 10, 2017

General Parameters	Holland	Keene, Jr.	Barnes	MCL STANDARD
conductivity (umhos/cm) (field)	393	342	347	NS
dissolved oxygen (mg/l) (field)	0.03	0.12	1.07	NS
ORP (mV)	-132.5	-17.3	24.3	NS
temperature (°C) (field)	24.15	24.99	23.59	NS
turbidity (NTU) (field)	3.76	1.82	1.42	NS
pH (SU) (field)	7.02	7.39	7.25	(6.5 - 8.5)**
total dissolved solids (mg/l)	230	190	190	500**
chloride (mg/l)	20	13	7.8	250**
ammonia nitrogen (mg/l as N)	0.02 u	0.14	0.08 i	NS
Metals Detected (mg/l)				**MCL STANDARD**
arsenic	0.00024 i	0.00049 i	0.00022 i	0.01*
barium	0.0036	0.0037	0.0035	2*
copper	0.015	0.0018	0.00079	1**
iron	1.5	0.021 u	0.021 u	0.3**
lead	0.00087	0.0003 i	0.0012	0.015*
nickel	0.0066	0.00011 u	0.00021 i	0.1*
sodium	6.1	7.7	15	160*
zinc	0.035	0.048	0.16	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

1.5 : Exceeds 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.

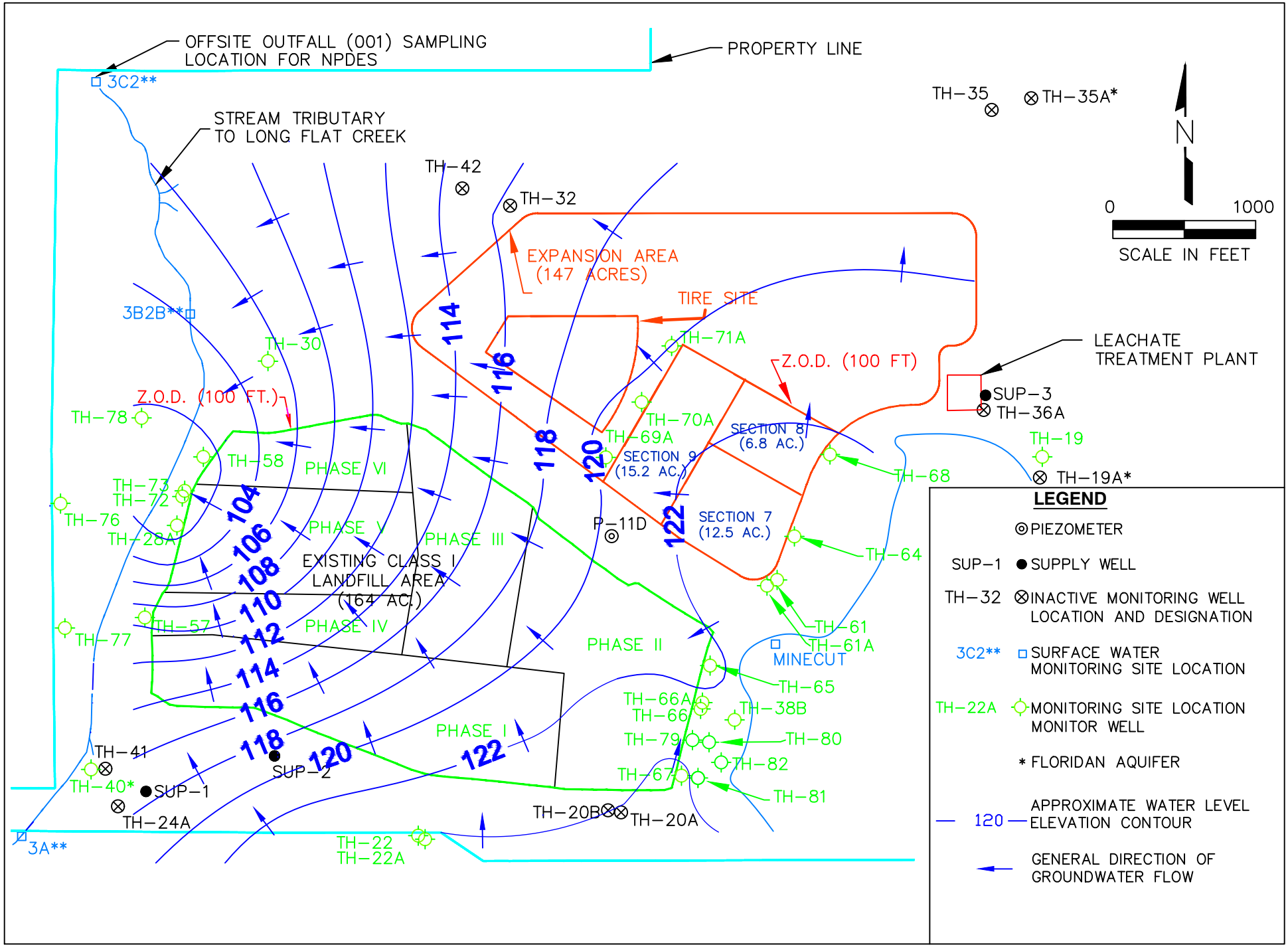
pCi/l=Picocuries per liter

ug/l=micrograms per liter

mg/l=milligrams per liter

Southeast County Landfill
Groundwater and Surface Water Elevations
August 7, 2017

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	16.64	121.38	10:54 AM
TH-19*	130.27	93.87	36.40	8:58 AM
TH-20A	131.86	8.18	123.68	10:48 AM
TH-20B	132.57	7.93	124.64	10:46 AM
TH-22	128.82	3.94	124.88	12:49 PM
TH-22A	129.27	4.47	124.80	12:30 PM
TH-24A	128.23	3.03	125.20	8:47 AM
TH-28A	131.10	27.27	103.83	9:16 AM
TH-30	128.88	23.46	105.42	10:35 AM
TH-32	129.90	14.02	115.88	9:21 AM
TH-35	145.98	26.69	119.29	9:06 AM
TH-36A	152.70	32.17	120.53	9:33 AM
TH-38A	130.68	9.29	121.39	10:15 AM
TH-38B	131.81	9.57	122.24	10:17 AM
TH-40*	124.99	88.57	36.42	8:13 AM
TH-41*	125.00	93.00	32.00	8:11 AM
TH-42*	116.74	70.13	46.61	9:26 AM
TH-57	128.36	17.81	110.55	8:52 AM
TH-58	127.88	26.43	101.45	10:07 AM
TH-61	138.73	15.78	122.95	10:01 AM
TH-61A	139.45	13.83	125.62	10:03 AM
TH-64	139.64	14.96	124.68	9:07 AM
TH-65	135.40	13.69	121.71	10:10 AM
TH-66	130.58	8.11	122.47	10:42 AM
TH-66A	130.66	8.53	122.13	10:40 AM
TH-67	129.51	4.73	124.78	10:27 AM
TH-68	140.01	12.10	127.91	9:49 AM
TH-69A	144.97	25.61	119.36	11:01 AM
TH-70A	146.63	25.20	121.43	11:05 AM
TH-71A	146.95	26.48	120.47	9:42 AM
TH-72*	130.96	91.74	39.22	9:58 AM
TH-73	131.07	30.01	101.06	10:00 AM
TH-76*	111.21	72.07	39.14	11:52 AM
TH-77*	119.88	80.58	39.30	12:02 PM
TH-78*	120.75	77.15	43.60	10:47 AM
TH-79	129.60	7.34	122.26	10:34 AM
TH-80	129.52	7.80	121.72	10:30 AM
TH-81	130.26	6.85	123.41	10:25 AM
TH-82	131.24	9.87	121.37	10:20 AM
SW-3A	3.0'=125.53'	1.69	123.83	1:04 PM
SW-3B2B	3.0'=97.97'	1.94	ND	11:17 AM
SW-3C2	6.0'=92.33'	1.96	87.61	11:13 AM
Mine Cut #1	4.0'=122.14'	2.86	120.39	9:53 AM
Mine Cut #2	6.0'=123.47'	2.78	119.65	9:02 AM
Mine Cut #3	4.0'=112.27'	2.66	110.46	9:30 AM
Mine Cut #4	5.0'=97.54'	1.50	94.12	9:33 AM
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 7, 2017

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	

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September 20, 2017

David Adams
Hillsborough Co Public Utilites
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T1713315 SELF Semi-Annual

Dear David Adams:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, August 07, 2017 and Thursday, August 10, 2017. 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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SAMPLE SUMMARY

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1713315001	TH-28A	Water	8/7/2017 09:35	8/7/2017 14:00
T1713315002	TH-57	Water	8/7/2017 09:04	8/7/2017 14:00
T1713315003	TH-58	Water	8/7/2017 10:21	8/7/2017 14:00
T1713315004	TH-40	Water	8/7/2017 08:37	8/7/2017 14:00
T1713315005	TH-78	Water	8/7/2017 11:34	8/7/2017 14:00
T1713315006	TH-22A	Water	8/7/2017 12:46	8/7/2017 14:00
T1713315007	Travel Blank	Water	8/7/2017 00:00	8/7/2017 14:00
T1713315008	TH-19	Water	8/8/2017 10:04	8/8/2017 14:30
T1713315009	TH-36A	Water	8/8/2017 10:34	8/8/2017 14:30
T1713315010	TH-64	Water	8/8/2017 13:16	8/8/2017 14:30
T1713315011	TH-65	Water	8/8/2017 13:44	8/8/2017 14:30
T1713315012	TH-68	Water	8/8/2017 12:22	8/8/2017 14:30
T1713315013	TH-69A	Water	8/8/2017 08:57	8/8/2017 14:30
T1713315014	TH-71A	Water	8/8/2017 09:29	8/8/2017 14:30
T1713315015	TH-72	Water	8/8/2017 08:12	8/8/2017 14:30
T1713315016	Duplicate	Water	8/8/2017 00:00	8/8/2017 14:30
T1713315017	Field Blank	Water	8/8/2017 07:35	8/8/2017 14:30
T1713315018	Travel Blank	Water	8/8/2017 00:00	8/8/2017 14:30
T1713315019	TH-61	Water	8/9/2017 09:10	8/9/2017 14:30
T1713315020	TH-61A	Water	8/9/2017 09:43	8/9/2017 14:30
T1713315021	TH-66	Water	8/9/2017 10:52	8/9/2017 14:30
T1713315022	TH-66A	Water	8/9/2017 10:21	8/9/2017 14:30
T1713315023	TH-67	Water	8/9/2017 11:23	8/9/2017 14:30
T1713315024	Travel Blank	Water	8/9/2017 00:00	8/9/2017 14:30
T1713315025	Keene Residence	Water	8/10/2017 08:36	8/10/2017 13:31
T1713315026	Holland Residence	Water	8/10/2017 09:09	8/10/2017 13:31
T1713315027	Barnes Residence	Water	8/10/2017 09:41	8/10/2017 13:31
T1713315028	Travel Blank	Water	8/10/2017 00:00	8/10/2017 13:31
T1713315029	TH-70A	Water	8/10/2017 10:27	8/10/2017 13:31
T1713315030	Mine Cut 1D	Water	8/9/2017 12:12	8/9/2017 14:30
T1713315031	Field Blank	Water	8/9/2017 12:00	8/9/2017 14:30
T1713315032	Stream 3A	Water	8/10/2017 12:01	8/10/2017 13:31
T1713315033	Stream 3B2B	Water	8/10/2017 11:35	8/10/2017 13:31
T1713315034	Stream 3C2	Water	8/10/2017 10:55	8/10/2017 13:31
T1713315035	Duplicate	Water	8/10/2017 00:00	8/10/2017 13:31

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SAMPLE SUMMARY

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1713315036	Travel Blank	Water	8/10/2017 00:00	8/10/2017 13:31

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315001** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/07/17 09:35

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	**249**		**umhos/cm**	**1**			8/7/2017 09:35	....
Dissolved Oxygen	**0.22**		**mg/L**	**1**			8/7/2017 09:35	....
ORP-2580BW	**-48.2**		**mV**	**1**			8/7/2017 09:35	....
Temperature	**28.12**		**°C**	**1**			8/7/2017 09:35	....
Turbidity	**2.3**		**NTU**	**1**			8/7/2017 09:35	....
pH	**5.02**		**SU**	**1**			8/7/2017 09:35	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 18:30	T
Iron	**3800**		**ug/L**	**1**	100	21	8/10/2017 18:30	T
Sodium	**18**		**mg/L**	**1**	0.20	0.17	8/10/2017 18:30	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 18:30	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:08	J
Arsenic	**1.4**		**ug/L**	**1**	1.0	0.077	8/23/2017 13:08	J
Barium	**1.3**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:08	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:08	J
Chromium	**1.1**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:08	J
Cobalt	**0.55**		**ug/L**	**1**	0.50	0.19	8/23/2017 13:08	J
Copper	**0.11**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:08	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:08	J
Nickel	**1.4**		**ug/L**	**1**	0.80	0.11	8/23/2017 13:08	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:08	J
Silver	**0.042**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:08	J
Thallium	**0.092**	**I**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:08	J
Vanadium	**1.4**	**I**	**ug/L**	**1**	2.0	0.71	8/23/2017 13:08	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	8/14/2017 13:08	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315001** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/07/17 09:35

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	8/10/2017 23:18	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/10/2017 23:18	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/10/2017 23:18	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/10/2017 23:18	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/10/2017 23:18	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/10/2017 23:18	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/10/2017 23:18	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/10/2017 23:18	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:18	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 23:18	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/10/2017 23:18	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/10/2017 23:18	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/10/2017 23:18	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/10/2017 23:18	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 23:18	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/10/2017 23:18	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 23:18	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/10/2017 23:18	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:18	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/10/2017 23:18	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/10/2017 23:18	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:18	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/10/2017 23:18	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/10/2017 23:18	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 23:18	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/10/2017 23:18	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/10/2017 23:18	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 23:18	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 23:18	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 23:18	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/10/2017 23:18	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 23:18	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 23:18	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/10/2017 23:18	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/10/2017 23:18	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/10/2017 23:18	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 23:18	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315001** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/07/17 09:35

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	8/10/2017 23:18	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 23:18	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/10/2017 23:18	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/10/2017 23:18	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 23:18	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/10/2017 23:18	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/10/2017 23:18	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/10/2017 23:18	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		8/10/2017 23:18	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/10/2017 23:18	
Bromofluorobenzene (S)	**108**		**%**	**1**	86-123		8/10/2017 23:18	
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**	0.10	0.020	8/10/2017 23:18	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/10/2017 23:18	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-130		8/10/2017 23:18	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/10/2017 23:18	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/10/2017 23:18	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.6**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**220**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**49**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:36	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/8/2017 10:07	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315002** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/07/17 09:04

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	**701**		**umhos/cm**	**1**			8/7/2017 09:04	....
Dissolved Oxygen	**0.3**		**mg/L**	**1**			8/7/2017 09:04	....
ORP-2580BW	**-21**		**mV**	**1**			8/7/2017 09:04	....
Temperature	**28.11**		**°C**	**1**			8/7/2017 09:04	....
Turbidity	**1.48**		**NTU**	**1**			8/7/2017 09:04	....
pH	**5.01**		**SU**	**1**			8/7/2017 09:04	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.12**	**I**	**ug/L**	**1**	0.60	0.11	8/10/2017 18:34	T
Iron	**390**		**ug/L**	**1**	100	21	8/10/2017 18:34	T
Sodium	**42**		**mg/L**	**1**	0.20	0.17	8/10/2017 18:34	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 18:34	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	0.046	8/23/2017 13:19	J
Arsenic	**1.2**		**ug/L**	**1**	1.0	0.077	8/23/2017 13:19	J
Barium	**28**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:19	J
Cadmium	**0.18**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:19	J
Chromium	**0.86**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:19	J
Cobalt	**0.34**	**I**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:19	J
Copper	**0.26**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:19	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:19	J
Nickel	**1.0**		**ug/L**	**1**	0.80	0.11	8/23/2017 13:19	J
Selenium	**2.8**	**I**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:19	J
Silver	**0.070**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:19	J
Thallium	**0.11**	**I**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:19	J
Vanadium	**6.0**		**ug/L**	**1**	2.0	0.71	8/23/2017 13:19	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315002** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/07/17 09:04

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	8/10/2017 23:44	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/10/2017 23:44	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/10/2017 23:44	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/10/2017 23:44	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/10/2017 23:44	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/10/2017 23:44	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/10/2017 23:44	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/10/2017 23:44	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:44	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 23:44	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/10/2017 23:44	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/10/2017 23:44	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/10/2017 23:44	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/10/2017 23:44	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 23:44	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/10/2017 23:44	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 23:44	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/10/2017 23:44	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:44	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/10/2017 23:44	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/10/2017 23:44	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 23:44	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/10/2017 23:44	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/10/2017 23:44	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 23:44	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/10/2017 23:44	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/10/2017 23:44	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 23:44	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 23:44	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 23:44	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/10/2017 23:44	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 23:44	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 23:44	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/10/2017 23:44	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/10/2017 23:44	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/10/2017 23:44	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 23:44	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315002** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/07/17 09:04

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	8/10/2017 23:44	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 23:44	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/10/2017 23:44	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/10/2017 23:44	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 23:44	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/10/2017 23:44	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/10/2017 23:44	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/10/2017 23:44	T
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	70-128		8/10/2017 23:44	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/10/2017 23:44	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/10/2017 23:44	
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**	0.10	0.020	8/10/2017 23:44	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/10/2017 23:44	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/10/2017 23:44	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/10/2017 23:44	
Bromofluorobenzene (S)	**106**		**%**	**1**	70-130		8/10/2017 23:44	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.58**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**470**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**140**		**mg/L**	**5**	25	13	8/10/2017 16:03	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**1.4**		**mg/L**	**1**	0.20	0.18	8/8/2017 10:12	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315003** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/07/17 10:21

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	**366**		**umhos/cm**	**1**			8/7/2017 10:21	....
Dissolved Oxygen	**0.63**		**mg/L**	**1**			8/7/2017 10:21	....
ORP-2580BW	**10**		**mV**	**1**			8/7/2017 10:21	....
Temperature	**27.41**		**°C**	**1**			8/7/2017 10:21	....
Turbidity	**2.38**		**NTU**	**1**			8/7/2017 10:21	....
pH	**5.66**		**SU**	**1**			8/7/2017 10:21	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 18:45	T
Iron	**3900**		**ug/L**	**1**	100	21	8/10/2017 18:45	T
Sodium	**9.1**		**mg/L**	**1**	0.20	0.17	8/10/2017 18:45	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 18:45	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.46**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:23	J
Arsenic	**16**		**ug/L**	**1**	1.0	0.077	8/23/2017 13:23	J
Barium	**11**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:23	J
Cadmium	**0.030**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:23	J
Chromium	**1.3**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:23	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:23	J
Copper	**0.13**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:23	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:23	J
Nickel	**0.36**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 13:23	J
Selenium	**5.2**		**ug/L**	**1**	5.0	0.58	8/23/2017 13:23	J
Silver	**0.041**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:23	J
Thallium	**0.41**		**ug/L**	**1**	0.20	0.057	8/23/2017 13:23	J
Vanadium	**23**		**ug/L**	**1**	2.0	0.71	8/23/2017 13:23	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315003** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/07/17 10:21

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	8/11/2017 00:10	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 00:10	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 00:10	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 00:10	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 00:10	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 00:10	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 00:10	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 00:10	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:10	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 00:10	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 00:10	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 00:10	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 00:10	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 00:10	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 00:10	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 00:10	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 00:10	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 00:10	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:10	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 00:10	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 00:10	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:10	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 00:10	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 00:10	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 00:10	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 00:10	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 00:10	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 00:10	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 00:10	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 00:10	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 00:10	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 00:10	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 00:10	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 00:10	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 00:10	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 00:10	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 00:10	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315003** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/07/17 10:21

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	8/11/2017 00:10	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 00:10	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 00:10	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 00:10	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 00:10	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 00:10	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 00:10	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 00:10	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/11/2017 00:10	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/11/2017 00:10	
Bromofluorobenzene (S)	**108**		**%**	**1**	86-123		8/11/2017 00:10	
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**	0.10	0.020	8/11/2017 00:10	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 00:10	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/11/2017 00:10	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 00:10	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 00:10	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.0**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**210**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**34**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**1.3**		**mg/L**	**1**	0.20	0.18	8/8/2017 10:15	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315004** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/07/17 08:37

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	**380**		**umhos/cm**	**1**			8/7/2017 08:37	....
Dissolved Oxygen	**0.12**		**mg/L**	**1**			8/7/2017 08:37	....
ORP-2580BW	**-82.1**		**mV**	**1**			8/7/2017 08:37	....
Temperature	**23.58**		**°C**	**1**			8/7/2017 08:37	....
Turbidity	**0.64**		**NTU**	**1**			8/7/2017 08:37	....
pH	**7.32**		**SU**	**1**			8/7/2017 08:37	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:04	T
Iron	**30**	**I**	**ug/L**	**1**	100	21	8/10/2017 19:04	T
Sodium	**17**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:04	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 19:04	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:27	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/23/2017 13:27	J
Barium	**5.7**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:27	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:27	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:27	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:27	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:27	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:27	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	8/23/2017 13:27	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:27	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:27	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:27	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 13:27	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315004** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/07/17 08:37

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	8/11/2017 00:36	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 00:36	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 00:36	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 00:36	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 00:36	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 00:36	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 00:36	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 00:36	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:36	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 00:36	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 00:36	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 00:36	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 00:36	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 00:36	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 00:36	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 00:36	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 00:36	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 00:36	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:36	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 00:36	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 00:36	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 00:36	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 00:36	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 00:36	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 00:36	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 00:36	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 00:36	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 00:36	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 00:36	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 00:36	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 00:36	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 00:36	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 00:36	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 00:36	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 00:36	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 00:36	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 00:36	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315004** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/07/17 08:37

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	8/11/2017 00:36	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 00:36	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 00:36	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 00:36	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 00:36	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 00:36	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 00:36	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 00:36	T
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	70-128		8/11/2017 00:36	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 00:36	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/11/2017 00:36	
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**	0.10	0.020	8/11/2017 00:36	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 00:36	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/11/2017 00:36	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/11/2017 00:36	
Bromofluorobenzene (S)	**105**		**%**	**1**	70-130		8/11/2017 00:36	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.34**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**230**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:40	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/8/2017 10:16	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315005** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/07/17 11:34

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	**515**		**umhos/cm**	**1**			8/7/2017 11:34	....
Dissolved Oxygen	**0.11**		**mg/L**	**1**			8/7/2017 11:34	....
ORP-2580BW	**-224.4**		**mV**	**1**			8/7/2017 11:34	....
Temperature	**23.47**		**°C**	**1**			8/7/2017 11:34	....
Turbidity	**2.85**		**NTU**	**1**			8/7/2017 11:34	....
pH	**8.13**		**SU**	**1**			8/7/2017 11:34	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:08	T
Iron	**200**		**ug/L**	**1**	100	21	8/10/2017 19:08	T
Sodium	**32**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:08	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 19:08	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:30	J
Arsenic	**0.15**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 13:30	J
Barium	**68**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:30	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:30	J
Chromium	**0.26**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:30	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:30	J
Copper	**0.15**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:30	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:30	J
Nickel	**0.21**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 13:30	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:30	J
Silver	**0.041**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:30	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:30	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 13:30	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315005** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/07/17 11:34

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	8/11/2017 01:02	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 01:02	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 01:02	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 01:02	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 01:02	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 01:02	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 01:02	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 01:02	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:02	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:02	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 01:02	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 01:02	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 01:02	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 01:02	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:02	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 01:02	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:02	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 01:02	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:02	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 01:02	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 01:02	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:02	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 01:02	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 01:02	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:02	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 01:02	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 01:02	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:02	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:02	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:02	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 01:02	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:02	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:02	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 01:02	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 01:02	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 01:02	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:02	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315005** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/07/17 11:34

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	8/11/2017 01:02	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:02	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 01:02	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 01:02	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:02	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 01:02	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 01:02	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 01:02	T
1,2-Dichloroethane-d4 (S)	**121**		**%**	**1**	70-128		8/11/2017 01:02	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 01:02	
Bromofluorobenzene (S)	**107**		**%**	**1**	86-123		8/11/2017 01:02	
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**	0.10	0.020	8/11/2017 01:02	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 01:02	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/11/2017 01:02	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 01:02	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 01:02	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.29**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**30**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:40	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/8/2017 10:17	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315006** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/07/17 12:46

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	**187**		**umhos/cm**	**1**			8/7/2017 12:46	....
Dissolved Oxygen	**0.12**		**mg/L**	**1**			8/7/2017 12:46	....
ORP-2580BW	**24.8**		**mV**	**1**			8/7/2017 12:46	....
Temperature	**24.46**		**°C**	**1**			8/7/2017 12:46	....
Turbidity	**10.18**		**NTU**	**1**			8/7/2017 12:46	....
pH	**4.46**		**SU**	**1**			8/7/2017 12:46	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:11	T
Iron	**580**		**ug/L**	**1**	100	21	8/10/2017 19:11	T
Sodium	**3.3**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:11	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 19:11	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:34	J
Arsenic	**0.28**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 13:34	J
Barium	**36**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:34	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:34	J
Chromium	**1.6**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:34	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:34	J
Copper	**4.7**		**ug/L**	**1**	0.70	0.11	8/23/2017 13:34	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:34	J
Nickel	**0.37**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 13:34	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:34	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:34	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:34	J
Vanadium	**1.7**	**I**	**ug/L**	**1**	2.0	0.71	8/23/2017 13:34	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	8/14/2017 13:08	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315006** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/07/17 12:46

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	8/11/2017 01:27	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 01:27	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 01:27	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 01:27	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 01:27	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 01:27	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 01:27	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 01:27	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:27	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:27	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 01:27	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 01:27	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 01:27	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 01:27	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:27	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 01:27	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:27	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 01:27	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:27	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 01:27	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 01:27	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:27	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 01:27	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 01:27	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:27	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 01:27	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 01:27	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:27	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:27	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:27	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 01:27	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:27	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:27	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 01:27	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 01:27	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 01:27	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:27	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315006** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/07/17 12:46

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	8/11/2017 01:27	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:27	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 01:27	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 01:27	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:27	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 01:27	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 01:27	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 01:27	T
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	70-128		8/11/2017 01:27	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/11/2017 01:27	
Bromofluorobenzene (S)	**112**		**%**	**1**	86-123		8/11/2017 01:27	
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**	0.10	0.020	8/11/2017 01:27	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 01:27	T
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-130		8/11/2017 01:27	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 01:27	
Bromofluorobenzene (S)	**108**		**%**	**1**	70-130		8/11/2017 01:27	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.28**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**120**		**mg/L**	**1.25**	12	12	8/10/2017 08:22	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.5**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:41	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/8/2017 10:20	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315007** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/07/17 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	8/10/2017 21:34	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/10/2017 21:34	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/10/2017 21:34	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/10/2017 21:34	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/10/2017 21:34	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/10/2017 21:34	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/10/2017 21:34	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/10/2017 21:34	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 21:34	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 21:34	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/10/2017 21:34	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/10/2017 21:34	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/10/2017 21:34	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/10/2017 21:34	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 21:34	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/10/2017 21:34	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 21:34	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/10/2017 21:34	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 21:34	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/10/2017 21:34	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/10/2017 21:34	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 21:34	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/10/2017 21:34	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/10/2017 21:34	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 21:34	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/10/2017 21:34	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/10/2017 21:34	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 21:34	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 21:34	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 21:34	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/10/2017 21:34	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 21:34	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 21:34	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/10/2017 21:34	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/10/2017 21:34	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/10/2017 21:34	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315007** Date Received: 08/07/17 14:00 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/07/17 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	8/10/2017 21:34	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/10/2017 21:34	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 21:34	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/10/2017 21:34	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/10/2017 21:34	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 21:34	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/10/2017 21:34	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/10/2017 21:34	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/10/2017 21:34	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		8/10/2017 21:34	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/10/2017 21:34	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/10/2017 21:34	
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**	0.10	0.020	8/10/2017 21:34	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/10/2017 21:34	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-130		8/10/2017 21:34	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/10/2017 21:34	
Bromofluorobenzene (S)	**98**		**%**	**1**	70-130		8/10/2017 21:34	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315008** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/08/17 10:04

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**		**umhos/cm**	**1**			8/8/2017 10:04	....
Dissolved Oxygen	**0.13**		**mg/L**	**1**			8/8/2017 10:04	....
ORP-2580BW	**-82.1**		**mV**	**1**			8/8/2017 10:04	....
Temperature	**23.51**		**°C**	**1**			8/8/2017 10:04	....
Turbidity	**1.02**		**NTU**	**1**			8/8/2017 10:04	....
pH	**7.25**		**SU**	**1**			8/8/2017 10:04	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:15	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/10/2017 19:15	T
Sodium	**14**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:15	T
Zinc	**8.7**	**I**	**ug/L**	**1**	10	7.4	8/10/2017 19:15	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:45	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/23/2017 13:45	J
Barium	**4.9**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:45	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:45	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:45	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 13:45	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/23/2017 13:45	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:45	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	8/23/2017 13:45	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:45	J
Silver	**0.031**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:45	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:45	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 13:45	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315008** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/08/17 10:04

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	8/11/2017 01:53	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 01:53	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 01:53	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 01:53	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 01:53	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 01:53	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 01:53	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 01:53	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:53	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:53	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 01:53	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 01:53	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 01:53	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 01:53	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:53	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 01:53	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:53	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 01:53	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:53	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 01:53	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 01:53	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 01:53	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 01:53	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 01:53	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:53	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 01:53	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 01:53	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 01:53	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 01:53	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:53	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 01:53	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 01:53	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:53	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 01:53	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 01:53	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 01:53	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 01:53	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315008** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/08/17 10:04

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	8/11/2017 01:53	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 01:53	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 01:53	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 01:53	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 01:53	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 01:53	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 01:53	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 01:53	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/11/2017 01:53	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/11/2017 01:53	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/11/2017 01:53	
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**	0.10	0.020	8/11/2017 01:53	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 01:53	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 01:53	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 01:53	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/11/2017 01:53	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.26**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**250**		**mg/L**	**1.25**	12	12	8/11/2017 07:15	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.8**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:42	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 11:37	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315009** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/08/17 10:34

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	**226**		**umhos/cm**	**1**			8/8/2017 10:34	....
Dissolved Oxygen	**0.74**		**mg/L**	**1**			8/8/2017 10:34	....
ORP-2580BW	**131.1**		**mV**	**1**			8/8/2017 10:34	....
Temperature	**25.45**		**°C**	**1**			8/8/2017 10:34	....
Turbidity	**4.68**		**NTU**	**1**			8/8/2017 10:34	....
pH	**5.54**		**SU**	**1**			8/8/2017 10:34	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:19	T
Iron	**55**	**I**	**ug/L**	**1**	100	21	8/10/2017 19:19	T
Sodium	**4.2**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:19	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 19:19	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	0.046	8/23/2017 18:50	J
Arsenic	**0.47**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 18:50	J
Barium	**4.9**		**ug/L**	**1**	0.60	0.12	8/23/2017 18:50	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 18:50	J
Chromium	**0.64**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 18:50	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 18:50	J
Copper	**0.30**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 18:50	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 18:50	J
Nickel	**0.31**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 18:50	J
Selenium	**0.85**	**I**	**ug/L**	**1**	5.0	0.58	8/23/2017 18:50	J
Silver	**0.028**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 18:50	J
Thallium	**0.067**	**I**	**ug/L**	**1**	0.20	0.057	8/23/2017 18:50	J
Vanadium	**37**		**ug/L**	**1**	2.0	0.71	8/23/2017 18:50	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	8/14/2017 13:08	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315009** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/08/17 10:34

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	8/11/2017 02:19	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 02:19	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 02:19	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 02:19	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 02:19	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 02:19	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 02:19	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 02:19	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:19	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 02:19	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 02:19	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 02:19	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 02:19	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 02:19	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 02:19	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 02:19	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 02:19	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 02:19	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:19	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 02:19	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 02:19	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:19	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 02:19	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 02:19	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 02:19	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 02:19	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 02:19	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 02:19	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 02:19	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 02:19	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 02:19	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 02:19	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 02:19	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 02:19	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 02:19	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 02:19	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 02:19	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315009** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/08/17 10:34

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	8/11/2017 02:19	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 02:19	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 02:19	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 02:19	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 02:19	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 02:19	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 02:19	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 02:19	T
1,2-Dichloroethane-d4 (S)	**124**		**%**	**1**	70-128		8/11/2017 02:19	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/11/2017 02:19	
Bromofluorobenzene (S)	**113**		**%**	**1**	86-123		8/11/2017 02:19	
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**	0.10	0.020	8/11/2017 02:19	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 02:19	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/11/2017 02:19	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 02:19	
Bromofluorobenzene (S)	**107**		**%**	**1**	70-130		8/11/2017 02:19	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.02**	**U**	**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	8/11/2017 07:15	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**18**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:42	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.29**		**mg/L**	**1**	0.20	0.18	8/9/2017 11:32	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315010** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/08/17 13:16

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	**217**		**umhos/cm**	**1**			8/8/2017 13:16	....
Dissolved Oxygen	**0.13**		**mg/L**	**1**			8/8/2017 13:16	....
ORP-2580BW	**-34.7**		**mV**	**1**			8/8/2017 13:16	....
Temperature	**27.43**		**°C**	**1**			8/8/2017 13:16	....
Turbidity	**26.3**		**NTU**	**1**			8/8/2017 13:16	....
pH	**5.2**		**SU**	**1**			8/8/2017 13:16	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/10/2017 19:22	T
Iron	**740**		**ug/L**	**1**	100	21	8/10/2017 19:22	T
Sodium	**7.8**		**mg/L**	**1**	0.20	0.17	8/10/2017 19:22	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/10/2017 19:22	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.41**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 18:54	J
Arsenic	**0.93**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 18:54	J
Barium	**35**		**ug/L**	**1**	0.60	0.12	8/23/2017 18:54	J
Cadmium	**0.23**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 18:54	J
Chromium	**1.8**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 18:54	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 18:54	J
Copper	**0.91**		**ug/L**	**1**	0.70	0.11	8/23/2017 18:54	J
Lead	**0.87**		**ug/L**	**1**	0.70	0.24	8/23/2017 18:54	J
Nickel	**0.22**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 18:54	J
Selenium	**1.3**	**I**	**ug/L**	**1**	5.0	0.58	8/23/2017 18:54	J
Silver	**0.034**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 18:54	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 18:54	J
Vanadium	**15**		**ug/L**	**1**	2.0	0.71	8/23/2017 18:54	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	8/15/2017 11:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315010** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/08/17 13:16

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	8/11/2017 02:45	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 02:45	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 02:45	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 02:45	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 02:45	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 02:45	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 02:45	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 02:45	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:45	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 02:45	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 02:45	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 02:45	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 02:45	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 02:45	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 02:45	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 02:45	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 02:45	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 02:45	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:45	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 02:45	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 02:45	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 02:45	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 02:45	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 02:45	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 02:45	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 02:45	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 02:45	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 02:45	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 02:45	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 02:45	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 02:45	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 02:45	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 02:45	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 02:45	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 02:45	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 02:45	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 02:45	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315010** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/08/17 13:16

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	8/11/2017 02:45	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 02:45	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 02:45	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 02:45	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 02:45	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 02:45	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 02:45	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 02:45	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/11/2017 02:45	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 02:45	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/11/2017 02:45	
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**	0.10	0.020	8/11/2017 02:45	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 02:45	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 02:45	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 02:45	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 02:45	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.08**	**I**	**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:43	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 11:33	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315011** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/08/17 13:44

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	**226**		**umhos/cm**	**1**			8/8/2017 13:44	....
Dissolved Oxygen	**0.11**		**mg/L**	**1**			8/8/2017 13:44	....
ORP-2580BW	**-81.6**		**mV**	**1**			8/8/2017 13:44	....
Temperature	**25.47**		**°C**	**1**			8/8/2017 13:44	....
Turbidity	**8.47**		**NTU**	**1**			8/8/2017 13:44	....
pH	**5.5**		**SU**	**1**			8/8/2017 13:44	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 11:42	T
Iron	**3300**		**ug/L**	**1**	100	21	8/11/2017 11:42	T
Sodium	**11**		**mg/L**	**1**	0.20	0.17	8/11/2017 11:42	T
Zinc	**7.4**	**I**	**ug/L**	**1**	10	7.4	8/11/2017 11:42	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.071**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 13:57	J
Arsenic	**24**		**ug/L**	**1**	1.0	0.077	8/23/2017 13:57	J
Barium	**0.96**		**ug/L**	**1**	0.60	0.12	8/23/2017 13:57	J
Cadmium	**0.032**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 13:57	J
Chromium	**1.9**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 13:57	J
Cobalt	**0.66**		**ug/L**	**1**	0.50	0.19	8/23/2017 13:57	J
Copper	**1.2**		**ug/L**	**1**	0.70	0.11	8/23/2017 13:57	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 13:57	J
Nickel	**1.4**		**ug/L**	**1**	0.80	0.11	8/23/2017 13:57	J
Selenium	**2.2**	**I**	**ug/L**	**1**	5.0	0.58	8/23/2017 13:57	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 13:57	J
Thallium	**0.16**	**I**	**ug/L**	**1**	0.20	0.057	8/23/2017 13:57	J
Vanadium	**3.1**		**ug/L**	**1**	2.0	0.71	8/23/2017 13:57	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	8/15/2017 11:43	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315011** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/08/17 13:44

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	8/11/2017 03:11	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 03:11	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 03:11	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 03:11	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 03:11	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 03:11	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 03:11	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 03:11	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 03:11	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 03:11	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 03:11	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 03:11	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 03:11	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 03:11	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 03:11	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 03:11	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 03:11	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 03:11	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 03:11	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 03:11	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 03:11	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 03:11	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 03:11	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 03:11	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 03:11	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 03:11	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 03:11	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 03:11	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 03:11	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 03:11	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 03:11	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 03:11	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 03:11	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 03:11	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 03:11	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 03:11	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 03:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315011** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/08/17 13:44

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	8/11/2017 03:11	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 03:11	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 03:11	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 03:11	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 03:11	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 03:11	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 03:11	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 03:11	T
1,2-Dichloroethane-d4 (S)	**123**		**%**	**1**	70-128		8/11/2017 03:11	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/11/2017 03:11	
Bromofluorobenzene (S)	**112**		**%**	**1**	86-123		8/11/2017 03:11	
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**	0.10	0.020	8/11/2017 03:11	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 03:11	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/11/2017 03:11	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 03:11	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/11/2017 03:11	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.1**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**150**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**15**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:44	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 11:36	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315012** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/08/17 12:22

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	**241**		**umhos/cm**	**1**			8/8/2017 12:22	....
Dissolved Oxygen	**1.69**		**mg/L**	**1**			8/8/2017 12:22	....
ORP-2580BW	**-32.1**		**mV**	**1**			8/8/2017 12:22	....
Temperature	**28.88**		**°C**	**1**			8/8/2017 12:22	....
Turbidity	**29.2**		**NTU**	**1**			8/8/2017 12:22	....
pH	**5.58**		**SU**	**1**			8/8/2017 12:22	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:00	T
Iron	**820**		**ug/L**	**1**	100	21	8/11/2017 12:00	T
Sodium	**8.9**		**mg/L**	**1**	0.20	0.17	8/11/2017 12:00	T
Zinc	**9.2**	**I**	**ug/L**	**1**	10	7.4	8/11/2017 12:00	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	0.046	8/23/2017 14:01	J
Arsenic	**3.8**		**ug/L**	**1**	1.0	0.077	8/23/2017 14:01	J
Barium	**20**		**ug/L**	**1**	0.60	0.12	8/23/2017 14:01	J
Cadmium	**1.3**		**ug/L**	**1**	0.50	0.028	8/23/2017 14:01	J
Chromium	**7.9**		**ug/L**	**1**	2.0	0.11	8/23/2017 14:01	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 14:01	J
Copper	**7.5**		**ug/L**	**1**	0.70	0.11	8/23/2017 14:01	J
Lead	**0.57**	**I**	**ug/L**	**1**	0.70	0.24	8/23/2017 14:01	J
Nickel	**0.61**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 14:01	J
Selenium	**8.6**		**ug/L**	**1**	5.0	0.58	8/23/2017 14:01	J
Silver	**0.045**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 14:01	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 14:01	J
Vanadium	**9.3**		**ug/L**	**1**	2.0	0.71	8/23/2017 14:01	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.24**		**ug/L**	**1**	0.10	0.050	8/15/2017 11:43	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315012** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/08/17 12:22

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	8/11/2017 08:21	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 08:21	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 08:21	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 08:21	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 08:21	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 08:21	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 08:21	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 08:21	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:21	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 08:21	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 08:21	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 08:21	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 08:21	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 08:21	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 08:21	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 08:21	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 08:21	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 08:21	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:21	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 08:21	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 08:21	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:21	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 08:21	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 08:21	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 08:21	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 08:21	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 08:21	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 08:21	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 08:21	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 08:21	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 08:21	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 08:21	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 08:21	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 08:21	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 08:21	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 08:21	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 08:21	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315012** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/08/17 12:22

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	8/11/2017 08:21	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 08:21	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 08:21	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 08:21	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 08:21	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 08:21	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 08:21	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 08:21	T
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	70-128		8/11/2017 08:21	
Toluene-d8 (S)	**105**		**%**	**1**	77-119		8/11/2017 08:21	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/11/2017 08:21	
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**	0.10	0.020	8/11/2017 08:21	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 08:21	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		8/11/2017 08:21	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/11/2017 08:21	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 08:21	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.17**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**180**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**19**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:49	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 11:34	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315013** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/08/17 08:57

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	**606**		**umhos/cm**	**1**			8/8/2017 08:57	....
Dissolved Oxygen	**0.12**		**mg/L**	**1**			8/8/2017 08:57	....
ORP-2580BW	**-87.9**		**mV**	**1**			8/8/2017 08:57	....
Temperature	**25.85**		**°C**	**1**			8/8/2017 08:57	....
Turbidity	**11.3**		**NTU**	**1**			8/8/2017 08:57	....
pH	**6.06**		**SU**	**1**			8/8/2017 08:57	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:04	T
Iron	**5700**		**ug/L**	**1**	100	21	8/11/2017 12:04	T
Sodium	**17**		**mg/L**	**1**	0.20	0.17	8/11/2017 12:04	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/11/2017 12:04	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 14:04	J
Arsenic	**0.22**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 14:04	J
Barium	**5.7**		**ug/L**	**1**	0.60	0.12	8/23/2017 14:04	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 14:04	J
Chromium	**0.43**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 14:04	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 14:04	J
Copper	**0.25**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 14:04	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 14:04	J
Nickel	**0.25**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 14:04	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 14:04	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 14:04	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 14:04	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 14:04	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	8/15/2017 11:43	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315013** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/08/17 08:57

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	8/11/2017 08:47	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 08:47	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 08:47	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 08:47	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 08:47	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 08:47	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 08:47	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 08:47	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:47	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 08:47	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 08:47	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 08:47	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 08:47	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 08:47	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 08:47	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 08:47	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 08:47	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 08:47	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:47	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 08:47	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 08:47	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 08:47	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 08:47	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 08:47	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 08:47	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 08:47	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 08:47	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 08:47	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 08:47	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 08:47	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 08:47	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 08:47	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 08:47	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 08:47	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 08:47	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 08:47	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 08:47	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315013** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/08/17 08:57

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	8/11/2017 08:47	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 08:47	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 08:47	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 08:47	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 08:47	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 08:47	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 08:47	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 08:47	T
1,2-Dichloroethane-d4 (S)	**123**		**%**	**1**	70-128		8/11/2017 08:47	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 08:47	
Bromofluorobenzene (S)	**112**		**%**	**1**	86-123		8/11/2017 08:47	
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**	0.10	0.020	8/11/2017 08:47	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 08:47	T
1,2-Dichloroethane-d4 (S)	**107**		**%**	**1**	70-130		8/11/2017 08:47	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/11/2017 08:47	
Bromofluorobenzene (S)	**106**		**%**	**1**	70-130		8/11/2017 08:47	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.36**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**410**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**50**		**mg/L**	**1**	5.0	2.6	8/10/2017 15:48	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 12:29	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315014** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/08/17 09:29

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	**1524**		**umhos/cm**	**1**			8/8/2017 09:29	....
Dissolved Oxygen	**0.08**		**mg/L**	**1**			8/8/2017 09:29	....
ORP-2580BW	**-54.7**		**mV**	**1**			8/8/2017 09:29	....
Temperature	**25.04**		**°C**	**1**			8/8/2017 09:29	....
Turbidity	**8.47**		**NTU**	**1**			8/8/2017 09:29	....
pH	**6.13**		**SU**	**1**			8/8/2017 09:29	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:16	T
Iron	**40000**		**ug/L**	**1**	100	21	8/11/2017 12:16	T
Sodium	**42**		**mg/L**	**1**	0.20	0.17	8/11/2017 12:16	T
Zinc	**17**		**ug/L**	**1**	10	7.4	8/11/2017 12:16	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.10**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 14:08	J
Arsenic	**3.4**		**ug/L**	**1**	1.0	0.077	8/23/2017 14:08	J
Barium	**17**		**ug/L**	**1**	0.60	0.12	8/23/2017 14:08	J
Cadmium	**0.031**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 14:08	J
Chromium	**0.65**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 14:08	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 14:08	J
Copper	**0.22**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 14:08	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 14:08	J
Nickel	**1.8**		**ug/L**	**1**	0.80	0.11	8/23/2017 14:08	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 14:08	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 14:08	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 14:08	J
Vanadium	**4.9**		**ug/L**	**1**	2.0	0.71	8/23/2017 14:08	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	8/15/2017 11:43	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315014** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/08/17 09:29

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	8/11/2017 09:13	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 09:13	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 09:13	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 09:13	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 09:13	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 09:13	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 09:13	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 09:13	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:13	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 09:13	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 09:13	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 09:13	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 09:13	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 09:13	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 09:13	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 09:13	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 09:13	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 09:13	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:13	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 09:13	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 09:13	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:13	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 09:13	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 09:13	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 09:13	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 09:13	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 09:13	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 09:13	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 09:13	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 09:13	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 09:13	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 09:13	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 09:13	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 09:13	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 09:13	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 09:13	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 09:13	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315014** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/08/17 09:29

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	8/11/2017 09:13	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 09:13	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 09:13	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 09:13	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 09:13	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 09:13	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 09:13	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 09:13	T
1,2-Dichloroethane-d4 (S)	**123**		**%**	**1**	70-128		8/11/2017 09:13	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 09:13	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/11/2017 09:13	
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**	0.10	0.020	8/11/2017 09:13	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 09:13	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 09:13	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 09:13	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 09:13	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.9**		**mg/L**	**1**	0.10	0.02	8/14/2017 14:54	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1500**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**280**		**mg/L**	**5**	25	13	8/10/2017 16:06	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 11:35	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315015** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/08/17 08:12

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	**1701**		**umhos/cm**	**1**			8/8/2017 08:12	....
Dissolved Oxygen	**1.02**		**mg/L**	**1**			8/8/2017 08:12	....
ORP-2580BW	**-101.3**		**mV**	**1**			8/8/2017 08:12	....
Temperature	**23.69**		**°C**	**1**			8/8/2017 08:12	....
Turbidity	**1.75**		**NTU**	**1**			8/8/2017 08:12	....
pH	**6.64**		**SU**	**1**			8/8/2017 08:12	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:19	T
Iron	**570**		**ug/L**	**1**	100	21	8/11/2017 12:19	T
Sodium	**120**		**mg/L**	**1**	0.20	0.17	8/11/2017 12:19	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/11/2017 12:19	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.091**	**U**	**ug/L**	**1**	1.4	0.091	8/23/2017 14:12	J
Arsenic	**0.18**	**I**	**ug/L**	**1**	2.0	0.15	8/23/2017 14:12	J
Barium	**27**		**ug/L**	**1**	1.2	0.25	8/23/2017 14:12	J
Cadmium	**0.056**	**U**	**ug/L**	**1**	1.0	0.056	8/23/2017 14:12	J
Chromium	**0.37**	**I**	**ug/L**	**1**	4.0	0.21	8/23/2017 14:12	J
Cobalt	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/23/2017 14:12	J
Copper	**1.2**	**I**	**ug/L**	**1**	1.4	0.22	8/23/2017 14:12	J
Lead	**0.48**	**U**	**ug/L**	**1**	1.4	0.48	8/23/2017 14:12	J
Nickel	**2.0**		**ug/L**	**1**	1.6	0.22	8/23/2017 14:12	J
Selenium	**1.2**	**U**	**ug/L**	**1**	10	1.2	8/23/2017 14:12	J
Silver	**0.054**	**U**	**ug/L**	**1**	1.0	0.054	8/23/2017 14:12	J
Thallium	**0.11**	**U**	**ug/L**	**1**	0.40	0.11	8/23/2017 14:12	J
Vanadium	**6.1**		**ug/L**	**1**	4.0	1.4	8/23/2017 14:12	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	8/15/2017 11:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315015** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/08/17 08:12

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	8/11/2017 09:39	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 09:39	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 09:39	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 09:39	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 09:39	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 09:39	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 09:39	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 09:39	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:39	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 09:39	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 09:39	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 09:39	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 09:39	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 09:39	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 09:39	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 09:39	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 09:39	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 09:39	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:39	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 09:39	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 09:39	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 09:39	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 09:39	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 09:39	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 09:39	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 09:39	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 09:39	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 09:39	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 09:39	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 09:39	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 09:39	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 09:39	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 09:39	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 09:39	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 09:39	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 09:39	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 09:39	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315015** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/08/17 08:12

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	8/11/2017 09:39	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 09:39	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 09:39	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 09:39	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 09:39	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 09:39	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 09:39	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 09:39	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/11/2017 09:39	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/11/2017 09:39	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/11/2017 09:39	
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**	0.10	0.020	8/11/2017 09:39	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 09:39	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 09:39	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 09:39	
Bromofluorobenzene (S)	**108**		**%**	**1**	70-130		8/11/2017 09:39	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**13**		**mg/L**	**5**	0.50	0.12	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1100**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**310**	**J4**	**mg/L**	**5**	25	13	8/10/2017 16:04	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 12:36	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315016** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/08/17 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	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:23	T
Iron	**550**		**ug/L**	**1**	100	21	8/11/2017 12:23	T
Sodium	**120**		**mg/L**	**1**	0.20	0.17	8/11/2017 12:23	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/11/2017 12:23	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.23**	**U**	**ug/L**	**1**	3.5	0.23	8/23/2017 14:16	J
Arsenic	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	8/23/2017 14:16	J
Barium	**30**		**ug/L**	**1**	3.0	0.62	8/23/2017 14:16	J
Cadmium	**0.14**	**U**	**ug/L**	**1**	2.5	0.14	8/23/2017 14:16	J
Chromium	**0.53**	**U**	**ug/L**	**1**	10	0.53	8/23/2017 14:16	J
Cobalt	**0.96**	**U**	**ug/L**	**1**	2.5	0.96	8/23/2017 14:16	J
Copper	**1.7**	**I**	**ug/L**	**1**	3.5	0.54	8/23/2017 14:16	J
Lead	**1.2**	**U**	**ug/L**	**1**	3.5	1.2	8/23/2017 14:16	J
Nickel	**2.2**	**I**	**ug/L**	**1**	4.0	0.54	8/23/2017 14:16	J
Selenium	**2.9**	**U**	**ug/L**	**1**	25	2.9	8/23/2017 14:16	J
Silver	**0.13**	**U**	**ug/L**	**1**	2.5	0.13	8/23/2017 14:16	J
Thallium	**0.28**	**U**	**ug/L**	**1**	1.0	0.28	8/23/2017 14:16	J
Vanadium	**3.6**	**U**	**ug/L**	**1**	10	3.6	8/23/2017 14:16	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	8/15/2017 11:43	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	8/11/2017 10:05	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 10:05	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 10:05	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 10:05	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 10:05	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 10:05	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 10:05	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315016** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/08/17 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	8/11/2017 10:05	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 10:05	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 10:05	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 10:05	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 10:05	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 10:05	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 10:05	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 10:05	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 10:05	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 10:05	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 10:05	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 10:05	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 10:05	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 10:05	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 10:05	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 10:05	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 10:05	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 10:05	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 10:05	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 10:05	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 10:05	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 10:05	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 10:05	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 10:05	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 10:05	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 10:05	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 10:05	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 10:05	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 10:05	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 10:05	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/11/2017 10:05	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 10:05	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 10:05	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 10:05	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 10:05	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 10:05	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 10:05	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 10:05	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/11/2017 10:05	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 10:05	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315016** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/08/17 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**113**		**%**	**1**	86-123		8/11/2017 10:05	
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**	0.10	0.020	8/11/2017 10:05	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 10:05	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 10:05	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 10:05	
Bromofluorobenzene (S)	**105**		**%**	**1**	70-130		8/11/2017 10:05	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**14**	**J4**	**mg/L**	**5**	0.50	0.12	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1100**		**mg/L**	**1.25**	12	12	8/14/2017 08:35	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**310**		**mg/L**	**5**	25	13	8/10/2017 16:06	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 12:37	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315017** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/08/17 07:35

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	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 12:27	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/11/2017 12:27	T
Sodium	**0.17**	**U**	**mg/L**	**1**	0.20	0.17	8/11/2017 12:27	T
Zinc	**9.7**	**I**	**ug/L**	**1**	10	7.4	8/11/2017 12:27	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 14:19	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/23/2017 14:19	J
Barium	**0.12**	**U**	**ug/L**	**1**	0.60	0.12	8/23/2017 14:19	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 14:19	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/23/2017 14:19	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 14:19	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/23/2017 14:19	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 14:19	J
Nickel	**0.15**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 14:19	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 14:19	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 14:19	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 14:19	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 14:19	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	8/15/2017 11:43	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	8/10/2017 22:00	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/10/2017 22:00	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/10/2017 22:00	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/10/2017 22:00	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/10/2017 22:00	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/10/2017 22:00	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/10/2017 22:00	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315017** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/08/17 07:35

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	8/10/2017 22:00	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:00	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 22:00	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/10/2017 22:00	T
2-Butanone (MEK)	**1.8**		**ug/L**	**1**	1.0	0.59	8/10/2017 22:00	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/10/2017 22:00	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/10/2017 22:00	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 22:00	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/10/2017 22:00	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 22:00	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/10/2017 22:00	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:00	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/10/2017 22:00	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/10/2017 22:00	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:00	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/10/2017 22:00	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/10/2017 22:00	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 22:00	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/10/2017 22:00	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/10/2017 22:00	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 22:00	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 22:00	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 22:00	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/10/2017 22:00	T
Methylene Chloride	**2.5**		**ug/L**	**1**	2.0	1.0	8/10/2017 22:00	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 22:00	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/10/2017 22:00	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/10/2017 22:00	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/10/2017 22:00	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 22:00	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/10/2017 22:00	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 22:00	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/10/2017 22:00	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/10/2017 22:00	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 22:00	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/10/2017 22:00	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/10/2017 22:00	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/10/2017 22:00	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		8/10/2017 22:00	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/10/2017 22:00	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315017** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/08/17 07:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**106**		**%**	**1**	86-123		8/10/2017 22:00	
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**	0.10	0.020	8/10/2017 22:00	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/10/2017 22:00	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-130		8/10/2017 22:00	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/10/2017 22:00	
Bromofluorobenzene (S)	**100**		**%**	**1**	70-130		8/10/2017 22:00	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.02**	**U**	**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**12**	**U**	**mg/L**	**1.25**	12	12	8/14/2017 08:35	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	8/10/2017 15:50	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/9/2017 12:38	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315018** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/08/17 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	8/10/2017 22:26	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/10/2017 22:26	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/10/2017 22:26	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/10/2017 22:26	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/10/2017 22:26	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/10/2017 22:26	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/10/2017 22:26	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/10/2017 22:26	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:26	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 22:26	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/10/2017 22:26	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/10/2017 22:26	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/10/2017 22:26	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/10/2017 22:26	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 22:26	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/10/2017 22:26	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 22:26	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/10/2017 22:26	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:26	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/10/2017 22:26	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/10/2017 22:26	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/10/2017 22:26	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/10/2017 22:26	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/10/2017 22:26	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 22:26	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/10/2017 22:26	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/10/2017 22:26	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/10/2017 22:26	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/10/2017 22:26	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 22:26	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/10/2017 22:26	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/10/2017 22:26	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/10/2017 22:26	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/10/2017 22:26	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/10/2017 22:26	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/10/2017 22:26	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315018** Date Received: 08/08/17 14:30 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/08/17 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	8/10/2017 22:26	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/10/2017 22:26	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/10/2017 22:26	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/10/2017 22:26	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/10/2017 22:26	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/10/2017 22:26	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/10/2017 22:26	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/10/2017 22:26	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/10/2017 22:26	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		8/10/2017 22:26	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/10/2017 22:26	
Bromofluorobenzene (S)	**107**		**%**	**1**	86-123		8/10/2017 22:26	
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**	0.10	0.020	8/10/2017 22:26	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/10/2017 22:26	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/10/2017 22:26	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/10/2017 22:26	
Bromofluorobenzene (S)	**102**		**%**	**1**	70-130		8/10/2017 22:26	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315019** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/09/17 09:10

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	**177**		**umhos/cm**	**1**			8/9/2017 09:10	....
Dissolved Oxygen	**0.57**		**mg/L**	**1**			8/9/2017 09:10	....
ORP-2580BW	**-37.2**		**mV**	**1**			8/9/2017 09:10	....
Temperature	**25.83**		**°C**	**1**			8/9/2017 09:10	....
Turbidity	**3.37**		**NTU**	**1**			8/9/2017 09:10	....
pH	**5.45**		**SU**	**1**			8/9/2017 09:10	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 21:05	T
Iron	**960**		**ug/L**	**1**	100	21	8/11/2017 21:05	T
Sodium	**3.8**		**mg/L**	**1**	0.20	0.17	8/11/2017 21:05	T
Zinc	**37**		**ug/L**	**1**	10	7.4	8/11/2017 21:05	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.10**	**I**	**ug/L**	**1**	0.70	0.046	8/17/2017 14:44	J
Arsenic	**3.0**		**ug/L**	**1**	1.0	0.077	8/17/2017 14:44	J
Barium	**7.1**		**ug/L**	**1**	0.60	0.12	8/17/2017 14:44	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/17/2017 14:44	J
Chromium	**0.90**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 14:44	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/17/2017 14:44	J
Copper	**0.80**		**ug/L**	**1**	0.70	0.11	8/17/2017 14:44	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 14:44	J
Nickel	**0.59**	**I**	**ug/L**	**1**	0.80	0.11	8/17/2017 14:44	J
Selenium	**0.61**	**I**	**ug/L**	**1**	5.0	0.58	8/17/2017 14:44	J
Silver	**0.030**	**I**	**ug/L**	**1**	0.50	0.027	8/17/2017 14:44	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/17/2017 14:44	J
Vanadium	**2.4**		**ug/L**	**1**	2.0	0.71	8/17/2017 14:44	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	8/15/2017 11:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315019** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/09/17 09:10

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	8/11/2017 18:20	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 18:20	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 18:20	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 18:20	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 18:20	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 18:20	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 18:20	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 18:20	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:20	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 18:20	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 18:20	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 18:20	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 18:20	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 18:20	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 18:20	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 18:20	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 18:20	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 18:20	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:20	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 18:20	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 18:20	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:20	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 18:20	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 18:20	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 18:20	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 18:20	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 18:20	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 18:20	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 18:20	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 18:20	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 18:20	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 18:20	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 18:20	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 18:20	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 18:20	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 18:20	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 18:20	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315019** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/09/17 09:10

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	8/11/2017 18:20	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 18:20	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 18:20	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 18:20	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 18:20	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 18:20	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 18:20	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 18:20	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/11/2017 18:20	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/11/2017 18:20	
Bromofluorobenzene (S)	**112**		**%**	**1**	86-123		8/11/2017 18:20	
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**	0.10	0.020	8/11/2017 18:20	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 18:20	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/11/2017 18:20	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 18:20	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/11/2017 18:20	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.12**		**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**120**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.3**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/10/2017 12:28	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315020** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/09/17 09:43

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	**207**		**umhos/cm**	**1**			8/9/2017 09:43	....
Dissolved Oxygen	**0.75**		**mg/L**	**1**			8/9/2017 09:43	....
ORP-2580BW	**34**		**mV**	**1**			8/9/2017 09:43	....
Temperature	**26.97**		**°C**	**1**			8/9/2017 09:43	....
Turbidity	**7.28**		**NTU**	**1**			8/9/2017 09:43	....
pH	**5.74**		**SU**	**1**			8/9/2017 09:43	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 21:17	T
Iron	**39**	**I**	**ug/L**	**1**	100	21	8/11/2017 21:17	T
Sodium	**3.3**		**mg/L**	**1**	0.20	0.17	8/11/2017 21:17	T
Zinc	**19**		**ug/L**	**1**	10	7.4	8/11/2017 21:17	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**4.4**		**ug/L**	**1**	0.70	0.046	8/17/2017 14:56	J
Arsenic	**0.78**	**I**	**ug/L**	**1**	1.0	0.077	8/17/2017 14:56	J
Barium	**7.7**		**ug/L**	**1**	0.60	0.12	8/17/2017 14:56	J
Cadmium	**1.5**		**ug/L**	**1**	0.50	0.028	8/17/2017 14:56	J
Chromium	**0.95**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 14:56	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/17/2017 14:56	J
Copper	**3.0**		**ug/L**	**1**	0.70	0.11	8/17/2017 14:56	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 14:56	J
Nickel	**4.1**		**ug/L**	**1**	0.80	0.11	8/17/2017 14:56	J
Selenium	**2.9**	**I**	**ug/L**	**1**	5.0	0.58	8/17/2017 14:56	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/17/2017 14:56	J
Thallium	**0.11**	**I**	**ug/L**	**1**	0.20	0.057	8/17/2017 14:56	J
Vanadium	**120**		**ug/L**	**1**	2.0	0.71	8/17/2017 14:56	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	8/15/2017 11:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315020** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/09/17 09:43

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	8/11/2017 18:46	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 18:46	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 18:46	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 18:46	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 18:46	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 18:46	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 18:46	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 18:46	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:46	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 18:46	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 18:46	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 18:46	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 18:46	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 18:46	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 18:46	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 18:46	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 18:46	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 18:46	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:46	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 18:46	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 18:46	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 18:46	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 18:46	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 18:46	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 18:46	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 18:46	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 18:46	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 18:46	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 18:46	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 18:46	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 18:46	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 18:46	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 18:46	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 18:46	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 18:46	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 18:46	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 18:46	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315020** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/09/17 09:43

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	8/11/2017 18:46	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 18:46	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 18:46	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 18:46	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 18:46	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 18:46	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 18:46	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 18:46	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/11/2017 18:46	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 18:46	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/11/2017 18:46	
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**	0.10	0.020	8/11/2017 18:46	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 18:46	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 18:46	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 18:46	
Bromofluorobenzene (S)	**105**		**%**	**1**	70-130		8/11/2017 18:46	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.18**		**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**4.9**	**I**	**mg/L**	**1**	5.0	2.6	8/15/2017 11:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.21**		**mg/L**	**1**	0.20	0.18	8/11/2017 07:27	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315021** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/09/17 10:52

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	**210**		**umhos/cm**	**1**			8/9/2017 10:52	....
Dissolved Oxygen	**0.09**		**mg/L**	**1**			8/9/2017 10:52	....
ORP-2580BW	**-61.5**		**mV**	**1**			8/9/2017 10:52	....
Temperature	**25.67**		**°C**	**1**			8/9/2017 10:52	....
Turbidity	**1.96**		**NTU**	**1**			8/9/2017 10:52	....
pH	**5.73**		**SU**	**1**			8/9/2017 10:52	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 21:20	T
Iron	**2800**		**ug/L**	**1**	100	21	8/11/2017 21:20	T
Sodium	**5.7**		**mg/L**	**1**	0.20	0.17	8/11/2017 21:20	T
Zinc	**19**		**ug/L**	**1**	10	7.4	8/11/2017 21:20	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.21**	**I**	**ug/L**	**1**	0.70	0.046	8/17/2017 15:00	J
Arsenic	**4.7**		**ug/L**	**1**	1.0	0.077	8/17/2017 15:00	J
Barium	**1.9**		**ug/L**	**1**	0.60	0.12	8/17/2017 15:00	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/17/2017 15:00	J
Chromium	**1.1**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 15:00	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/17/2017 15:00	J
Copper	**0.12**	**I**	**ug/L**	**1**	0.70	0.11	8/17/2017 15:00	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 15:00	J
Nickel	**0.37**	**I**	**ug/L**	**1**	0.80	0.11	8/17/2017 15:00	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/17/2017 15:00	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/17/2017 15:00	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/17/2017 15:00	J
Vanadium	**2.0**		**ug/L**	**1**	2.0	0.71	8/17/2017 15:00	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	8/15/2017 11:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315021** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/09/17 10:52

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	8/11/2017 19:13	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 19:13	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 19:13	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 19:13	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 19:13	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 19:13	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 19:13	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 19:13	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:13	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 19:13	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 19:13	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 19:13	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 19:13	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 19:13	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 19:13	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 19:13	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 19:13	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 19:13	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:13	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 19:13	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 19:13	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:13	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 19:13	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 19:13	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 19:13	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 19:13	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 19:13	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 19:13	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 19:13	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 19:13	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 19:13	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 19:13	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 19:13	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 19:13	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 19:13	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 19:13	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 19:13	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315021** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/09/17 10:52

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	8/11/2017 19:13	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 19:13	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 19:13	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 19:13	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 19:13	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 19:13	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 19:13	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 19:13	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/11/2017 19:13	
Toluene-d8 (S)	**110**		**%**	**1**	77-119		8/11/2017 19:13	
Bromofluorobenzene (S)	**113**		**%**	**1**	86-123		8/11/2017 19:13	
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**	0.10	0.020	8/11/2017 19:13	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 19:13	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/11/2017 19:13	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		8/11/2017 19:13	
Bromofluorobenzene (S)	**102**		**%**	**1**	70-130		8/11/2017 19:13	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.38**		**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**9.4**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 07:42	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315022** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/09/17 10:21

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**		**umhos/cm**	**1**			8/9/2017 10:21	....
Dissolved Oxygen	**0.18**		**mg/L**	**1**			8/9/2017 10:21	....
ORP-2580BW	**-113.2**		**mV**	**1**			8/9/2017 10:21	....
Temperature	**27.33**		**°C**	**1**			8/9/2017 10:21	....
Turbidity	**1.53**		**NTU**	**1**			8/9/2017 10:21	....
pH	**5.92**		**SU**	**1**			8/9/2017 10:21	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 21:24	T
Iron	**1300**		**ug/L**	**1**	100	21	8/11/2017 21:24	T
Sodium	**13**		**mg/L**	**1**	0.20	0.17	8/11/2017 21:24	T
Zinc	**21**		**ug/L**	**1**	10	7.4	8/11/2017 21:24	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.36**	**I**	**ug/L**	**1**	0.70	0.046	8/17/2017 15:04	J
Arsenic	**1.9**		**ug/L**	**1**	1.0	0.077	8/17/2017 15:04	J
Barium	**2.9**		**ug/L**	**1**	0.60	0.12	8/17/2017 15:04	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/17/2017 15:04	J
Chromium	**0.71**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 15:04	J
Cobalt	**1.7**		**ug/L**	**1**	0.50	0.19	8/17/2017 15:04	J
Copper	**1.4**		**ug/L**	**1**	0.70	0.11	8/17/2017 15:04	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 15:04	J
Nickel	**4.3**		**ug/L**	**1**	0.80	0.11	8/17/2017 15:04	J
Selenium	**1.1**	**I**	**ug/L**	**1**	5.0	0.58	8/17/2017 15:04	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/17/2017 15:04	J
Thallium	**0.066**	**I**	**ug/L**	**1**	0.20	0.057	8/17/2017 15:04	J
Vanadium	**9.1**		**ug/L**	**1**	2.0	0.71	8/17/2017 15:04	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	8/21/2017 12:53	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315022** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/09/17 10:21

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	8/11/2017 19:39	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 19:39	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 19:39	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 19:39	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 19:39	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 19:39	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 19:39	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 19:39	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:39	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 19:39	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 19:39	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 19:39	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 19:39	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 19:39	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 19:39	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 19:39	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 19:39	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 19:39	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:39	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 19:39	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 19:39	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 19:39	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 19:39	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 19:39	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 19:39	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 19:39	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 19:39	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 19:39	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 19:39	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 19:39	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 19:39	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 19:39	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 19:39	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 19:39	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 19:39	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 19:39	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 19:39	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315022** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/09/17 10:21

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	8/11/2017 19:39	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 19:39	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 19:39	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 19:39	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 19:39	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 19:39	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 19:39	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 19:39	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/11/2017 19:39	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/11/2017 19:39	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/11/2017 19:39	
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**	0.10	0.020	8/11/2017 19:39	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 19:39	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/11/2017 19:39	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/11/2017 19:39	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/11/2017 19:39	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.05**	**I**	**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**220**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**21**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:17	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.20**		**mg/L**	**1**	0.20	0.18	8/11/2017 07:31	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315023** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/09/17 11:23

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	**253**		**umhos/cm**	**1**			8/9/2017 11:23	....
Dissolved Oxygen	**0.24**		**mg/L**	**1**			8/9/2017 11:23	....
ORP-2580BW	**2**		**mV**	**1**			8/9/2017 11:23	....
Temperature	**27.15**		**°C**	**1**			8/9/2017 11:23	....
Turbidity	**3.28**		**NTU**	**1**			8/9/2017 11:23	....
pH	**6.32**		**SU**	**1**			8/9/2017 11:23	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/11/2017 21:46	T
Iron	**500**		**ug/L**	**1**	100	21	8/11/2017 21:46	T
Sodium	**10**		**mg/L**	**1**	0.20	0.17	8/11/2017 21:46	T
Zinc	**120**		**ug/L**	**1**	10	7.4	8/11/2017 21:46	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	0.046	8/17/2017 15:09	J
Arsenic	**1.7**		**ug/L**	**1**	1.0	0.077	8/17/2017 15:09	J
Barium	**5.4**		**ug/L**	**1**	0.60	0.12	8/17/2017 15:09	J
Cadmium	**0.32**	**I**	**ug/L**	**1**	0.50	0.028	8/17/2017 15:09	J
Chromium	**0.53**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 15:09	J
Cobalt	**2.2**		**ug/L**	**1**	0.50	0.19	8/17/2017 15:09	J
Copper	**3.6**		**ug/L**	**1**	0.70	0.11	8/17/2017 15:09	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 15:09	J
Nickel	**5.9**		**ug/L**	**1**	0.80	0.11	8/17/2017 15:09	J
Selenium	**0.82**	**I**	**ug/L**	**1**	5.0	0.58	8/17/2017 15:09	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/17/2017 15:09	J
Thallium	**0.43**		**ug/L**	**1**	0.20	0.057	8/17/2017 15:09	J
Vanadium	**7.5**		**ug/L**	**1**	2.0	0.71	8/17/2017 15:09	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	8/21/2017 12:53	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315023** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/09/17 11:23

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	8/11/2017 20:05	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 20:05	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 20:05	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 20:05	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 20:05	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 20:05	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 20:05	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 20:05	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 20:05	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 20:05	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 20:05	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 20:05	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 20:05	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 20:05	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 20:05	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 20:05	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 20:05	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 20:05	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 20:05	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 20:05	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 20:05	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 20:05	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 20:05	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 20:05	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 20:05	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 20:05	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 20:05	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 20:05	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 20:05	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 20:05	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 20:05	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 20:05	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 20:05	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 20:05	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 20:05	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 20:05	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 20:05	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315023** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/09/17 11:23

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	8/11/2017 20:05	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 20:05	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 20:05	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 20:05	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 20:05	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 20:05	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 20:05	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 20:05	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/11/2017 20:05	
Toluene-d8 (S)	**111**		**%**	**1**	77-119		8/11/2017 20:05	
Bromofluorobenzene (S)	**113**		**%**	**1**	86-123		8/11/2017 20:05	
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**	0.10	0.020	8/11/2017 20:05	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 20:05	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/11/2017 20:05	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		8/11/2017 20:05	
Bromofluorobenzene (S)	**108**		**%**	**1**	70-130		8/11/2017 20:05	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.08**	**I**	**mg/L**	**1**	0.10	0.02	8/21/2017 13:23	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**21**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:18	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 07:44	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315024** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/09/17 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	8/11/2017 17:54	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/11/2017 17:54	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/11/2017 17:54	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/11/2017 17:54	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/11/2017 17:54	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/11/2017 17:54	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/11/2017 17:54	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/11/2017 17:54	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 17:54	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 17:54	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/11/2017 17:54	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/11/2017 17:54	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/11/2017 17:54	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/11/2017 17:54	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 17:54	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/11/2017 17:54	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 17:54	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/11/2017 17:54	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 17:54	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/11/2017 17:54	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/11/2017 17:54	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/11/2017 17:54	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/11/2017 17:54	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/11/2017 17:54	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 17:54	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/11/2017 17:54	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/11/2017 17:54	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/11/2017 17:54	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/11/2017 17:54	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 17:54	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/11/2017 17:54	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/11/2017 17:54	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/11/2017 17:54	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/11/2017 17:54	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/11/2017 17:54	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/11/2017 17:54	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315024** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/09/17 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	8/11/2017 17:54	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/11/2017 17:54	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/11/2017 17:54	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/11/2017 17:54	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/11/2017 17:54	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/11/2017 17:54	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/11/2017 17:54	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/11/2017 17:54	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/11/2017 17:54	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/11/2017 17:54	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/11/2017 17:54	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/11/2017 17:54	
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**	0.10	0.020	8/11/2017 17:54	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/11/2017 17:54	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/11/2017 17:54	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/11/2017 17:54	
Bromofluorobenzene (S)	**102**		**%**	**1**	70-130		8/11/2017 17:54	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315025** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Keene Residence** Date Collected: 08/10/17 08:36

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	**342**		**umhos/cm**	**1**			8/10/2017 08:36	**....**
Dissolved Oxygen	**0.12**		**mg/L**	**1**			8/10/2017 08:36	....
ORP-2580BW	**-17.3**		**mV**	**1**			8/10/2017 08:36	....
Temperature	**24.99**		**°C**	**1**			8/10/2017 08:36	....
Turbidity	**1.82**		**NTU**	**1**			8/10/2017 08:36	....
pH	**7.39**		**SU**	**1**			8/10/2017 08:36	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:17	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/15/2017 19:17	T
Sodium	**7.7**		**mg/L**	**1**	0.20	0.17	8/15/2017 19:17	T
Zinc	**48**		**ug/L**	**1**	10	7.4	8/15/2017 19:17	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:19	J
Arsenic	**0.49**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 16:19	J
Barium	**3.7**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:19	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:19	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:19	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:19	J
Copper	**1.8**		**ug/L**	**1**	0.70	0.11	8/23/2017 16:19	J
Lead	**0.30**	**I**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:19	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	8/23/2017 16:19	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:19	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:19	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:19	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:19	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	8/21/2017 12:53	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315025** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Keene Residence** Date Collected: 08/10/17 08:36

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	8/15/2017 19:27	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 19:27	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 19:27	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 19:27	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 19:27	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 19:27	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 19:27	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 19:27	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:27	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:27	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 19:27	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 19:27	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 19:27	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 19:27	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 19:27	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 19:27	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:27	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 19:27	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:27	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 19:27	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 19:27	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:27	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 19:27	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 19:27	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:27	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 19:27	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 19:27	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:27	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:27	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:27	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 19:27	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 19:27	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:27	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 19:27	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 19:27	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 19:27	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:27	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315025** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Keene Residence** Date Collected: 08/10/17 08:36

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	8/15/2017 19:27	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:27	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 19:27	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 19:27	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:27	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 19:27	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 19:27	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 19:27	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/15/2017 19:27	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/15/2017 19:27	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/15/2017 19:27	
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**	0.10	0.020	8/15/2017 19:27	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 19:27	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 19:27	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		8/15/2017 19:27	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/15/2017 19:27	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.14**		**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**190**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:24	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.28**		**mg/L**	**1**	0.20	0.18	8/11/2017 12:57	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315026** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Holland Residence** Date Collected: 08/10/17 09:09

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	**393**		**umhos/cm**	**1**			8/10/2017 09:09	....
Dissolved Oxygen	**0.03**		**mg/L**	**1**			8/10/2017 09:09	....
ORP-2580BW	**-132.5**		**mV**	**1**			8/10/2017 09:09	....
Temperature	**24.15**		**°C**	**1**			8/10/2017 09:09	....
Turbidity	**3.76**		**NTU**	**1**			8/10/2017 09:09	....
pH	**7.02**		**SU**	**1**			8/10/2017 09:09	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:43	T
Iron	**1500**		**ug/L**	**1**	100	21	8/15/2017 19:43	T
Sodium	**6.1**		**mg/L**	**1**	0.20	0.17	8/15/2017 19:43	T
Zinc	**35**		**ug/L**	**1**	10	7.4	8/15/2017 19:43	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.048**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:30	J
Arsenic	**0.24**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 16:30	J
Barium	**3.6**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:30	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:30	J
Chromium	**0.12**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:30	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:30	J
Copper	**15**		**ug/L**	**1**	0.70	0.11	8/23/2017 16:30	J
Lead	**0.87**		**ug/L**	**1**	0.70	0.24	8/23/2017 16:30	J
Nickel	**6.6**		**ug/L**	**1**	0.80	0.11	8/23/2017 16:30	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:30	J
Silver	**0.035**	**I**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:30	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:30	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:30	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	8/21/2017 12:53	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315026** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Holland Residence** Date Collected: 08/10/17 09:09

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	8/15/2017 19:53	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 19:53	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 19:53	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 19:53	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 19:53	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 19:53	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 19:53	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 19:53	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:53	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:53	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 19:53	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 19:53	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 19:53	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 19:53	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 19:53	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 19:53	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:53	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 19:53	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:53	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 19:53	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 19:53	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:53	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 19:53	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 19:53	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:53	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 19:53	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 19:53	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:53	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:53	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:53	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 19:53	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 19:53	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:53	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 19:53	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 19:53	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 19:53	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:53	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315026** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Holland Residence** Date Collected: 08/10/17 09:09

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	8/15/2017 19:53	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:53	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 19:53	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 19:53	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:53	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 19:53	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 19:53	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 19:53	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/15/2017 19:53	
Toluene-d8 (S)	**109**		**%**	**1**	77-119		8/15/2017 19:53	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/15/2017 19:53	
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**	0.10	0.020	8/15/2017 19:53	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 19:53	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		8/15/2017 19:53	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/15/2017 19:53	
Bromofluorobenzene (S)	**105**		**%**	**1**	70-130		8/15/2017 19:53	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.02**	**U**	**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**230**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**20**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:26	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 12:59	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315027** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Barnes Residence** Date Collected: 08/10/17 09:41

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	**347**		**umhos/cm**	**1**			8/10/2017 09:41	....
Dissolved Oxygen	**1.07**		**mg/L**	**1**			8/10/2017 09:41	....
ORP-2580BW	**24.3**		**mV**	**1**			8/10/2017 09:41	....
Temperature	**23.59**		**°C**	**1**			8/10/2017 09:41	....
Turbidity	**1.42**		**NTU**	**1**			8/10/2017 09:41	....
pH	**7.25**		**SU**	**1**			8/10/2017 09:41	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:47	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/15/2017 19:47	T
Sodium	**15**		**mg/L**	**1**	0.20	0.17	8/15/2017 19:47	T
Zinc	**160**		**ug/L**	**1**	10	7.4	8/15/2017 19:47	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:34	J
Arsenic	**0.22**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 16:34	J
Barium	**3.5**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:34	J
Cadmium	**0.035**	**I**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:34	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:34	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:34	J
Copper	**0.79**		**ug/L**	**1**	0.70	0.11	8/23/2017 16:34	J
Lead	**1.2**		**ug/L**	**1**	0.70	0.24	8/23/2017 16:34	J
Nickel	**0.21**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 16:34	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:34	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:34	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:34	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:34	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	8/21/2017 12:53	T
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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315027** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Barnes Residence** Date Collected: 08/10/17 09:41

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	8/15/2017 20:19	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 20:19	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 20:19	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 20:19	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 20:19	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 20:19	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 20:19	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 20:19	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:19	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 20:19	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 20:19	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 20:19	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 20:19	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 20:19	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 20:19	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 20:19	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 20:19	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 20:19	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:19	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 20:19	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 20:19	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:19	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 20:19	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 20:19	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 20:19	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 20:19	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 20:19	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 20:19	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 20:19	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 20:19	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 20:19	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 20:19	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 20:19	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 20:19	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 20:19	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 20:19	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 20:19	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315027** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Barnes Residence** Date Collected: 08/10/17 09:41

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	8/15/2017 20:19	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 20:19	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 20:19	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 20:19	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 20:19	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 20:19	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 20:19	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 20:19	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/15/2017 20:19	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		8/15/2017 20:19	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/15/2017 20:19	
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**	0.10	0.020	8/15/2017 20:19	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 20:19	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 20:19	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/15/2017 20:19	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/15/2017 20:19	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.08**	**I**	**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**190**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.8**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:27	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.44**		**mg/L**	**1**	0.20	0.18	8/11/2017 12:56	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315028** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/10/17 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	8/21/2017 17:22	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2017 17:22	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/21/2017 17:22	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2017 17:22	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2017 17:22	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2017 17:22	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2017 17:22	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2017 17:22	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:22	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2017 17:22	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2017 17:22	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2017 17:22	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2017 17:22	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2017 17:22	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2017 17:22	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/21/2017 17:22	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/21/2017 17:22	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2017 17:22	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:22	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/21/2017 17:22	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/21/2017 17:22	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:22	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/21/2017 17:22	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2017 17:22	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2017 17:22	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2017 17:22	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/21/2017 17:22	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2017 17:22	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2017 17:22	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2017 17:22	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2017 17:22	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2017 17:22	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2017 17:22	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/21/2017 17:22	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2017 17:22	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/21/2017 17:22	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315028** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/10/17 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	8/21/2017 17:22	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2017 17:22	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2017 17:22	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/21/2017 17:22	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2017 17:22	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/21/2017 17:22	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2017 17:22	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/21/2017 17:22	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2017 17:22	T
1,2-Dichloroethane-d4 (S)	**122**		**%**	**1**	70-128		8/21/2017 17:22	
Toluene-d8 (S)	**106**		**%**	**1**	77-119		8/21/2017 17:22	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/21/2017 17:22	
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**	0.10	0.020	8/21/2017 17:22	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/21/2017 17:22	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		8/21/2017 17:22	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/21/2017 17:22	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/21/2017 17:22	

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315029** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/10/17 10:27

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	**608**		**umhos/cm**	**1**			8/10/2017 10:27	....
Dissolved Oxygen	**0.26**		**mg/L**	**1**			8/10/2017 10:27	....
ORP-2580BW	**-69.2**		**mV**	**1**			8/10/2017 10:27	....
Temperature	**25.7**		**°C**	**1**			8/10/2017 10:27	....
Turbidity	**31.8**		**NTU**	**1**			8/10/2017 10:27	....
pH	**6.27**		**SU**	**1**			8/10/2017 10:27	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:51	T
Iron	**30000**		**ug/L**	**1**	100	21	8/15/2017 19:51	T
Sodium	**12**		**mg/L**	**1**	0.20	0.17	8/15/2017 19:51	T
Zinc	**24**		**ug/L**	**1**	10	7.4	8/15/2017 19:51	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:38	J
Arsenic	**3.1**		**ug/L**	**1**	1.0	0.077	8/23/2017 16:38	J
Barium	**7.8**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:38	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:38	J
Chromium	**0.43**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:38	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:38	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/23/2017 16:38	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:38	J
Nickel	**0.67**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 16:38	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:38	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:38	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:38	J
Vanadium	**1.2**	**I**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:38	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	8/21/2017 12:53	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315029** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/10/17 10:27

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	8/15/2017 20:45	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 20:45	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 20:45	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 20:45	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 20:45	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 20:45	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 20:45	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 20:45	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:45	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 20:45	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 20:45	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 20:45	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 20:45	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 20:45	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 20:45	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 20:45	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 20:45	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 20:45	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:45	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 20:45	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 20:45	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 20:45	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 20:45	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 20:45	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 20:45	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 20:45	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 20:45	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 20:45	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 20:45	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 20:45	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 20:45	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 20:45	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 20:45	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 20:45	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 20:45	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 20:45	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 20:45	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315029** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/10/17 10:27

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	8/15/2017 20:45	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 20:45	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 20:45	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 20:45	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 20:45	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 20:45	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 20:45	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 20:45	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/15/2017 20:45	
Toluene-d8 (S)	**110**		**%**	**1**	77-119		8/15/2017 20:45	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/15/2017 20:45	
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**	0.10	0.020	8/15/2017 20:45	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 20:45	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/15/2017 20:45	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		8/15/2017 20:45	
Bromofluorobenzene (S)	**106**		**%**	**1**	70-130		8/15/2017 20:45	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.4**		**mg/L**	**1**	0.10	0.02	8/17/2017 13:49	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**50**		**mg/L**	**1**	5.0	2.6	8/15/2017 11:27	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 12:44	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315030** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/09/17 12:12

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	**1140**		**umhos/cm**	**1**			8/9/2017 12:12	....
Dissolved Oxygen	**1.5**		**mg/L**	**1**			8/9/2017 12:12	....
ORP-2580BW	**-28.6**		**mV**	**1**			8/9/2017 12:12	....
Temperature	**29.19**		**°C**	**1**			8/9/2017 12:12	....
Turbidity	**6.91**		**NTU**	**1**			8/9/2017 12:12	....
pH	**6.83**		**SU**	**1**			8/9/2017 12:12	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 16:29	T
Iron	**650**		**ug/L**	**1**	100	21	8/15/2017 16:29	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/15/2017 16:29	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.62**	**I**	**ug/L**	**1**	0.70	0.046	8/17/2017 12:48	J
Arsenic	**0.96**	**I**	**ug/L**	**1**	1.0	0.077	8/17/2017 12:48	J
Barium	**10**		**ug/L**	**1**	0.60	0.12	8/17/2017 12:48	J
Cadmium	**0.060**	**I**	**ug/L**	**1**	0.50	0.028	8/17/2017 12:48	J
Chromium	**0.56**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 12:48	J
Cobalt	**0.22**	**I**	**ug/L**	**1**	0.50	0.19	8/17/2017 12:48	J
Copper	**0.85**		**ug/L**	**1**	0.70	0.11	8/17/2017 12:48	J
Lead	**0.36**	**I**	**ug/L**	**1**	0.70	0.24	8/17/2017 12:48	J
Nickel	**0.78**	**I**	**ug/L**	**1**	0.80	0.11	8/17/2017 12:48	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/17/2017 12:48	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/17/2017 12:48	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/17/2017 12:48	J
Vanadium	**1.1**	**I**	**ug/L**	**1**	2.0	0.71	8/17/2017 12:48	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	8/21/2017 12:53	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315030** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/09/17 12:12

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	**100**	**B**	**#/100 mL**	**10**	10	10	8/9/2017 15:16	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	8/15/2017 21:11	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 21:11	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 21:11	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 21:11	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 21:11	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 21:11	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 21:11	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 21:11	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:11	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 21:11	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 21:11	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 21:11	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 21:11	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 21:11	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 21:11	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 21:11	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 21:11	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 21:11	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:11	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 21:11	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 21:11	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:11	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 21:11	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 21:11	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 21:11	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 21:11	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 21:11	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 21:11	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 21:11	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 21:11	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 21:11	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 21:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315030** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/09/17 12:12

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	8/15/2017 21:11	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 21:11	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 21:11	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 21:11	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 21:11	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 21:11	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 21:11	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 21:11	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 21:11	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 21:11	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 21:11	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 21:11	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 21:11	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/15/2017 21:11	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 21:11	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/15/2017 21:11	
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**	0.10	0.020	8/15/2017 21:11	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 21:11	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 21:11	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/15/2017 21:11	
Bromofluorobenzene (S)	**102**		**%**	**1**	70-130		8/15/2017 21:11	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**2.4**		**mg/L**	**1**	0.10	0.10	8/30/2017 16:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00066**	**I**	**mg/L**	**1**	0.10	0.00015	8/17/2017 13:49	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**1.8**		**mg/L**	**1**	0.10	0.046	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**120**		**mg/L**	**1**	50	24	8/14/2017 17:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315030** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/09/17 12:12

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	**34**		**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**110**		**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1.25**	12	12	8/15/2017 06:27	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**9.8**		**mg/L**	**1**	1.0	1.0	8/15/2017 08:42	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**1.6**		**mg/L**	**1**	0.20	0.18	8/11/2017 07:46	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**7.0**		**mg/L**	**1**	2.0	2.0	8/10/2017 13:29	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**17**		**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315031** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/09/17 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	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 16:33	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	8/15/2017 16:33	T
Zinc	**12**		**ug/L**	**1**	10	7.4	8/15/2017 16:33	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.046**	**U**	**ug/L**	**1**	0.70	0.046	8/17/2017 12:59	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	8/17/2017 12:59	J
Barium	**0.12**	**U**	**ug/L**	**1**	0.60	0.12	8/17/2017 12:59	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/17/2017 12:59	J
Chromium	**0.11**	**I**	**ug/L**	**1**	2.0	0.11	8/17/2017 12:59	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/17/2017 12:59	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	8/17/2017 12:59	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/17/2017 12:59	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	8/17/2017 12:59	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/17/2017 12:59	J
Silver	**0.081**	**I**	**ug/L**	**1**	0.50	0.027	8/17/2017 12:59	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/17/2017 12:59	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	8/17/2017 12:59	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	8/21/2017 12:53	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**1**	**U**	**#/100 mL**	**1**	1	1	8/9/2017 15:16	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	8/15/2017 19:01	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 19:01	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 19:01	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315031** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/09/17 12:00

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	8/15/2017 19:01	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 19:01	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 19:01	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 19:01	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 19:01	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:01	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:01	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 19:01	T
2-Butanone (MEK)	**1.7**		**ug/L**	**1**	1.0	0.59	8/15/2017 19:01	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 19:01	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 19:01	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 19:01	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 19:01	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:01	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 19:01	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:01	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 19:01	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 19:01	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 19:01	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 19:01	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 19:01	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:01	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 19:01	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 19:01	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 19:01	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 19:01	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:01	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 19:01	T
Methylene Chloride	**2.8**		**ug/L**	**1**	2.0	1.0	8/15/2017 19:01	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:01	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 19:01	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 19:01	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 19:01	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 19:01	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 19:01	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 19:01	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 19:01	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 19:01	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 19:01	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 19:01	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315031** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/09/17 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 19:01	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 19:01	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/15/2017 19:01	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 19:01	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/15/2017 19:01	
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**	0.10	0.020	8/15/2017 19:01	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 19:01	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 19:01	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/15/2017 19:01	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/15/2017 19:01	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.10**	**U**	**mg/L**	**1**	0.10	0.10	8/31/2017 17:35	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00015**	**U**	**mg/L**	**1**	0.10	0.00015	8/17/2017 13:49	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	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**24**	**U**	**mg/L**	**1**	50	24	8/14/2017 17:11	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**2.6**	**U**	**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**12**	**U**	**mg/L**	**1.25**	12	12	8/15/2017 06:27	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315031** Date Received: 08/09/17 14:30 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/09/17 12:00

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	**1.1**	**U**	**mg/L**	**1.111**	1.1	1.1	8/15/2017 08:42	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 08:00	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/10/2017 13:37	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**0.25**	**U**	**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315032** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/10/17 12:01

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	**304**		**umhos/cm**	**1**			8/10/2017 12:01	....
Dissolved Oxygen	**2.69**		**mg/L**	**1**			8/10/2017 12:01	....
ORP-2580BW	**75.1**		**mV**	**1**			8/10/2017 12:01	....
Temperature	**29.07**		**°C**	**1**			8/10/2017 12:01	....
Turbidity	**2.74**		**NTU**	**1**			8/10/2017 12:01	....
pH	**6.42**		**SU**	**1**			8/10/2017 12:01	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:55	T
Iron	**110**		**ug/L**	**1**	100	21	8/15/2017 19:55	T
Zinc	**7.8**	**I**	**ug/L**	**1**	10	7.4	8/15/2017 19:55	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.064**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:41	J
Arsenic	**0.41**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 16:41	J
Barium	**23**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:41	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:41	J
Chromium	**0.62**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:41	J
Cobalt	**0.24**	**I**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:41	J
Copper	**0.77**		**ug/L**	**1**	0.70	0.11	8/23/2017 16:41	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:41	J
Nickel	**0.38**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 16:41	J
Selenium	**0.65**	**I**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:41	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:41	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:41	J
Vanadium	**1.2**	**I**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:41	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	8/21/2017 12:53	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315032** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/10/17 12:01

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	**1**	**U**	**#/100 mL**	**1**	1	1	8/10/2017 18:00	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	8/15/2017 21:38	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 21:38	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 21:38	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 21:38	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 21:38	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 21:38	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 21:38	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 21:38	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:38	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 21:38	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 21:38	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 21:38	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 21:38	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 21:38	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 21:38	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 21:38	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 21:38	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 21:38	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:38	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 21:38	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 21:38	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 21:38	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 21:38	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 21:38	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 21:38	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 21:38	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 21:38	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 21:38	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 21:38	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 21:38	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 21:38	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 21:38	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315032** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/10/17 12:01

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	8/15/2017 21:38	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 21:38	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 21:38	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 21:38	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 21:38	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 21:38	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 21:38	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 21:38	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 21:38	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 21:38	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 21:38	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 21:38	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 21:38	T
1,2-Dichloroethane-d4 (S)	**126**		**%**	**1**	70-128		8/15/2017 21:38	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 21:38	
Bromofluorobenzene (S)	**110**		**%**	**1**	86-123		8/15/2017 21:38	
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**	0.10	0.020	8/15/2017 21:38	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 21:38	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 21:38	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/15/2017 21:38	
Bromofluorobenzene (S)	**103**		**%**	**1**	70-130		8/15/2017 21:38	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.61**		**mg/L**	**1**	0.10	0.10	8/30/2017 16:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000060**	**U**	**mg/L**	**1**	0.10	0.000060	8/17/2017 13:49	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	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**30**	**I**	**mg/L**	**1**	50	24	8/14/2017 17:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315032** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/10/17 12:01

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	**2.7**		**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**100**		**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**180**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	8/16/2017 09:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 12:41	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/11/2017 12:48	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**9.1**		**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315033** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3B2B** Date Collected: 08/10/17 11:35

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	**291**		**umhos/cm**	**1**			8/10/2017 11:35	....
Dissolved Oxygen	**3.74**		**mg/L**	**1**			8/10/2017 11:35	....
ORP-2580BW	**37.1**		**mV**	**1**			8/10/2017 11:35	....
Temperature	**26.96**		**°C**	**1**			8/10/2017 11:35	....
Turbidity	**4.62**		**NTU**	**1**			8/10/2017 11:35	....
pH	**6.7**		**SU**	**1**			8/10/2017 11:35	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 19:58	T
Iron	**470**		**ug/L**	**1**	100	21	8/15/2017 19:58	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/15/2017 19:58	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.079**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:45	J
Arsenic	**0.83**	**I**	**ug/L**	**1**	1.0	0.077	8/23/2017 16:45	J
Barium	**18**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:45	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:45	J
Chromium	**0.73**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:45	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:45	J
Copper	**0.76**		**ug/L**	**1**	0.70	0.11	8/23/2017 16:45	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:45	J
Nickel	**0.45**	**I**	**ug/L**	**1**	0.80	0.11	8/23/2017 16:45	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:45	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:45	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:45	J
Vanadium	**1.7**	**I**	**ug/L**	**1**	2.0	0.71	8/23/2017 16:45	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	8/21/2017 12:53	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315033** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3B2B** Date Collected: 08/10/17 11:35

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	**40**	**B**	**#/100 mL**	**10**	10	10	8/10/2017 18:00	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	8/15/2017 22:04	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 22:04	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 22:04	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 22:04	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 22:04	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 22:04	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 22:04	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 22:04	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:04	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:04	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 22:04	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 22:04	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 22:04	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 22:04	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:04	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 22:04	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:04	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 22:04	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:04	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 22:04	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 22:04	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:04	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 22:04	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 22:04	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:04	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 22:04	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 22:04	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:04	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:04	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:04	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 22:04	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:04	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315033** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3B2B** Date Collected: 08/10/17 11:35

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	8/15/2017 22:04	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 22:04	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 22:04	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 22:04	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 22:04	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 22:04	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:04	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 22:04	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 22:04	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:04	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 22:04	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 22:04	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 22:04	T
1,2-Dichloroethane-d4 (S)	**127**		**%**	**1**	70-128		8/15/2017 22:04	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 22:04	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/15/2017 22:04	
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**	0.10	0.020	8/15/2017 22:04	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 22:04	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		8/15/2017 22:04	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/15/2017 22:04	
Bromofluorobenzene (S)	**102**		**%**	**1**	70-130		8/15/2017 22:04	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**1.3**		**mg/L**	**1**	0.10	0.10	8/30/2017 16:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00029**	**I**	**mg/L**	**1**	0.10	0.000098	8/17/2017 13:49	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.25**		**mg/L**	**1**	0.10	0.046	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**42**	**I**	**mg/L**	**1**	50	24	8/14/2017 17:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315033** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3B2B** Date Collected: 08/10/17 11:35

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	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**96**		**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**4.2**		**mg/L**	**1**	1.0	1.0	8/16/2017 09:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**4.2**		**mg/L**	**1**	0.20	0.18	8/11/2017 12:40	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/11/2017 13:01	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**11**		**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315034** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/10/17 10:55

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	**354**		**umhos/cm**	**1**			8/10/2017 10:55	....
Dissolved Oxygen	**2.47**		**mg/L**	**1**			8/10/2017 10:55	....
ORP-2580BW	**20**		**mV**	**1**			8/10/2017 10:55	....
Temperature	**28.15**		**°C**	**1**			8/10/2017 10:55	....
Turbidity	**6.2**		**NTU**	**1**			8/10/2017 10:55	....
pH	**6.61**		**SU**	**1**			8/10/2017 10:55	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 20:02	T
Iron	**1200**		**ug/L**	**1**	100	21	8/15/2017 20:02	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/15/2017 20:02	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.30**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:49	J
Arsenic	**1.4**		**ug/L**	**1**	1.0	0.077	8/23/2017 16:49	J
Barium	**6.9**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:49	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:49	J
Chromium	**0.69**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:49	J
Cobalt	**0.33**	**I**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:49	J
Copper	**0.38**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 16:49	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:49	J
Nickel	**0.83**		**ug/L**	**1**	0.80	0.11	8/23/2017 16:49	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:49	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:49	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:49	J
Vanadium	**2.1**		**ug/L**	**1**	2.0	0.71	8/23/2017 16:49	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	8/23/2017 13:49	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315034** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/10/17 10:55

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	**30**	**B**	**#/100 mL**	**10**	10	10	8/10/2017 18:00	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	8/15/2017 22:30	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 22:30	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 22:30	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/15/2017 22:30	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 22:30	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 22:30	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 22:30	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 22:30	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:30	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:30	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 22:30	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 22:30	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 22:30	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 22:30	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:30	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 22:30	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:30	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 22:30	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:30	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 22:30	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 22:30	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:30	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 22:30	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 22:30	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:30	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 22:30	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 22:30	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:30	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:30	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:30	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 22:30	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:30	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315034** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/10/17 10:55

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	8/15/2017 22:30	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 22:30	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 22:30	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 22:30	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 22:30	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 22:30	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:30	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 22:30	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 22:30	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:30	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 22:30	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 22:30	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 22:30	T
1,2-Dichloroethane-d4 (S)	**124**		**%**	**1**	70-128		8/15/2017 22:30	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 22:30	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/15/2017 22:30	
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**	0.10	0.020	8/15/2017 22:30	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 22:30	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		8/15/2017 22:30	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/15/2017 22:30	
Bromofluorobenzene (S)	**107**		**%**	**1**	70-130		8/15/2017 22:30	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.72**		**mg/L**	**1**	0.10	0.10	8/30/2017 16:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000087**	**U**	**mg/L**	**1**	0.10	0.000087	8/17/2017 13:49	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.77**		**mg/L**	**1**	0.10	0.046	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**40**	**I**	**mg/L**	**1**	50	24	8/14/2017 17:11	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315034** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/10/17 10:55

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	**1.3**		**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**84**		**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**190**		**mg/L**	**1**	10	10	8/15/2017 14:27	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**2.8**		**mg/L**	**1**	1.0	1.0	8/16/2017 09:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 12:58	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/11/2017 12:52	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**12**		**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315035** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/10/17 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	**0.11**	**U**	**ug/L**	**1**	0.60	0.11	8/15/2017 20:06	T
Iron	**1200**		**ug/L**	**1**	100	21	8/15/2017 20:06	T
Zinc	**7.4**	**U**	**ug/L**	**1**	10	7.4	8/15/2017 20:06	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.32**	**I**	**ug/L**	**1**	0.70	0.046	8/23/2017 16:53	J
Arsenic	**1.4**		**ug/L**	**1**	1.0	0.077	8/23/2017 16:53	J
Barium	**7.2**		**ug/L**	**1**	0.60	0.12	8/23/2017 16:53	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	8/23/2017 16:53	J
Chromium	**0.60**	**I**	**ug/L**	**1**	2.0	0.11	8/23/2017 16:53	J
Cobalt	**0.33**	**I**	**ug/L**	**1**	0.50	0.19	8/23/2017 16:53	J
Copper	**0.39**	**I**	**ug/L**	**1**	0.70	0.11	8/23/2017 16:53	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	8/23/2017 16:53	J
Nickel	**0.84**		**ug/L**	**1**	0.80	0.11	8/23/2017 16:53	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	8/23/2017 16:53	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	8/23/2017 16:53	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	8/23/2017 16:53	J
Vanadium	**2.0**		**ug/L**	**1**	2.0	0.71	8/23/2017 16:53	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	8/23/2017 13:49	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**1**	**U**	**#/100 mL**	**1**	1	1	8/10/2017 18:00	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	8/15/2017 22:56	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/15/2017 22:56	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/15/2017 22:56	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315035** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/10/17 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	8/15/2017 22:56	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/15/2017 22:56	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/15/2017 22:56	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/15/2017 22:56	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/15/2017 22:56	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:56	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:56	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/15/2017 22:56	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/15/2017 22:56	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/15/2017 22:56	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/15/2017 22:56	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:56	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/15/2017 22:56	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:56	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/15/2017 22:56	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:56	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/15/2017 22:56	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/15/2017 22:56	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/15/2017 22:56	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/15/2017 22:56	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/15/2017 22:56	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:56	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/15/2017 22:56	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/15/2017 22:56	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/15/2017 22:56	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/15/2017 22:56	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:56	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/15/2017 22:56	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/15/2017 22:56	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 22:56	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/15/2017 22:56	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/15/2017 22:56	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/15/2017 22:56	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/15/2017 22:56	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/15/2017 22:56	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/15/2017 22:56	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/15/2017 22:56	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/15/2017 22:56	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/15/2017 22:56	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/15/2017 22:56	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315035** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/10/17 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/15/2017 22:56	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/15/2017 22:56	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/15/2017 22:56	
Toluene-d8 (S)	**108**		**%**	**1**	77-119		8/15/2017 22:56	
Bromofluorobenzene (S)	**108**		**%**	**1**	86-123		8/15/2017 22:56	
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**	0.10	0.020	8/15/2017 22:56	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/15/2017 22:56	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/15/2017 22:56	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		8/15/2017 22:56	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/15/2017 22:56	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.93**		**mg/L**	**1**			8/3/2001 17:17	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.0019**	**I**	**mg/L**	**1**	0.10	0.000087	8/17/2017 13:49	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.74**		**mg/L**	**1**	0.10	0.046	8/18/2017 14:26	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**36**	**I**	**mg/L**	**1**	50	24	8/14/2017 17:11	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.3**		**ug/L**	**1**	1.0	1.0	8/21/2017 15:00	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**84**		**mg/L**	**1**	10	2.6	8/18/2017 11:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**190**		**mg/L**	**1**	10	10	8/15/2017 14:27	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315035** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/10/17 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	**3.2**		**mg/L**	**1**	1.0	1.0	8/16/2017 09:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	8/11/2017 13:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	8/11/2017 12:57	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**12**		**mg/L**	**1**	1.0	0.25	8/16/2017 10:00	G

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315036** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/10/17 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	8/21/2017 17:48	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/21/2017 17:48	T
1,1,2,2-Tetrachloroethane	**0.32**	**U**	**ug/L**	**1**	1.0	0.32	8/21/2017 17:48	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/21/2017 17:48	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/21/2017 17:48	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/21/2017 17:48	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/21/2017 17:48	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/21/2017 17:48	T
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:48	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2017 17:48	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/21/2017 17:48	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/21/2017 17:48	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/21/2017 17:48	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/21/2017 17:48	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2017 17:48	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	8/21/2017 17:48	T
Benzene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/21/2017 17:48	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/21/2017 17:48	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:48	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/21/2017 17:48	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	8/21/2017 17:48	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/21/2017 17:48	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/21/2017 17:48	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/21/2017 17:48	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2017 17:48	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/21/2017 17:48	T
Chloromethane	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	8/21/2017 17:48	T
Dibromochloromethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/21/2017 17:48	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/21/2017 17:48	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2017 17:48	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/21/2017 17:48	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/21/2017 17:48	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/21/2017 17:48	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	8/21/2017 17:48	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/21/2017 17:48	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	8/21/2017 17:48	T

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ANALYTICAL RESULTS

Workorder: T1713315 SELF Semi-Annual

Lab ID: **T1713315036** Date Received: 08/10/17 13:31 Matrix: Water

Sample ID: **Travel Blank** Date Collected: 08/10/17 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	8/21/2017 17:48	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/21/2017 17:48	T
Vinyl Chloride	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/21/2017 17:48	T
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	3.0	1.1	8/21/2017 17:48	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/21/2017 17:48	T
cis-1,3-Dichloropropene	**0.17**	**U**	**ug/L**	**1**	1.0	0.17	8/21/2017 17:48	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/21/2017 17:48	T
trans-1,3-Dichloropropylene	**0.29**	**U**	**ug/L**	**1**	1.0	0.29	8/21/2017 17:48	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/21/2017 17:48	T
1,2-Dichloroethane-d4 (S)	**125**		**%**	**1**	70-128		8/21/2017 17:48	
Toluene-d8 (S)	**105**		**%**	**1**	77-119		8/21/2017 17:48	
Bromofluorobenzene (S)	**107**		**%**	**1**	86-123		8/21/2017 17:48	
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**	0.10	0.020	8/21/2017 17:48	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	8/21/2017 17:48	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		8/21/2017 17:48	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/21/2017 17:48	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		8/21/2017 17:48	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1713315 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.
B	Results based upon colony counts outside the acceptable range.
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: T1713315 SELF Semi-Annual

QC Batch: WCAt/10150 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315001

METHOD BLANK: 2429632

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2429633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	1.1	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2429634 2429635 Original: T1713254002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	3.7	1	4.7	4.6	106	97	90-110	2	10	

QC Batch: WCAt/10158 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315002, T1713315003, T1713315004, T1713315005, T1713315006

METHOD BLANK: 2429939

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2429940

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431015 2431016 Original: T1713315002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	1.4	1	2.4	2.4	107	99	90-110	3	10	

QC Batch: WCAt/10173 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315008, T1713315009, T1713315010, T1713315011, T1713315012, T1713315014

METHOD BLANK: 2431079

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2431080

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2432979 2432980 Original: T1713415001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0.035	1	1.1	1.1	106	109	90-110	2	10	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

QC Batch: WCAt/10174 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315013, T1713315015, T1713315016, T1713315017

METHOD BLANK: 2431084

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2431085

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2431086 2431087 Original: T1713315013

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0.075	1	1.0	1.1	104	106	90-110	2	10	

QC Batch: WCAt/10191 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006

METHOD BLANK: 2432060

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: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2432061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	580	87	75-125	

SAMPLE DUPLICATE: 2432063 Original: T1713288004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	12U	12	0	5	

QC Batch: WCAt/10207 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1713315008, T1713315009

METHOD BLANK: 2432731

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

LABORATORY CONTROL SAMPLE: 2432732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	610	92	75-125	

SAMPLE DUPLICATE: 2432733 Original: T1713315008

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	250	250	1	5	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2432734 Original: T1713325001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	140	140	4	5	

QC Batch: DGMt/3476 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/10/2017 11:30

Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315008,

METHOD BLANK: 2433025

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.11	0.11	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: 2433026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	370	93	80-120	
Iron	ug/L	25000	26000	102	80-120	
Sodium	mg/L	50	50	100	80-120	
Zinc	ug/L	400	360	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433027 2433028 Original: S1701221006

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.04	400	380	380	95	96	75-125	1	20	
Iron	ug/L	96	25000	26000	26000	102	103	75-125	1	20	
Sodium	mg/L	4.6	50	56	56	102	102	75-125	1	20	
Zinc	ug/L	8.5	400	370	370	90	89	75-125	0	20	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433029 2433030 Original: T1713315002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.12	400	370	370	92	92	75-125	1	20	
Iron	ug/L	390	25000	25000	26000	99	100	75-125	2	20	
Sodium	mg/L	42	50	89	90	94	95	75-125	1	20	
Zinc	ug/L	6.6	400	350	360	89	90	75-125	1	20	

QC Batch: DGMt/3477 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/10/2017 11:30

Associated Lab Samples: T1713315011, T1713315012, T1713315013, T1713315014, T1713315015, T1713315016, T1713315017

METHOD BLANK: 2433075

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.11	0.11	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: 2433076

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	380	94	80-120	
Iron	ug/L	25000	25000	98	80-120	
Sodium	mg/L	50	49	96	80-120	
Zinc	ug/L	400	380	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433077 2433078 Original: T1713315013

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.04	400	360	370	90	92	75-125	2	20	
Iron	ug/L	5700	25000	31000	30000	98	97	75-125	0	20	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433077 2433078 Original: T1713315013

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Sodium	mg/L	17	50	64	66	94	96	75-125	2	20	
Zinc	ug/L	4.7	400	460	460	116	114	75-125	1	20	

QC Batch: DGMj/3376 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/11/2017 03:30
Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315008,

METHOD BLANK: 2433168

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	0.11	0.11	U
Copper	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.027	0.027	U
Cadmium	ug/L	0.028	0.028	U
Antimony	ug/L	0.046	0.046	U
Barium	ug/L	0.12	0.12	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE: 2433169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	100	100	80-120	
Chromium	ug/L	100	96	96	80-120	
Cobalt	ug/L	100	100	100	80-120	
Nickel	ug/L	100	100	103	80-120	
Copper	ug/L	100	96	96	80-120	
Arsenic	ug/L	100	110	106	80-120	
Selenium	ug/L	100	110	107	80-120	
Silver	ug/L	100	99	99	80-120	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2433169

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	100	100	100	80-120	
Antimony	ug/L	100	94	94	80-120	
Barium	ug/L	100	100	101	80-120	
Thallium	ug/L	100	100	102	80-120	
Lead	ug/L	100	98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433170 2433171 Original: T1713315001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	1.4	100	100	100	99	99	75-125	0	20	
Chromium	ug/L	1.1	100	99	98	98	97	75-125	0	20	
Cobalt	ug/L	0.55	100	96	97	96	97	75-125	1	20	
Nickel	ug/L	1.4	100	97	97	95	95	75-125	0	20	
Copper	ug/L	0.11	100	97	92	97	92	75-125	5	20	
Arsenic	ug/L	1.4	100	100	100	101	101	75-125	0	20	
Selenium	ug/L	0.15	100	56	52	56	52	75-125	7	20	
Silver	ug/L	0.042	100	20	19	20	19	75-125	3	20	
Cadmium	ug/L	0.0021	100	98	100	98	100	75-125	2	20	
Antimony	ug/L	0.011	100	95	97	95	97	75-125	2	20	
Barium	ug/L	1.3	100	100	100	99	100	75-125	1	20	
Thallium	ug/L	0.092	100	100	100	101	102	75-125	1	20	
Lead	ug/L	0.035	100	99	100	99	100	75-125	1	20	

QC Batch: WCAt/10213 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315008,

METHOD BLANK: 2433237

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: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2433238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	49	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433239 2433240 Original: T1713315001

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	49	50	95	94	92	91	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2433241 2433242 Original: T1713315015

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	310	50	340	340	67	60	90-110	1	10	J4

QC Batch: WCAt/10227 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315019

METHOD BLANK: 2434176

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2434177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	0.96	96	90-110	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434178 2434179 Original: F1700597003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0	1	0.88	0.90	88	90	90-110	2	10	J4

QC Batch: WCAt/10231 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315020, T1713315021, T1713315022, T1713315023, T1713315030

METHOD BLANK: 2434237

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2434238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	0.96	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434243 2434244 Original: T1713315020

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0.21	1	1.3	1.3	106	109	90-110	3	10	

QC Batch: WCAt/10232 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315031

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2434247

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2434248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	1.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434249 2434250 Original: F1700590009

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0.47	1	1.5	1.4	98	96	90-110	1	10	

QC Batch: WCAt/10233 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2434253

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate	mg/L	0.18	0.18	U

LABORATORY CONTROL SAMPLE: 2434254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	1.1	109	90-110	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436136 2436137 Original: T1713607001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0	1	1.0	1.0	102	104	90-110	3	10	

QC Batch: WCAt/10240 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Prepared:
Associated Lab Samples: T1713315030, T1713315031

METHOD BLANK: 2434430

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

LABORATORY CONTROL SAMPLE: 2434431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	180	93	84.6-115.4	

SAMPLE DUPLICATE: 2434432 Original: T1713537001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	2000	1500	28	20	

QC Batch: DGMt/3486 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/11/2017 11:15
Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2434780

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.11	0.11	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: 2434781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	360	91	80-120	
Iron	ug/L	25000	25000	99	80-120	
Sodium	mg/L	50	48	96	80-120	
Zinc	ug/L	400	360	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2434782 2434783 Original: T1713315019

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	370	370	92	92	75-125	1	20	
Iron	ug/L	960	25000	26000	26000	99	98	75-125	1	20	
Sodium	mg/L	3.8	50	52	52	96	95	75-125	1	20	
Zinc	ug/L	37	400	380	380	86	85	75-125	1	20	

QC Batch: WCAt/10261 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1713315010, T1713315011, T1713315012, T1713315013, T1713315014, T1713315015, T1713315016, T1713315017

METHOD BLANK: 2435428

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: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2435429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	580	87	75-125	

SAMPLE DUPLICATE: 2435430 Original: F1700590001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	490	480	1	5	

SAMPLE DUPLICATE: 2435431 Original: T1713315012

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	180	180	4	5	

QC Batch: WCAt/10265 Analysis Method: SM 5210B

QC Batch Method: SM 5210B Prepared:

Associated Lab Samples: T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2435535

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

LABORATORY CONTROL SAMPLE: 2435536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	210	104	84.6-115.4	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2435537 Original: T1713439001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	1400	1400	2	20	

QC Batch: DGMt/3494 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/14/2017 10:40

Associated Lab Samples: T1713315030, T1713315031

METHOD BLANK: 2435842

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.11	0.11	U
Iron	ug/L	21	21	U
Zinc	ug/L	7.4	7.4	U

LABORATORY CONTROL SAMPLE: 2435843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	400	100	80-120	
Iron	ug/L	25000	26000	102	80-120	
Zinc	ug/L	400	380	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2435844 2435845 Original: T1713509001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.06	400	390	390	96	98	75-125	2	20	
Iron	ug/L	120	25000	26000	26000	102	103	75-125	1	20	
Zinc	ug/L	17	400	390	390	94	94	75-125	0	20	

QC Batch: DGMt/3496 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 08/14/2017 10:40

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2435906

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	ug/L	0.11	0.11	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: 2435907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	380	96	80-120	
Iron	ug/L	25000	26000	102	80-120	
Sodium	mg/L	50	52	103	80-120	
Zinc	ug/L	400	380	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2435908 2435909 Original: T1713315025

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.08	400	380	370	95	93	75-125	1	20	
Iron	ug/L	12	25000	25000	25000	99	97	75-125	2	20	
Sodium	mg/L	7.7	50	58	57	100	97	75-125	2	20	
Zinc	ug/L	48	400	410	400	91	89	75-125	3	20	

QC Batch: DGMt/3499 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/14/2017 10:15
Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315008, T1713315009

METHOD BLANK: 2436040

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436040

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

LABORATORY CONTROL SAMPLE: 2436041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436042 2436043 Original: T1713315001

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	0.93	0.91	93	91	80-120	2	20	

QC Batch: DGMj/3390 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/15/2017 03:30
Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023

METHOD BLANK: 2436072

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	0.11	0.11	U
Copper	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.027	0.027	U
Cadmium	ug/L	0.028	0.028	U
Antimony	ug/L	0.046	0.046	U
Barium	ug/L	0.12	0.12	U
Thallium	ug/L	0.057	0.057	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436072

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE: 2436073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	93	93	80-120	
Chromium	ug/L	100	93	93	80-120	
Cobalt	ug/L	100	90	90	80-120	
Nickel	ug/L	100	92	92	80-120	
Copper	ug/L	100	97	97	80-120	
Arsenic	ug/L	100	100	104	80-120	
Selenium	ug/L	100	110	114	80-120	
Silver	ug/L	100	88	88	80-120	
Cadmium	ug/L	100	95	95	80-120	
Antimony	ug/L	100	92	92	80-120	
Barium	ug/L	100	100	101	80-120	
Thallium	ug/L	100	95	95	80-120	
Lead	ug/L	100	96	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436074 2436075 Original: T1713315019

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	2.4	100	95	95	93	92	75-125	1	20	
Chromium	ug/L	0.9	100	94	93	93	92	75-125	1	20	
Cobalt	ug/L	0.057	100	88	89	88	89	75-125	2	20	
Nickel	ug/L	0.59	100	89	89	89	88	75-125	0	20	
Copper	ug/L	0.8	100	95	94	94	93	75-125	1	20	
Arsenic	ug/L	3	100	100	100	99	99	75-125	0	20	
Selenium	ug/L	0.61	100	100	110	102	105	75-125	3	20	
Silver	ug/L	0.03	100	88	90	88	90	75-125	2	20	
Cadmium	ug/L	0.024	100	96	95	96	95	75-125	1	20	
Antimony	ug/L	0.1	100	93	94	93	94	75-125	1	20	
Barium	ug/L	7.1	100	110	110	101	104	75-125	3	20	
Thallium	ug/L	0.016	100	99	99	99	99	75-125	1	20	
Lead	ug/L	0.086	100	97	92	97	92	75-125	5	20	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

QC Batch: WCAt/10278 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1713315001, T1713315002, T1713315003

METHOD BLANK: 2436145

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.02	0.02	U

LABORATORY CONTROL SAMPLE: 2436146

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.54	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436147 2436148 Original: T1713209005

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	0.1	1	1.1	1.1	103	103	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436149 2436150 Original: T1713315003

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	1	2.1	2.1	107	108	90-110	0	10	

QC Batch: WCAt/10279 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1713315004, T1713315005, T1713315006, T1713315008, T1713315009, T1713315010, T1713315011, T1713315012,

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436151

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.02	0.02	U

LABORATORY CONTROL SAMPLE: 2436152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.54	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436153 2436154 Original: T1713315014

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	1.9	1	3.0	3.0	103	107	90-110	1	10	

QC Batch: MICt/3267 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: T1713315030, T1713315031

METHOD BLANK: 2436257

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

QC Batch: WCAt/10290 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Prepared:
Associated Lab Samples: T1713315030, T1713315031, T1713315032, T1713315033, T1713315034, T1713315035

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436578

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

LABORATORY CONTROL SAMPLE: 2436579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chemical Oxygen Demand	mg/L	500	480	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436581 2436582 Original: S1701220001

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	640	500	1200	1200	106	106	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436583 2436584 Original: T1713501003

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	37	500	520	520	96	96	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436585 2436586 Original: T1713509003

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	1000	2500	2400	2400	55	56	90-110	0	10	J4

QC Batch: MSVt/3445 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 08/10/2017 16:00

Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315007,

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436624

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)	%	97	70-130	
Toluene-d8 (S)	%	99	70-130	
Bromofluorobenzene (S)	%	99	70-130	

LABORATORY CONTROL SAMPLE: 2436625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.75	94	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.74	93	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
Toluene-d8 (S)	%			98	70-130	
Bromofluorobenzene (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436626 2436627 Original: T1713315001

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	0.85	0.87	106	109	70-130	2	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.87	0.96	109	120	70-130	10	30	
1,2-Dichloroethane-d4 (S)	%	100				109	108	70-130	1		
Toluene-d8 (S)	%	99				102	99	70-130	3		
Bromofluorobenzene (S)	%	103				104	104	70-130	1		

QC Batch: MSVt/3447 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/10/2017 16:00

Associated Lab Samples: T1713315001, T1713315002, T1713315003, T1713315004, T1713315005, T1713315006, T1713315007,

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436629

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.36	0.36	U
Vinyl Chloride	ug/L	0.26	0.26	U
Bromomethane	ug/L	0.81	0.81	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	4.6	4.6	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	0.49	0.49	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.17	0.17	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.66	0.66	U
Bromodichloromethane	ug/L	0.49	0.49	U
cis-1,3-Dichloropropene	ug/L	0.17	0.17	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.29	0.29	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	0.38	0.38	U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52	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	0.61	0.61	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.32	0.32	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

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436629

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	ug/L	1.1	1.1	U
1,2-Dichloroethane-d4 (S)	%	112	70-128	
Toluene-d8 (S)	%	107	77-119	
Bromofluorobenzene (S)	%	104	86-123	

LABORATORY CONTROL SAMPLE: 2436630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	19	96	70-130	
1,1-Dichloroethylene	ug/L	20	20	101	70-130	
cis-1,2-Dichloroethylene	ug/L	20	21	105	70-130	
Chloroform	ug/L	20	20	102	70-130	
Benzene	ug/L	20	21	103	70-130	
Trichloroethene	ug/L	20	21	103	70-130	
Toluene	ug/L	20	20	102	70-130	
Tetrachloroethylene (PCE)	ug/L	20	20	100	70-130	
Chlorobenzene	ug/L	20	21	103	70-130	
Ethylbenzene	ug/L	20	20	102	70-130	
1,2-Dichlorobenzene	ug/L	20	20	98	70-130	
Xylene (Total)	ug/L	60	60	100	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-128	
Toluene-d8 (S)	%			105	77-119	
Bromofluorobenzene (S)	%			101	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436631 2436632 Original: T1713315002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	23	22	116	112	70-130	4	30	
1,1-Dichloroethylene	ug/L	0	20	23	22	117	112	70-130	5	30	
cis-1,2-Dichloroethylene	ug/L	0	20	23	23	117	113	70-130	4	30	
Chloroform	ug/L	0	20	23	22	116	110	70-130	6	30	
Benzene	ug/L	0	20	22	22	112	109	70-130	3	30	
Trichloroethene	ug/L	0	20	22	22	111	108	70-130	3	30	
Toluene	ug/L	0	20	23	22	113	110	70-130	3	30	
Tetrachloroethylene (PCE)	ug/L	0	20	21	21	104	107	70-130	3	30	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436631 2436632 Original: T1713315002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	0	20	22	22	108	109	70-130	0	30	
Ethylbenzene	ug/L	0	20	23	22	115	112	70-130	2	30	
1,2-Dichlorobenzene	ug/L	0	20	20	20	100	98	70-130	2	30	
Xylene (Total)	ug/L	0	60	67	67	112	111	70-130	1	30	
1,2-Dichloroethane-d4 (S)	%	119				122	119	70-128	2		
Toluene-d8 (S)	%	107				108	110	77-119	2		
Bromofluorobenzene (S)	%	111				104	105	86-123	1		

QC Batch: WCAt/10291 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023, T1713315030, T1713315031

METHOD BLANK: 2436649

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

LABORATORY CONTROL SAMPLE: 2436650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	600	91	75-125	

SAMPLE DUPLICATE: 2436651 Original: F1700590007

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	340	350	4	5	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2436652 Original: T1713315023

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	140	130	4	5	

QC Batch: MSVt/3449 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 08/10/2017 18:00

Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023, T1713315024

METHOD BLANK: 2436662

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)	%	108	70-130	
Toluene-d8 (S)	%	101	70-130	
Bromofluorobenzene (S)	%	101	70-130	

LABORATORY CONTROL SAMPLE: 2436663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.93	116	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	1.0	131	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
Toluene-d8 (S)	%			101	70-130	
Bromofluorobenzene (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436664 2436665 Original: T1713315019

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	0.86	0.91	108	114	70-130	6	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	1.0	0.99	126	124	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%	110				112	111	70-130	1		

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436664 2436665 Original: T1713315019

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Toluene-d8 (S)	%	100				102	101	70-130	1		
Bromofluorobenzene (S)	%	104				106	105	70-130	1		

QC Batch: MSVt/3451 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/10/2017 18:00

Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023, T1713315024

METHOD BLANK: 2436666

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.36	0.36	U
Vinyl Chloride	ug/L	0.26	0.26	U
Bromomethane	ug/L	0.81	0.81	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	4.6	4.6	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	0.49	0.49	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.17	0.17	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.66	0.66	U
Bromodichloromethane	ug/L	0.49	0.49	U
cis-1,3-Dichloropropene	ug/L	0.17	0.17	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.29	0.29	U
1,1,2-Trichloroethane	ug/L	0.46	0.46	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2436666

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.38	0.38	U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52	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	0.61	0.61	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.32	0.32	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	1.1	1.1	U
1,2-Dichloroethane-d4 (S)	%	125	70-128	
Toluene-d8 (S)	%	110	77-119	
Bromofluorobenzene (S)	%	105	86-123	

LABORATORY CONTROL SAMPLE: 2436667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	20	99	70-130	
1,1-Dichloroethylene	ug/L	20	24	120	70-130	
cis-1,2-Dichloroethylene	ug/L	20	24	121	70-130	
Chloroform	ug/L	20	23	117	70-130	
Benzene	ug/L	20	23	116	70-130	
Trichloroethene	ug/L	20	24	118	70-130	
Toluene	ug/L	20	23	114	70-130	
Tetrachloroethylene (PCE)	ug/L	20	22	108	70-130	
Chlorobenzene	ug/L	20	22	112	70-130	
Ethylbenzene	ug/L	20	23	117	70-130	
1,2-Dichlorobenzene	ug/L	20	20	102	70-130	
Xylene (Total)	ug/L	60	69	115	70-130	
1,2-Dichloroethane-d4 (S)	%			123	70-128	
Toluene-d8 (S)	%			109	77-119	
Bromofluorobenzene (S)	%			103	86-123	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436668 2436669 Original: T1713365003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	20	21	102	107	70-130	5	30	
1,1-Dichloroethylene	ug/L	0	20	23	24	114	119	70-130	4	30	
cis-1,2-Dichloroethylene	ug/L	0	20	23	24	114	118	70-130	3	30	
Chloroform	ug/L	0	20	22	23	112	116	70-130	4	30	
Benzene	ug/L	0	20	22	23	109	115	70-130	5	30	
Trichloroethene	ug/L	0	20	21	22	107	111	70-130	4	30	
Toluene	ug/L	0	20	22	23	108	114	70-130	5	30	
Tetrachloroethylene (PCE)	ug/L	0	20	20	21	100	105	70-130	5	30	
Chlorobenzene	ug/L	0	20	21	22	104	111	70-130	6	30	
Ethylbenzene	ug/L	0	20	22	23	108	115	70-130	6	30	
1,2-Dichlorobenzene	ug/L	0	20	20	21	99	105	70-130	7	30	
Xylene (Total)	ug/L	0	60	64	69	107	115	70-130	7	30	
1,2-Dichloroethane-d4 (S)	%	123				121	122	70-128	1		
Toluene-d8 (S)	%	109				105	107	77-119	1		
Bromofluorobenzene (S)	%	112				109	109	86-123	0		

QC Batch: WCAt/10293 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Prepared:

Associated Lab Samples: T1713315030, T1713315031

METHOD BLANK: 2436706

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Suspended Solids	mg/L	0.50	0.50	U

LABORATORY CONTROL SAMPLE: 2436707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	200	102	75-125	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2436709 Original: F1700608001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	91	83	9	10	

QC Batch: WCAt/10299 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1713315019, T1713315020, T1713315021, T1713315022, T1713315023

METHOD BLANK: 2436964

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

LABORATORY CONTROL SAMPLE: 2436965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	49	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436966 2436967 Original: T1713558001

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	75	50	120	120	100	89	90-110	4	10	J4

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436976 2436977 Original: T1713315019

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	5.3	50	54	53	97	96	90-110	1	10	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

QC Batch: WCAt/10300 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029

METHOD BLANK: 2436993

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

LABORATORY CONTROL SAMPLE: 2436994

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436995 2436996 Original: T1713315025

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	63	61	100	96	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2436998 2436999 Original: T1713769004

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	1.6	50	50	49	100	99	90-110	2	10	

QC Batch: DGMt/3506 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/15/2017 09:25
Associated Lab Samples: T1713315010, T1713315011, T1713315012, T1713315013, T1713315014, T1713315015, T1713315016, T1713315017,

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2437324

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

LABORATORY CONTROL SAMPLE: 2437325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.94	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2437326 2437327 Original: T1713315010

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	0.85	0.84	85	84	80-120	1	20	

QC Batch: WCAt/10312 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2437328

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

LABORATORY CONTROL SAMPLE: 2437329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	580	88	75-125	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2437330 Original: F1700617001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	420	400	3	5	

SAMPLE DUPLICATE: 2437331 Original: T1713629001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	190	190	0	5	

QC Batch: DGMj/3398 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 08/16/2017 03:30

Associated Lab Samples: T1713315030, T1713315031

METHOD BLANK: 2437393

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	0.11	0.11	U
Copper	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.027	0.027	U
Cadmium	ug/L	0.028	0.028	U
Antimony	ug/L	0.046	0.046	U
Barium	ug/L	0.12	0.12	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE: 2437394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2437394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vanadium	ug/L	100	96	96	80-120	
Chromium	ug/L	100	96	96	80-120	
Cobalt	ug/L	100	95	95	80-120	
Nickel	ug/L	100	95	95	80-120	
Copper	ug/L	100	100	105	80-120	
Arsenic	ug/L	100	100	101	80-120	
Selenium	ug/L	100	100	104	80-120	
Silver	ug/L	100	95	95	80-120	
Cadmium	ug/L	100	100	101	80-120	
Antimony	ug/L	100	94	94	80-120	
Barium	ug/L	100	95	95	80-120	
Thallium	ug/L	100	95	95	80-120	
Lead	ug/L	100	100	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2437395 2437396 Original: T1713315030

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	1.1	100	97	97	96	96	75-125	0	20	
Chromium	ug/L	0.56	100	92	90	91	90	75-125	2	20	
Cobalt	ug/L	0.22	100	89	91	88	91	75-125	3	20	
Nickel	ug/L	0.78	100	87	87	87	87	75-125	0	20	
Copper	ug/L	0.85	100	92	91	91	90	75-125	2	20	
Arsenic	ug/L	0.96	100	100	100	102	103	75-125	1	20	
Selenium	ug/L	0.46	100	110	110	111	110	75-125	1	20	
Silver	ug/L	0.014	100	18	19	18	19	75-125	2	20	
Cadmium	ug/L	0.06	100	94	96	94	96	75-125	2	20	
Antimony	ug/L	0.62	100	97	100	96	99	75-125	3	20	
Barium	ug/L	10	100	110	120	105	110	75-125	5	20	
Thallium	ug/L	0.021	100	99	100	99	101	75-125	1	20	
Lead	ug/L	0.36	100	97	94	97	94	75-125	3	20	

QC Batch: DGMj/3399 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 08/16/2017 03:30

Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315032, T1713315033, T1713315034, T1713315035

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2437398

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	0.11	0.11	U
Copper	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.027	0.027	U
Cadmium	ug/L	0.028	0.028	U
Antimony	ug/L	0.046	0.046	U
Barium	ug/L	0.12	0.12	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE: 2437399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	ug/L	100	100	102	80-120	
Chromium	ug/L	100	97	97	80-120	
Cobalt	ug/L	100	100	101	80-120	
Nickel	ug/L	100	100	104	80-120	
Copper	ug/L	100	97	97	80-120	
Arsenic	ug/L	100	110	109	80-120	
Selenium	ug/L	100	110	111	80-120	
Silver	ug/L	100	100	100	80-120	
Cadmium	ug/L	100	100	101	80-120	
Antimony	ug/L	100	96	96	80-120	
Barium	ug/L	100	100	103	80-120	
Thallium	ug/L	100	100	100	80-120	
Lead	ug/L	100	97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2437400 2437401 Original: T1713315025

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: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2437400 2437401 Original: T1713315025

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vanadium	ug/L	0.037	100	100	100	101	102	75-125	1	20	
Chromium	ug/L	0.038	100	99	99	99	99	75-125	0	20	
Cobalt	ug/L	0.007	100	95	98	95	98	75-125	3	20	
Nickel	ug/L	0.083	100	94	97	94	97	75-125	3	20	
Copper	ug/L	1.8	100	89	96	88	94	75-125	7	20	
Arsenic	ug/L	0.49	100	110	110	107	108	75-125	1	20	
Selenium	ug/L	0	100	110	110	108	110	75-125	1	20	
Silver	ug/L	0.011	100	95	96	95	96	75-125	2	20	
Cadmium	ug/L	0.0041	100	99	99	99	99	75-125	0	20	
Antimony	ug/L	0.017	100	96	96	96	96	75-125	1	20	
Barium	ug/L	3.7	100	110	100	103	101	75-125	2	20	
Thallium	ug/L	0.003	100	100	100	104	104	75-125	0	20	
Lead	ug/L	0.3	100	100	100	101	103	75-125	1	20	

QC Batch: WCAt/10327 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Prepared:

Associated Lab Samples: T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2438184

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Suspended Solids	mg/L	0.50	0.50	U

LABORATORY CONTROL SAMPLE: 2438185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	190	93	75-125	

SAMPLE DUPLICATE: 2438186 Original: T1713588002

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

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

SAMPLE DUPLICATE: 2438186 Original: T1713588002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L		2300	8	10	

QC Batch: MICt/3286 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2438293

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

QC Batch: MSVt/3460 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 08/15/2017 13:00
Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315030, T1713315031, T1713315032,

METHOD BLANK: 2438468

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)	%	109	70-130	
Toluene-d8 (S)	%	100	70-130	
Bromofluorobenzene (S)	%	104	70-130	

LABORATORY CONTROL SAMPLE: 2438469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.77	96	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.64	80	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
Toluene-d8 (S)	%			98	70-130	
Bromofluorobenzene (S)	%			105	70-130	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2438470 2438471 Original: T1713315026

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	0.78	0.78	98	98	70-130	0	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.72	0.72	90	90	70-130	0	30	
1,2-Dichloroethane-d4 (S)	%	111				110	112	70-130	2		
Toluene-d8 (S)	%	100				102	99	70-130	3		
Bromofluorobenzene (S)	%	105				108	103	70-130	4		

QC Batch: MSVt/3462 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/15/2017 13:00

Associated Lab Samples: T1713315025, T1713315026, T1713315027, T1713315029, T1713315030, T1713315031, T1713315032,

METHOD BLANK: 2438483

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.36	0.36	U
Vinyl Chloride	ug/L	0.26	0.26	U
Bromomethane	ug/L	0.81	0.81	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	4.6	4.6	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	0.49	0.49	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.17	0.17	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2438483

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.66	0.66	U
Bromodichloromethane	ug/L	0.49	0.49	U
cis-1,3-Dichloropropene	ug/L	0.17	0.17	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.29	0.29	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	0.38	0.38	U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52	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	0.61	0.61	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.32	0.32	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	1.1	1.1	U
1,2-Dichloroethane-d4 (S)	%	127	70-128	
Toluene-d8 (S)	%	108	77-119	
Bromofluorobenzene (S)	%	112	86-123	

LABORATORY CONTROL SAMPLE: 2438484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	19	97	70-130	
1,1-Dichloroethylene	ug/L	20	22	109	70-130	
cis-1,2-Dichloroethylene	ug/L	20	22	112	70-130	
Chloroform	ug/L	20	22	108	70-130	
Benzene	ug/L	20	21	103	70-130	
Trichloroethene	ug/L	20	22	109	70-130	
Toluene	ug/L	20	21	104	70-130	
Tetrachloroethylene (PCE)	ug/L	20	20	101	70-130	
Chlorobenzene	ug/L	20	20	100	70-130	
Ethylbenzene	ug/L	20	21	107	70-130	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2438484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	19	97	70-130	
Xylene (Total)	ug/L	60	64	106	70-130	
1,2-Dichloroethane-d4 (S)	%			123	70-128	
Toluene-d8 (S)	%			108	77-119	
Bromofluorobenzene (S)	%			105	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2438485 2438486 Original: T1713315029

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	18	15	88	76	70-130	15	30	
1,1-Dichloroethylene	ug/L	0	20	20	17	98	86	70-130	13	30	
cis-1,2-Dichloroethylene	ug/L	0	20	21	18	104	92	70-130	12	30	
Chloroform	ug/L	0	20	20	17	102	87	70-130	16	30	
Benzene	ug/L	0	20	21	18	106	92	70-130	14	30	
Trichloroethene	ug/L	0	20	20	17	99	87	70-130	13	30	
Toluene	ug/L	0	20	20	18	101	89	70-130	13	30	
Tetrachloroethylene (PCE)	ug/L	0	20	19	17	97	87	70-130	11	30	
Chlorobenzene	ug/L	0	20	21	18	103	91	70-130	12	30	
Ethylbenzene	ug/L	0	20	21	18	103	89	70-130	14	30	
1,2-Dichlorobenzene	ug/L	0	20	19	16	93	82	70-130	12	30	
Xylene (Total)	ug/L	0	60	60	53	100	88	70-130	13	30	
1,2-Dichloroethane-d4 (S)	%	125				99	100	70-128	1		
Toluene-d8 (S)	%	110				102	103	77-119	1		
Bromofluorobenzene (S)	%	110				102	100	86-123	1		

QC Batch: WCAg/5663 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1713315030, T1713315031, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2440114

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

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2440210

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

LABORATORY CONTROL SAMPLE: 2440104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Organic Carbon	mg/L	10	9.5	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2440107 2440108 Original: J1708051004

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	7.3	26	32	32	96	95	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2440109 2440110 Original: T1713315030

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	17	26	43	43	101	101	90-110	0	10	

QC Batch: WCAt/10371 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1713315015, T1713315016

METHOD BLANK: 2440398

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.02	0.02	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2440399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.55	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2440400 2440401 Original: T1713539004

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	0.01	1	1.1	1.0	105	105	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2440402 2440403 Original: T1713315016

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	14	1	12	12	-246	-252	90-110	0	10	J4

QC Batch: WCAt/10372 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1713315017, T1713315019, T1713315020, T1713315021, T1713315022, T1713315025, T1713315026,

METHOD BLANK: 2440408

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.02	0.02	U

LABORATORY CONTROL SAMPLE: 2440409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.55	109	90-110	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2440410 2440411 Original: T1713315029

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	1.4	1	2.4	2.3	97	96	90-110	0	10	

QC Batch: WCAt/10390 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 08/17/2017 17:17
Associated Lab Samples: T1713315030, T1713315031, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2441449

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

LABORATORY CONTROL SAMPLE: 2441451

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: 2441453 2441455 Original: T1713315035

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	0.74	1	1.7	1.7	101	95	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2441457 2441459 Original: T1713764002

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	1.8	1	2.6	2.5	83	74	80-120	4	20	J4

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

QC Batch: WCAt/10391 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Prepared:
Associated Lab Samples: T1713315030, T1713315031, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2441499

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

LABORATORY CONTROL SAMPLE: 2441500

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: 2441501 2441502 Original: T1713315030

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	110	200	320	310	104	102	90-110	1	10	

QC Batch: WCAt/10416 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1713315023

METHOD BLANK: 2442836

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.02	0.02	U

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2442837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.55	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2442838 2442839 Original: T1713590002

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	1	1.1	1.0	106	103	90-110	3	10	

QC Batch: DGMt/3539 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/21/2017 10:00
Associated Lab Samples: T1713315022, T1713315023, T1713315025, T1713315026, T1713315027, T1713315029, T1713315030,

METHOD BLANK: 2443052

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

LABORATORY CONTROL SAMPLE: 2443053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.90	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443054 2443055 Original: T1713315030

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	0.94	0.92	94	92	80-120	2	20	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

QC Batch: WCAg/5696 Analysis Method: SM 10200 H
QC Batch Method: SM 10200 H Prepared:
Associated Lab Samples: T1713315030, T1713315031, T1713315032, T1713315033, T1713315034, T1713315035

METHOD BLANK: 2443352

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chlorophyll A	ug/L	1.0	1.0	U

METHOD BLANK: 2443357

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chlorophyll A	ug/L	1.0	1.0	U

SAMPLE DUPLICATE: 2443354 Original: J1708051001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	ug/L	8.0	8.0	200	20	

SAMPLE DUPLICATE: 2443355 Original: T1713315030

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	ug/L	34	19	200	20	

SAMPLE DUPLICATE: 2443356 Original: G1707072001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	ug/L	5.3	5.3	0	20	

QC Batch: MSVt/3492 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 08/21/2017 11:00

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

Associated Lab Samples: T1713315028, T1713315036

METHOD BLANK: 2443819

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)	%	96	70-130	
Bromofluorobenzene (S)	%	102	70-130	

LABORATORY CONTROL SAMPLE: 2443820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.83	104	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.75	94	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
Toluene-d8 (S)	%			94	70-130	
Bromofluorobenzene (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443821 2443822 Original: S1701280004

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	0.82	0.73	103	91	70-130	12	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.85	0.74	106	93	70-130	14	30	
1,2-Dichloroethane-d4 (S)	%	107				110	107	70-130	3		
Toluene-d8 (S)	%	96				98	98	70-130	0		
Bromofluorobenzene (S)	%	103				103	107	70-130	3		

QC Batch: MSVt/3494 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030B Prepared: 08/21/2017 11:00
Associated Lab Samples: T1713315028, T1713315036

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2443823

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.36	0.36	U
Vinyl Chloride	ug/L	0.26	0.26	U
Bromomethane	ug/L	0.81	0.81	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	4.6	4.6	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	0.49	0.49	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.17	0.17	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.66	0.66	U
Bromodichloromethane	ug/L	0.49	0.49	U
cis-1,3-Dichloropropene	ug/L	0.17	0.17	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.29	0.29	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	0.38	0.38	U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52	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	0.61	0.61	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.32	0.32	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

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

METHOD BLANK: 2443823

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	ug/L	1.1	1.1	U
1,2-Dichloroethane-d4 (S)	%	122	70-128	
Toluene-d8 (S)	%	104	77-119	
Bromofluorobenzene (S)	%	107	86-123	

LABORATORY CONTROL SAMPLE: 2443824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	20	100	70-130	
1,1-Dichloroethylene	ug/L	20	22	109	70-130	
cis-1,2-Dichloroethylene	ug/L	20	23	116	70-130	
Chloroform	ug/L	20	22	111	70-130	
Benzene	ug/L	20	21	106	70-130	
Trichloroethene	ug/L	20	22	112	70-130	
Toluene	ug/L	20	22	109	70-130	
Tetrachloroethylene (PCE)	ug/L	20	21	104	70-130	
Chlorobenzene	ug/L	20	21	103	70-130	
Ethylbenzene	ug/L	20	22	110	70-130	
1,2-Dichlorobenzene	ug/L	20	18	91	70-130	
Xylene (Total)	ug/L	60	66	109	70-130	
1,2-Dichloroethane-d4 (S)	%			117	70-128	
Toluene-d8 (S)	%			106	77-119	
Bromofluorobenzene (S)	%			100	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443827 2443828 Original: T1714248001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES											
Vinyl Chloride	ug/L	0	20	22	20	111	98	70-130	12	30	
1,1-Dichloroethylene	ug/L	0	20	22	20	112	98	70-130	13	30	
cis-1,2-Dichloroethylene	ug/L	0	20	23	20	115	100	70-130	15	30	
Chloroform	ug/L	0	20	22	19	111	97	70-130	14	30	
Benzene	ug/L	0	20	21	19	105	93	70-130	12	30	
Trichloroethene	ug/L	0	20	21	19	106	94	70-130	11	30	
Toluene	ug/L	0.71	20	21	19	103	93	70-130	10	30	
Tetrachloroethylene (PCE)	ug/L	0	20	19	17	97	86	70-130	12	30	

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QUALITY CONTROL DATA

Workorder: T1713315 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2443827 2443828 Original: T1714248001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chlorobenzene	ug/L	0	20	19	18	97	88	70-130	9	30	
Ethylbenzene	ug/L	8.5	20	30	26	107	88	70-130	13	30	
1,2-Dichlorobenzene	ug/L	0	20	17	16	86	82	70-130	4	30	
Xylene (Total)	ug/L	65	60	130	110	107	79	70-130	14	30	
1,2-Dichloroethane-d4 (S)	%	123				123	119	70-128	3		
Toluene-d8 (S)	%	106				106	105	77-119	1		
Bromofluorobenzene (S)	%	109				101	110	86-123	8		

QC Batch: DGMt/3550 Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A Prepared: 08/22/2017 09:30

Associated Lab Samples: T1713315034, T1713315035

METHOD BLANK: 2445821

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

LABORATORY CONTROL SAMPLE: 2445822

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: 2445823 2445824 Original: T1713315034

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.015	1	0.94	0.92	94	92	80-120	3	20	

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QUALITY CONTROL DATA QUALIFIERS

Workorder: T1713315 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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315001	TH-28A			SM 4500NO3-F	WCAt/10150
T1713315002	TH-57			SM 4500NO3-F	WCAt/10158
T1713315003	TH-58			SM 4500NO3-F	WCAt/10158
T1713315004	TH-40			SM 4500NO3-F	WCAt/10158
T1713315005	TH-78			SM 4500NO3-F	WCAt/10158
T1713315006	TH-22A			SM 4500NO3-F	WCAt/10158
T1713315008	TH-19			SM 4500NO3-F	WCAt/10173
T1713315009	TH-36A			SM 4500NO3-F	WCAt/10173
T1713315010	TH-64			SM 4500NO3-F	WCAt/10173
T1713315011	TH-65			SM 4500NO3-F	WCAt/10173
T1713315012	TH-68			SM 4500NO3-F	WCAt/10173
T1713315014	TH-71A			SM 4500NO3-F	WCAt/10173
T1713315013	TH-69A			SM 4500NO3-F	WCAt/10174
T1713315015	TH-72			SM 4500NO3-F	WCAt/10174
T1713315016	Duplicate			SM 4500NO3-F	WCAt/10174
T1713315017	Field Blank			SM 4500NO3-F	WCAt/10174
T1713315001	TH-28A			SM 2540 C	WCAt/10191
T1713315002	TH-57			SM 2540 C	WCAt/10191
T1713315003	TH-58			SM 2540 C	WCAt/10191
T1713315004	TH-40			SM 2540 C	WCAt/10191
T1713315005	TH-78			SM 2540 C	WCAt/10191
T1713315006	TH-22A			SM 2540 C	WCAt/10191
T1713315008	TH-19			SM 2540 C	WCAt/10207
T1713315009	TH-36A			SM 2540 C	WCAt/10207
T1713315001	TH-28A	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315002	TH-57	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315003	TH-58	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315004	TH-40	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315005	TH-78	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315006	TH-22A	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315008	TH-19	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315009	TH-36A	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315010	TH-64	SW-846 3010A	DGMt/3476	SW-846 6010	ICPt/2522
T1713315011	TH-65	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315012	TH-68	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315013	TH-69A	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315014	TH-71A	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315015	TH-72	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315016	Duplicate	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315017	Field Blank	SW-846 3010A	DGMt/3477	SW-846 6010	ICPt/2523
T1713315001	TH-28A	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315002	TH-57	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315003	TH-58	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315004	TH-40	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315005	TH-78	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315006	TH-22A	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315008	TH-19	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315009	TH-36A	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315010	TH-64	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315011	TH-65	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315012	TH-68	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315013	TH-69A	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315014	TH-71A	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315015	TH-72	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315016	Duplicate	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315017	Field Blank	SW-846 3010A	DGMj/3376	SW-846 6020	ICMj/1654
T1713315001	TH-28A			SM 4500-Cl-E	WCAt/10213
T1713315002	TH-57			SM 4500-Cl-E	WCAt/10213

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315003	TH-58			SM 4500-Cl-E	WCAt/10213
T1713315004	TH-40			SM 4500-Cl-E	WCAt/10213
T1713315005	TH-78			SM 4500-Cl-E	WCAt/10213
T1713315006	TH-22A			SM 4500-Cl-E	WCAt/10213
T1713315008	TH-19			SM 4500-Cl-E	WCAt/10213
T1713315009	TH-36A			SM 4500-Cl-E	WCAt/10213
T1713315010	TH-64			SM 4500-Cl-E	WCAt/10213
T1713315011	TH-65			SM 4500-Cl-E	WCAt/10213
T1713315012	TH-68			SM 4500-Cl-E	WCAt/10213
T1713315013	TH-69A			SM 4500-Cl-E	WCAt/10213
T1713315014	TH-71A			SM 4500-Cl-E	WCAt/10213
T1713315015	TH-72			SM 4500-Cl-E	WCAt/10213
T1713315016	Duplicate			SM 4500-Cl-E	WCAt/10213
T1713315017	Field Blank			SM 4500-Cl-E	WCAt/10213
T1713315019	TH-61			SM 4500NO3-F	WCAt/10227
T1713315020	TH-61A			SM 4500NO3-F	WCAt/10231
T1713315021	TH-66			SM 4500NO3-F	WCAt/10231
T1713315022	TH-66A			SM 4500NO3-F	WCAt/10231
T1713315023	TH-67			SM 4500NO3-F	WCAt/10231
T1713315030	Mine Cut 1D			SM 4500NO3-F	WCAt/10231
T1713315031	Field Blank			SM 4500NO3-F	WCAt/10232
T1713315025	Keene Residence			SM 4500NO3-F	WCAt/10233
T1713315026	Holland Residence			SM 4500NO3-F	WCAt/10233
T1713315027	Barnes Residence			SM 4500NO3-F	WCAt/10233
T1713315029	TH-70A			SM 4500NO3-F	WCAt/10233
T1713315032	Stream 3A			SM 4500NO3-F	WCAt/10233
T1713315033	Stream 3B2B			SM 4500NO3-F	WCAt/10233
T1713315034	Stream 3C2			SM 4500NO3-F	WCAt/10233
T1713315035	Duplicate			SM 4500NO3-F	WCAt/10233

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315030	Mine Cut 1D			SM 5210B	WCAt/10240
T1713315031	Field Blank			SM 5210B	WCAt/10240
T1713315019	TH-61	SW-846 3010A	DGMt/3486	SW-846 6010	ICPt/2526
T1713315020	TH-61A	SW-846 3010A	DGMt/3486	SW-846 6010	ICPt/2526
T1713315021	TH-66	SW-846 3010A	DGMt/3486	SW-846 6010	ICPt/2526
T1713315022	TH-66A	SW-846 3010A	DGMt/3486	SW-846 6010	ICPt/2526
T1713315023	TH-67	SW-846 3010A	DGMt/3486	SW-846 6010	ICPt/2526
T1713315010	TH-64			SM 2540 C	WCAt/10261
T1713315011	TH-65			SM 2540 C	WCAt/10261
T1713315012	TH-68			SM 2540 C	WCAt/10261
T1713315013	TH-69A			SM 2540 C	WCAt/10261
T1713315014	TH-71A			SM 2540 C	WCAt/10261
T1713315015	TH-72			SM 2540 C	WCAt/10261
T1713315016	Duplicate			SM 2540 C	WCAt/10261
T1713315017	Field Blank			SM 2540 C	WCAt/10261
T1713315032	Stream 3A			SM 5210B	WCAt/10265
T1713315033	Stream 3B2B			SM 5210B	WCAt/10265
T1713315034	Stream 3C2			SM 5210B	WCAt/10265
T1713315035	Duplicate			SM 5210B	WCAt/10265
T1713315030	Mine Cut 1D	SW-846 3010A	DGMt/3494	SW-846 6010	ICPt/2533
T1713315031	Field Blank	SW-846 3010A	DGMt/3494	SW-846 6010	ICPt/2533
T1713315025	Keene Residence	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315026	Holland Residence	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315027	Barnes Residence	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315029	TH-70A	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315032	Stream 3A	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315033	Stream 3B2B	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315034	Stream 3C2	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315035	Duplicate	SW-846 3010A	DGMt/3496	SW-846 6010	ICPt/2535
T1713315001	TH-28A	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315002	TH-57	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315003	TH-58	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315004	TH-40	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315005	TH-78	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315006	TH-22A	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315008	TH-19	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315009	TH-36A	SW-846 7470A	DGMt/3499	SW-846 7470A	CVAt/1660
T1713315019	TH-61	SW-846 3010A	DGMj/3390	SW-846 6020	ICMj/1660
T1713315020	TH-61A	SW-846 3010A	DGMj/3390	SW-846 6020	ICMj/1660
T1713315021	TH-66	SW-846 3010A	DGMj/3390	SW-846 6020	ICMj/1660
T1713315022	TH-66A	SW-846 3010A	DGMj/3390	SW-846 6020	ICMj/1660
T1713315023	TH-67	SW-846 3010A	DGMj/3390	SW-846 6020	ICMj/1660
T1713315001	TH-28A			EPA 350.1	WCAt/10278
T1713315002	TH-57			EPA 350.1	WCAt/10278
T1713315003	TH-58			EPA 350.1	WCAt/10278
T1713315004	TH-40			EPA 350.1	WCAt/10279
T1713315005	TH-78			EPA 350.1	WCAt/10279
T1713315006	TH-22A			EPA 350.1	WCAt/10279
T1713315008	TH-19			EPA 350.1	WCAt/10279
T1713315009	TH-36A			EPA 350.1	WCAt/10279
T1713315010	TH-64			EPA 350.1	WCAt/10279
T1713315011	TH-65			EPA 350.1	WCAt/10279
T1713315012	TH-68			EPA 350.1	WCAt/10279
T1713315013	TH-69A			EPA 350.1	WCAt/10279
T1713315014	TH-71A			EPA 350.1	WCAt/10279
T1713315030	Mine Cut 1D			SM 9222D	MICt/3267

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315031	Field Blank			SM 9222D	MICt/3267
T1713315030	Mine Cut 1D			EPA 410.4	WCAt/10290
T1713315031	Field Blank			EPA 410.4	WCAt/10290
T1713315032	Stream 3A			EPA 410.4	WCAt/10290
T1713315033	Stream 3B2B			EPA 410.4	WCAt/10290
T1713315034	Stream 3C2			EPA 410.4	WCAt/10290
T1713315035	Duplicate			EPA 410.4	WCAt/10290
T1713315001	TH-28A	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315002	TH-57	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315003	TH-58	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315004	TH-40	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315005	TH-78	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315006	TH-22A	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315007	Travel Blank	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315008	TH-19	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315009	TH-36A	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315010	TH-64	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315011	TH-65	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315012	TH-68	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315013	TH-69A	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315014	TH-71A	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315015	TH-72	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315016	Duplicate	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315017	Field Blank	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315018	Travel Blank	SW-846 5030B	MSVt/3445	SW-846 8260B (SIM)	MSVt/3446
T1713315001	TH-28A	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315002	TH-57	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315003	TH-58	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315004	TH-40	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315005	TH-78	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315006	TH-22A	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315007	Travel Blank	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315008	TH-19	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315009	TH-36A	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315010	TH-64	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315011	TH-65	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315012	TH-68	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315013	TH-69A	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315014	TH-71A	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315015	TH-72	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315016	Duplicate	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315017	Field Blank	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315018	Travel Blank	SW-846 5030B	MSVt/3447	SW-846 8260B	MSVt/3448
T1713315019	TH-61			SM 2540 C	WCAt/10291
T1713315020	TH-61A			SM 2540 C	WCAt/10291
T1713315021	TH-66			SM 2540 C	WCAt/10291
T1713315022	TH-66A			SM 2540 C	WCAt/10291
T1713315023	TH-67			SM 2540 C	WCAt/10291
T1713315030	Mine Cut 1D			SM 2540 C	WCAt/10291
T1713315031	Field Blank			SM 2540 C	WCAt/10291
T1713315019	TH-61	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315020	TH-61A	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315021	TH-66	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315022	TH-66A	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315023	TH-67	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315024	Travel Blank	SW-846 5030B	MSVt/3449	SW-846 8260B (SIM)	MSVt/3450
T1713315019	TH-61	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452
T1713315020	TH-61A	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452
T1713315021	TH-66	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452
T1713315022	TH-66A	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452
T1713315023	TH-67	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452
T1713315024	Travel Blank	SW-846 5030B	MSVt/3451	SW-846 8260B	MSVt/3452

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315030	Mine Cut 1D			SM 2540D	WCAt/10293
T1713315031	Field Blank			SM 2540D	WCAt/10293
T1713315019	TH-61			SM 4500-Cl-E	WCAt/10299
T1713315020	TH-61A			SM 4500-Cl-E	WCAt/10299
T1713315021	TH-66			SM 4500-Cl-E	WCAt/10299
T1713315022	TH-66A			SM 4500-Cl-E	WCAt/10299
T1713315023	TH-67			SM 4500-Cl-E	WCAt/10299
T1713315025	Keene Residence			SM 4500-Cl-E	WCAt/10300
T1713315026	Holland Residence			SM 4500-Cl-E	WCAt/10300
T1713315027	Barnes Residence			SM 4500-Cl-E	WCAt/10300
T1713315029	TH-70A			SM 4500-Cl-E	WCAt/10300
T1713315010	TH-64	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315011	TH-65	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315012	TH-68	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315013	TH-69A	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315014	TH-71A	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315015	TH-72	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315016	Duplicate	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315017	Field Blank	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315019	TH-61	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315020	TH-61A	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315021	TH-66	SW-846 7470A	DGMt/3506	SW-846 7470A	CVAt/1662
T1713315025	Keene Residence			SM 2540 C	WCAt/10312
T1713315026	Holland Residence			SM 2540 C	WCAt/10312
T1713315027	Barnes Residence			SM 2540 C	WCAt/10312
T1713315029	TH-70A			SM 2540 C	WCAt/10312
T1713315032	Stream 3A			SM 2540 C	WCAt/10312
T1713315033	Stream 3B2B			SM 2540 C	WCAt/10312

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315034	Stream 3C2			SM 2540 C	WCAt/10312
T1713315035	Duplicate			SM 2540 C	WCAt/10312
T1713315030	Mine Cut 1D	SW-846 3010A	DGMj/3398	SW-846 6020	ICMj/1663
T1713315031	Field Blank	SW-846 3010A	DGMj/3398	SW-846 6020	ICMj/1663
T1713315025	Keene Residence	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315026	Holland Residence	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315027	Barnes Residence	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315029	TH-70A	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315032	Stream 3A	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315033	Stream 3B2B	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315034	Stream 3C2	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315035	Duplicate	SW-846 3010A	DGMj/3399	SW-846 6020	ICMj/1662
T1713315032	Stream 3A			SM 2540D	WCAt/10327
T1713315033	Stream 3B2B			SM 2540D	WCAt/10327
T1713315034	Stream 3C2			SM 2540D	WCAt/10327
T1713315035	Duplicate			SM 2540D	WCAt/10327
T1713315032	Stream 3A			SM 9222D	MICt/3286
T1713315033	Stream 3B2B			SM 9222D	MICt/3286
T1713315034	Stream 3C2			SM 9222D	MICt/3286
T1713315035	Duplicate			SM 9222D	MICt/3286
T1713315025	Keene Residence	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315026	Holland Residence	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315027	Barnes Residence	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315029	TH-70A	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315030	Mine Cut 1D	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315031	Field Blank	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315032	Stream 3A	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315033	Stream 3B2B	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315034	Stream 3C2	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315035	Duplicate	SW-846 5030B	MSVt/3460	SW-846 8260B (SIM)	MSVt/3461
T1713315025	Keene Residence	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315026	Holland Residence	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315027	Barnes Residence	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315029	TH-70A	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315030	Mine Cut 1D	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315031	Field Blank	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315032	Stream 3A	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315033	Stream 3B2B	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315034	Stream 3C2	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315035	Duplicate	SW-846 5030B	MSVt/3462	SW-846 8260B	MSVt/3463
T1713315030	Mine Cut 1D			SM 5310B	WCAg/5663
T1713315031	Field Blank			SM 5310B	WCAg/5663
T1713315032	Stream 3A			SM 5310B	WCAg/5663
T1713315033	Stream 3B2B			SM 5310B	WCAg/5663
T1713315034	Stream 3C2			SM 5310B	WCAg/5663
T1713315035	Duplicate			SM 5310B	WCAg/5663
T1713315015	TH-72			EPA 350.1	WCAt/10371
T1713315016	Duplicate			EPA 350.1	WCAt/10371
T1713315017	Field Blank			EPA 350.1	WCAt/10372
T1713315019	TH-61			EPA 350.1	WCAt/10372
T1713315020	TH-61A			EPA 350.1	WCAt/10372
T1713315021	TH-66			EPA 350.1	WCAt/10372
T1713315022	TH-66A			EPA 350.1	WCAt/10372
T1713315025	Keene Residence			EPA 350.1	WCAt/10372
T1713315026	Holland Residence			EPA 350.1	WCAt/10372
T1713315027	Barnes Residence			EPA 350.1	WCAt/10372
T1713315029	TH-70A			EPA 350.1	WCAt/10372

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315030	Mine Cut 1D	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315031	Field Blank	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315032	Stream 3A	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315033	Stream 3B2B	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315034	Stream 3C2	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315035	Duplicate	Copper Sulfate Digestion	WCAt/10390	EPA 365.4	WCAt/10412
T1713315030	Mine Cut 1D			SM 2340C	WCAt/10391
T1713315031	Field Blank			SM 2340C	WCAt/10391
T1713315032	Stream 3A			SM 2340C	WCAt/10391
T1713315033	Stream 3B2B			SM 2340C	WCAt/10391
T1713315034	Stream 3C2			SM 2340C	WCAt/10391
T1713315035	Duplicate			SM 2340C	WCAt/10391
T1713315030	Mine Cut 1D			DEP SOP 10/03/83	WCAt/10406
T1713315031	Field Blank			DEP SOP 10/03/83	WCAt/10406
T1713315032	Stream 3A			DEP SOP 10/03/83	WCAt/10406
T1713315033	Stream 3B2B			DEP SOP 10/03/83	WCAt/10406
T1713315034	Stream 3C2			DEP SOP 10/03/83	WCAt/10406
T1713315035	Duplicate			DEP SOP 10/03/83	WCAt/10406
T1713315023	TH-67			EPA 350.1	WCAt/10416
T1713315022	TH-66A	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315023	TH-67	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315025	Keene Residence	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315026	Holland Residence	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315027	Barnes Residence	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315029	TH-70A	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315030	Mine Cut 1D	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315031	Field Blank	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315032	Stream 3A	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670
T1713315033	Stream 3B2B	SW-846 7470A	DGMt/3539	SW-846 7470A	CVAt/1670

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315030	Mine Cut 1D			SM 10200 H	WCAg/5696
T1713315031	Field Blank			SM 10200 H	WCAg/5696
T1713315032	Stream 3A			SM 10200 H	WCAg/5696
T1713315033	Stream 3B2B			SM 10200 H	WCAg/5696
T1713315034	Stream 3C2			SM 10200 H	WCAg/5696
T1713315035	Duplicate			SM 10200 H	WCAg/5696
T1713315028	Travel Blank	SW-846 5030B	MSVt/3492	SW-846 8260B (SIM)	MSVt/3493
T1713315036	Travel Blank	SW-846 5030B	MSVt/3492	SW-846 8260B (SIM)	MSVt/3493
T1713315028	Travel Blank	SW-846 5030B	MSVt/3494	SW-846 8260B	MSVt/3495
T1713315036	Travel Blank	SW-846 5030B	MSVt/3494	SW-846 8260B	MSVt/3495
T1713315034	Stream 3C2	SW-846 7470A	DGMt/3550	SW-846 7470A	CVAt/1674
T1713315035	Duplicate	SW-846 7470A	DGMt/3550	SW-846 7470A	CVAt/1674
T1713315001	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315002	TH-57	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315003	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315004	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315005	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315006	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315008	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315009	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315010	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315011	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315012	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315013	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315014	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315015	TH-72	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315019	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315020	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315021	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1713315 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1713315022	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315023	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315025	Keene Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315026	Holland Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315027	Barnes Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315029	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315030	Mine Cut 1D	Calculation	CLCt/	Calculation	CLCt/
T1713315030	Mine Cut 1D	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315031	Field Blank	Calculation	CLCt/	Calculation	CLCt/
T1713315032	Stream 3A	Calculation	CLCt/	Calculation	CLCt/
T1713315032	Stream 3A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315033	Stream 3B2B	Calculation	CLCt/	Calculation	CLCt/
T1713315033	Stream 3B2B	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315034	Stream 3C2	Calculation	CLCt/	Calculation	CLCt/
T1713315034	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T1713315035	Duplicate	Calculation	CLCt/	Calculation	CLCt/

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T7/3315

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: J. FULLER / A. LAFON
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	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
TH-28A	TH-28A	G	8/7/17	935	GW			X	X	X	X	X	X					001
TH-57	TH-57	G	↓	904	GW			X	X	X	X	X	X					002
TH-58	TH-58	G	↓	1021	GW			X	X	X	X	X	X					003
TH-40	TH-40	G	↓	837	GW			X	X	X	X	X	X					004
TH-78	TH-78	G	↓	1134	GW			X	X	X	X	X	X					005
TH-22A	TH-22A	G	↓	1246	GW			X	X	X	X	X	X					006
TRAVEL BLANK	TRAVEL BLANK	N/A	N/A	N/A	DI			X										007

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 4.0 (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	Anthony Lafon	8/7/17	1400	[signature]	8-7-17	1400
2						
3						
4						

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

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

TI 713394715 gs

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☐ **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
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Tampa, Florida 33619
Phone: (813) 663-3222
FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: J. FULLER / A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 1 of: 2

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	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
TH-19	TH-19	G	8/8/17	1004	GW			X	X	X	X	X	X				W8	~~001~~
TH-36A	TH-36A	G		1034	GW			X	X	X	X	X	X				W9	~~002~~
TH-64	TH-64	G		1316	GW			X	X	X	X	X	X				010	~~003~~
TH-65	TH-65	G		1344	GW			X	X	X	X	X	X				011	~~004~~
TH-68	TH-68	G		1222	GW			X	X	X	X	X	X				012	~~005~~
TH-69A	TH-69A	G		857	GW			X	X	X	X	X	X				013	~~006~~
TH-71A	TH-71A	G		929	GW			X	X	X	X	X	X				014	~~007~~
TH-72	TH-72	G		812	GW			X	X	X	X	X	X				015	~~008~~
DUPLICATE	DUPLICATE	G		N/A	GW			X	X	X	X	X	X				016	~~009~~
FIELD BLANK	FIELD BLANK	G		735	DI			X	X	X	X	X	X				017	~~010~~

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 4C (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	Anthony [illegible]	8/8/17	1430	[illegible]	8/8/17	1430
2						
3						
4						

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

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

T171334915 gs

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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
Address: 332 North Falkenburg Rd.
Tampa, Florida 33619
Phone: (813) 663-3222
FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: J. FULLER/A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 2 of: 2

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	PRESER-VATION	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
							BOTTLE SIZE & TYPE											
							ANALYSIS REQUIRED											
TRAVEL BLANK	TRAVEL BLANK (x2)	N/A	N/A	N/A	DI			X									018	~~011~~ 95

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 4°C (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	Anthony LaFon	8/8/17			8/8/17	1430
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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T171331S
~~T171356~~

Client Name: Hills. Co. Public Utilities
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Tampa, Florida 33619
Phone: (813) 663-3222
FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: J. FULLER / A. LAFON
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	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
							BOTTLE SIZE & TYPE											
TH-61	TH-61	G	8/9/17	910	GW			X	X	X	X	X	X				019	~~64~~
TH-61A	TH-61A	G	↓	943	GW			X	X	X	X	X	X				020	~~64A~~
TH-66	TH-66	G		1052	GW			X	X	X	X	X	X				021	~~65~~
TH-66A	TH-66A	G		1021	GW			X	X	X	X	X	X				022	~~66~~
TH-67	TH-67	G		1123	GW			X	X	X	X	X	X				023	~~65~~
TRAVEL BLANK	TRAVEL BLANK	N/A	N/A	N/A	DI			X									024	~~66~~
																		9

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_____(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	[illegible]	8/9/17	1424	[illegible]	8/9	1430
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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T171331S

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: J. FULLER / A. LAFON
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	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
KEENE	KEENE	G	8/10/17	836	GW			X	X	X	X	X	X					025
HOLLAND	HOLLAND	G	8/10/17	909	GW			X	X	X	X	X	X					026
BARNES	BARNES	G	8/10/17	941	GW			X	X	X	X	X	X					027
TRAVEL BLANK	TRAVEL BLANK	N/A	N/A	N/A	DI			X										028
TH-70A	TH-70A	G	8/10/17	1027	GW			X	X	X	X	X	X					029

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 5.3 (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	[illegible]	8/10/17	1330	[illegible]	8/10/17	1331
2						
3						
4						

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

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

~~T1713482~~ 95

Advanced Environmental Laboratories, Inc.

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T1713315

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: J. FULLER / A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 1 of: 2

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	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
BOTTLE SIZE & TYPE							ANALYSIS REQUIRED											
1D	MINE CUT 1D	G	8/9/17	1212	SW			X	X	X	X	X	X	X	X	X	X	032 ~~001~~
FIELD BLANK	FIELD BLANK	G	8/9/17	1200	DI			X	X	X	X	X	X	X	X	X	X	031 ~~002~~

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 4.3 (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	Anthony [illegible]	8/9/17	1424	[illegible]	8/9	1430
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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T17/3515
T17/3563

Client Name: Hills. Co. Public Utilities
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Tampa, Florida 33619
Phone: (813) 663-3222
FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: J. FULLER/A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 2 of: 2

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	Chlorophyll A	Nitrogen	COD								LABORATORY I.D. NUMBER
BOTTLE SIZE & TYPE							ANALYSIS REQUIRED											
ID	MINE CUT ID	G	8/9/17	1212	SW			X	X	X							030	~~[illegible]~~
FIELD BLANK	FIELD BLANK	G	8/9/17	1200	DI			X	X	X							031	~~[illegible]~~

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 40 (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	[illegible]	8/9/17	1424	[illegible]	8/9	14 32
2				[illegible]	8/9	16 [illegible]
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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T17/3315

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Tampa, Florida 33619
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FAX: (813) 274-6801
Contact: Michael Townsel
Sampled By: J. FULLER / A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 1 of: 2

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	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
3A	STREAM 3A	G	8/10/17	1201	SW			X	X	X	X	X	X	X	X	X	X	032
3B2B	STREAM 3B2B	G	8/10/17	1135	SW			X	X	X	X	X	X	X	X	X	X	033
3C2	STREAM 3C2	G	8/10/17	1055	SW			X	X	X	X	X	X	X	X	X	X	034
DUPLICATE	DUPLICATE	G	8/10/17	N/A	SW			X	X	X	X	X	X	X	X	X	X	035
TRAVEL BLANK	TRAVEL BLANK	N/A	N/A	N/A	DI			X										036

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 5.3 (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	Anthony LaFon	8/10/17	1330	[signature]	8/10/17	1331
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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T171331S

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Sampled By: J. FULLER/A. LAFON
Turn Around Time: ☒ STANDARD ☐ RUSH
Page: 2 of: 2

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	PRESER-VATION	Chlorophyll A	Nitrogen	COD								LABORATORY I.D. NUMBER
BOTTLE SIZE & TYPE																		
3A	STREAM 3A	G	8/10/17	1201	SW			X	X	X								032
3B2B	STREAM 3B2B	G	8/10/17	1135	SW			X	X	X								033
3C2	STREAM 3C2	G	8/10/17	1055	SW			X	X	X								034
DUPLICATE	DUPLICATE	G	8/10/17	N/A	SW			X	X	X								035

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

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Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked Temperature when received 5.3 (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]	8/10/17	1330	[signature]	8/10/17	1331
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: TH-28A	SAMPLE ID: TH-28A	DATE: 8/7/17

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): 27.27	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 – 27.27 feet) X 0.16 gallons/foot = 1.13 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: 919	PURGING ENDED AT: 935	TOTAL VOLUME PURGED (gallons): 1.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons) AL 8/7/17	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)
931	1.20	1.20	0.10	27.42	5.03	28.11	255	0.27	4.57	CLEAR	NONE
933	0.20	~~0.20~~ 1.40	0.10	27.42	5.03	28.12	253	0.26	2.65	CLEAR	NONE
935	0.20	~~0.20~~ 1.60	0.10	27.42	5.02	28.12	249	0.22	2.30	CLEAR	NONE
								AL 8/7/17			

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: J. FULLER / A. LATON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 935	SAMPLING ENDED AT: 939
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			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:** 931 (-45.5) 933 (-47.0) 935 (-48.2)

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-57	SAMPLE ID: TH-57	DATE: 8/7/17

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): 17.81	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 – 17.81 feet) X 0.16 gallons/foot = 1.45 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: 856	PURGING ENDED AT: 904	TOTAL VOLUME PURGED (gallons): 2.96

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)
900	1.48	1.48	0.37	18.01	4.97	28.11	720	1.00	1.24	CLEAR	SULFUR
902	0.74	2.22	0.37	18.01	5.00	28.10	718	0.34	1.62	CLEAR	SULFUR
904	0.74	2.96	0.37	18.01	5.01	28.11	701	0.30	1.48	CLEAR	SULFUR
								AL 8/7/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 904	SAMPLING ENDED AT: 908
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: 900(9.1) 902 (-13.7) 904(-21.0)

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-58	SAMPLE ID: TH-58	DATE: 8/7/17

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): 26.43	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 – 26.43 feet) X 0.16 gallons/foot = 1.04 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: 1010	PURGING ENDED AT: 1021	TOTAL VOLUME PURGED (gallons): 1.76

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)
1017	1.12	1.12	0.16	26.65	5.64	27.60	369	0.84	2.77	CLEAR	NONE
1019	0.32	1.44	0.16	26.65	5.66	27.43	366	0.67	2.87	CLEAR	NONE
1021	0.32	1.76	0.16	26.65	5.66	27.41	366	0.63	2.38	CLEAR	NONE
								AL 8/7/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1021	SAMPLING ENDED AT: 1025
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			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: 1017(15.5) 1019(11.5) 1021(10.0)

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: 8/7/17

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): 88.57	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (165.9 feet – 88.57 feet) X 0.16 gallons/foot = 12.38 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: ~~816~~ 824 AL 8/7/17	PURGING ENDED AT: 837	TOTAL VOLUME PURGED (gallons): 18.85

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)
833	13.05	13.05	1.45	88.57	7.30	23.57	380	0.16	1.18	CLEAR	NONE
835	2.90	15.95	1.45	88.57	7.30	23.56	381	0.14	0.69	CLEAR	NONE
837	2.90	18.85	1.45	88.57	7.32	23.58	380	0.12	0.64	CLEAR	NONE
								AL 8/7/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 837	SAMPLING ENDED AT: 841
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			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: 833(-65.3) 835(-75.1) 837(-82.1)

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-78	SAMPLE ID: TH-78 / DATE: 8/7/17

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): 77.15	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 – 77.15 feet) X 0.16 gallons/foot = 16.16 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 177.14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 177.14	PURGING INITIATED AT: 1051	PURGING ENDED AT: 1134	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)
1130	16.38	16.38	0.42	77.16	8.13	23.41	512	0.10	2.13	CLEAR	NONE
1132	0.84	17.22	0.42	77.16	8.10	23.58	516	0.12	2.81	CLEAR	NONE
1134	0.84	18.06	0.42	77.16	8.13	23.47	515	0.11	2.85	CLEAR	NONE
								AL 8/7/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1134	SAMPLING ENDED AT: 1138
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:** 1130 (-224.0) 1132 (-224.5) 1134 (-224.4)

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: 8/7/17

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): 4.47	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 – 4.47 feet) X 0.16 gallons/foot = 3.75 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: 1232	PURGING ENDED AT: 1246	TOTAL VOLUME PURGED (gallons): 5.60

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)
1242	4.00	4.00	0.40	5.23	4.48	24.44	187	0.20	9.29	CLEAR	NONE
1244	0.80	4.80	0.40	5.23	4.49	24.45	187	0.15	9.43	CLEAR	NONE
1246	0.80	5.60	0.40	5.23	4.46	24.46	187	0.12	10.18	CLEAR	NONE
								AL 8/7/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1246	SAMPLING ENDED AT: 1250
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			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:** 1242(29.5) 1244(25.7) 1246(24.8)

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-19	SAMPLE ID: TH-19	DATE: 8/8/17

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): 93.66	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)

= (153.6 feet – 93.66 feet) X 0.16 gallons/foot = 9.60 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 152.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 152.6	PURGING INITIATED AT: 950	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (gallons): 14.70

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)
1000	10.50	10.50	1.05	93.95	7.30	23.50	399	0.14	0.98	CLEAR	NONE
1002	2.10	12.60	1.05	93.95	7.26	23.50	399	0.13	1.10	CLEAR	NONE
1004	2.10	14.70	1.05	93.95	7.25	23.51	399	0.13	1.02	CLEAR	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1004	SAMPLING ENDED AT: 1008
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			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:** 1000 (-77.6) 1002 (-78.7) 1004 (-82.1)

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-36A	SAMPLE ID: TH-36A	DATE: 8/8/17

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): 32.21	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 – 32.21 feet) X 0.16 gallons/foot = 1.04 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: 1021	PURGING ENDED AT: 1034	TOTAL VOLUME PURGED (gallons): 1.69

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)
1030	1.17	1.17	0.13	32.45	5.57	25.44	224	0.77	4.50	CLEAR	NONE
1032	0.26	1.43	0.13	32.45	5.58	25.45	225	0.78	4.82	CLEAR	NONE
1034	0.26	1.69	0.13	32.45	5.54	25.45	226	0.74	4.68	CLEAR	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1034	SAMPLING ENDED AT: 1038
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			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:** 1030 (125.0) 1032 (127.7) 1034 (131.1)

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-64	SAMPLE ID: TH-64 / DATE: 8/8/17

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): 15.09	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 – 15.09 feet) X 0.16 gallons/foot = 0.66 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: 1240	PURGING ENDED AT: 1316	TOTAL VOLUME PURGED (gallons): 3.60

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)
1247	0.70	0.70	0.10	15.26	5.15	27.66	203	0.21	48.3	CLOUDY	NONE
1254	0.70	1.40	0.10	15.26	5.19	27.60	204	0.14	41.5	CLOUDY	NONE
1301	0.70	2.10	0.10	15.26	5.18	27.54	208	0.10	34.5	CLOUDY	NONE
1308	0.70	2.80	0.10	15.26	5.18	27.50	213	0.09	30.8	CLOUDY	NONE
1312	0.40	3.20	0.10	15.26	5.19	27.48	216	0.11	27.1	CLOUDY	NONE
1314	0.20	3.40	0.10	15.26	5.18	27.46	216	0.10	27.5	CLOUDY	NONE
1316	0.20	3.60	0.10	15.26	5.20	27.43	217	0.13	26.3	CLOUDY	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1316	SAMPLING ENDED AT: 1320
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) AL 8/8/17

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	~~SAMPLING EQUIPMENT CODE~~	~~SAMPLE PUMP FLOW RATE (mL per minute)~~ ORP (CTD.)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								1312	(-28.3)
								1314	(-32.1)
								1316	(-34.7)

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 1247 (100.5) 1254 (61.8) 1301 (16.5) 1308 (-17.0)

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-65	SAMPLE ID: TH-65	DATE: 8/8/17

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): 13.69	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 – 13.69 feet) X 0.16 gallons/foot = 1.49 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: 1332	PURGING ENDED AT: 1344	TOTAL VOLUME PURGED (gallons): 2.52

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)
1340	1.68	1.68	0.21	15.39	5.55	25.60	229	0.11	6.98	CLEAR	NONE
1342	0.42	2.10	0.21	15.39	5.51	25.51	226	0.11	7.32	CLEAR	NONE
1344	0.42	2.52	0.21	15.39	5.50	25.47	226	0.11	8.47	CLEAR	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1344	SAMPLING ENDED AT: 1348
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			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: 1340 (-77.8) 1342 (-80.4) 1344 (-81.6)

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-68	SAMPLE ID: TH-68	DATE: 8/8/17

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): 12.26	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (22.2 feet – 12.26 feet) X 0.16 gallons/foot = 1.60 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 21.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 21.2	PURGING INITIATED AT: 1101	PURGING ENDED AT: 1222	TOTAL VOLUME PURGED (gallons): 8.10

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)
1118	1.70	1.70	0.10	17.02	5.66	28.72	241	2.28	35.9	CLOUDY	NONE
1134	1.60	3.30	0.10	16.04	5.61	28.92	244	2.74	50.8	CLOUDY	NONE
1150	1.60	4.90	0.10	16.04	5.60	28.84	242	1.64	33.3	CLOUDY	NONE
1206	1.60	6.50	0.10	16.04	5.58	28.94	243	1.78	32.9	CLOUDY	NONE
1214	0.80	7.30	0.10	16.04	5.58	28.84	241	1.92	19.6	CLOUDY	NONE
1218	0.40	7.70	0.10	16.04	5.55	28.91	241	1.89	15.9	CLEAR	NONE
1222	0.40	8.10	0.10	16.04	5.58	28.88	241	1.69	29.2	CLOUDY	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1222	SAMPLING ENDED AT: 1226
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) AL 8/8/17

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	~~SAMPLING EQUIPMENT CODE~~	~~SAMPLE PUMP FLOW RATE (mL per minute)~~ ORP (CTD.)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								1214	(-27.5)
								1218	(-31.0)
								1222	(-32.1)

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 1118 (-13.8) 1134 (-9.0) 1150 (-21.4) 1206 (-28.8)

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-69A	SAMPLE ID: TH-69A	DATE: 8/8/17

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): 23.70	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 – 23.70 feet) X 0.16 gallons/foot = 1.81 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: 839	PURGING ENDED AT: 857	TOTAL VOLUME PURGED (gallons): 4.68

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)
846	1.82	1.82	0.26	23.80	6.08	25.84	609	0.41	23.3	MURKY	NONE
853	1.82	3.64	0.26	23.80	6.07	25.85	607	0.18	19.4	CLEAR	NONE
855	0.52	4.16	0.26	23.80	6.07	25.86	607	0.14	14.7	CLEAR	NONE
857	0.52	4.68	0.26	23.80	6.06	25.85	606	0.12	11.3	CLEAR	NONE
								AL 8/8/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 857	SAMPLING ENDED AT: 901
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			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:** 846 (-77.7) 853 (-86.5) 855 (-87.5) 857 (-87.9)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida
WELL NO: TH-71A	SAMPLE ID: TH-71A — DATE: 8/8/17

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): 23.21	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 – 23.21 feet) X 0.16 gallons/foot = 2.34 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: 917	PURGING ENDED AT: 929	TOTAL VOLUME PURGED (gallons): 3.96

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)
925	2.64	2.64	0.33	23.54	6.12	25.02	1524	0.08	12.36	IRON OXIDE	NONE
927	0.66	3.30	0.33	23.54	6.12	25.04	1523	0.09	8.77	IRON OXIDE	NONE
929	0.66	3.96	0.33	23.54	6.13	25.04	1524	0.08	8.47	IRON OXIDE	NONE
								AL 8/8/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 929	SAMPLING ENDED AT: 933
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			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: 925(-51.6) 927(-53.5) 929(-54.7)

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-72	SAMPLE ID: TH-72	DATE: 8/8/17

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): 91.51	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)
= (190 feet – 91.51 feet) X 0.16 gallons/foot = 15.76 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 189	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 189	PURGING INITIATED AT: 740	PURGING ENDED AT: 812	TOTAL VOLUME PURGED (gallons): 18.56

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)
~~820~~	~~16.00~~	~~16.00~~	~~0.40~~								
1/17 808	16.24	16.24	0.58	91.51	6.64	23.68	1700	0.79	3.53	CLEAR	NONE
810	1.16	17.40	0.58	91.51	6.64	23.69	1701	0.95	2.20	CLEAR	NONE
812	1.16	18.56	0.58	91.51	6.64	23.69	1701	1.02	1.75	CLEAR	NONE
								AL 8/8/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 812	SAMPLING ENDED AT: 816
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			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: 808(-99.3) 810(-100.8) 812(-101.3)

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: Duplicate	SAMPLE ID: Duplicate	DATE: 8/8/17

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 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
AL 8/8/17

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: N/A	SAMPLING ENDED AT: N/A
PUMP OR TUBING DEPTH IN WELL (feet): N/A	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: N/A** DUPLICATE

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: 8/8/17

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

AL 8/8/17

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 735	SAMPLING ENDED AT: 739
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: N/A** FIELD BLANK

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: 8/9/17

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): 15.93	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 – 15.93 feet) X 0.16 gallons/foot = 1.60 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24.9	PURGING INITIATED AT: 858	PURGING ENDED AT: 910	TOTAL VOLUME PURGED (gallons): 2.52

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)
906	1.68	1.68	0.21	16.65	5.51	25.85	183	1.22	4.94	CLEAR	NONE
908	0.42	2.10	0.21	16.65	5.50	25.87	180	0.96	3.29	CLEAR	NONE
910	0.42	2.52	0.21	16.65	5.45	25.83	177	0.57	3.37	CLEAR	NONE
								AL 8/9/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 910	SAMPLING ENDED AT: 914
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			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:** 906 (-28.8) 908 (-30.9) 910 (-37.2)

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida
WELL NO: TH-61A	SAMPLE ID: TH-61A	DATE: 8/9/17

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): 14.64	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 – 14.64 feet) X 0.16 gallons/foot = 1.37 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: 925	PURGING ENDED AT: 943	TOTAL VOLUME PURGED (gallons): 1.80

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)
939	1.40	1.40	0.10	16.65	5.73	27.01	208	0.96	5.31	CLEAR	SULFUR
941	0.20	1.60	0.10	16.65	5.74	26.98	207	0.84	9.80	CLEAR	SULFUR
943	0.20	1.80	0.10	16.65	5.74	26.97	207	0.75	7.28	CLEAR	SULFUR
								AL 8/9/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 943	SAMPLING ENDED AT: 947
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			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: 939 (20.1) 941 (29.6) 943 (34.0)

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-66	SAMPLE ID: TH-66	DATE: 8/9/17

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): 8.22	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 – 8.22 feet) X 0.16 gallons/foot = 2.10 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: 1041	PURGING ENDED AT: 1052	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)
1048	2.31	2.31	0.33	8.88	5.74	25.69	216	0.12	2.12	CLEAR	NONE
1050	0.66	2.97	0.33	8.88	5.74	25.67	213	0.10	2.27	CLEAR	NONE
1052	0.66	3.63	0.33	8.88	5.73	25.67	210	0.09	1.96	CLEAR	NONE
								AL 8/9/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1052	SAMPLING ENDED AT: 1056
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:** 1048 (-53.3) 1050 (-58.2) 1052 (-61.5)

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: 8/9/17

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): 8.62	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 – 8.62 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): 14.37	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37	PURGING INITIATED AT: 1003	PURGING ENDED AT: 1021	TOTAL VOLUME PURGED (gallons): 1.44

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1017	1.12	1.12	0.08	9.85	5.91	27.50	362	0.25	1.83	CLEAR	NONE
1019	0.16	1.28	0.08	9.85	5.92	27.46	363	0.21	2.37	CLEAR	NONE
1021	0.16	1.44	0.08	9.85	5.92	27.33	362	0.18	1.53	CLEAR	NONE
								AL 8/9/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1021	SAMPLING ENDED AT: 1025
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:** 1017 (-109.2) 1019 (-110.2) 1021 (-113.2)

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-67	SAMPLE ID: TH-67	DATE: 8/9/17

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): 5.10	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 – 5.10 feet) X 0.16 gallons/foot = 1.63 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: 1105	PURGING ENDED AT: 1123	TOTAL VOLUME PURGED (gallons): 2.16

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1119	1.68	1.68	0.12	5.90	6.33	27.08	259	0.30	3.89	CLEAR	NONE
1121	0.24	1.92	0.12	5.90	6.32	27.11	255	0.28	3.67	CLEAR	NONE
1123	0.24	2.16	0.12	5.90	6.32	27.15	253	0.24	3.28	CLEAR	NONE
								AL 8/9/17			

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: J. FULLER/A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1123	SAMPLING ENDED AT: 1127
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: 1119 (-1.6) 1121 (-0.1) 1123 (2.0)

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: Keene	SAMPLE ID: Keene	DATE: 8/10/17

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: 822	PURGING ENDED AT: 836	TOTAL VOLUME PURGED (gallons): 70.00

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)
832	50.00	50.00	5.00	N/A	7.39	24.98	342	0.12	2.03	CLEAR	NONE
834	10.00	60.00	5.00	N/A	7.40	25.00	342	0.14	1.63	CLEAR	NONE
836	10.00	70.00	5.00	N/A	7.39	24.99	342	0.12	1.82	CLEAR	NONE
								AL 8/10/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 836	SAMPLING ENDED AT: 840
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** PRIVATE SUPPLY WELL **ORP:** 832(-8.0) 834(-13.2) 836(-17.3)

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: Holland	SAMPLE ID: Holland	DATE: 8/10/17

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: 855	PURGING ENDED AT: 909	TOTAL VOLUME PURGED (gallons): 70.00

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)
905	50.00	50.00	5.00	N/A	7.01	24.15	394	0.06	3.99	CLEAR	NONE
907	10.00	60.00	5.00	N/A	7.01	24.14	393	0.04	1.89	CLEAR	NONE
909	10.00	70.00	5.00	N/A	7.02	24.15	393	0.03	3.76	CLEAR	NONE
								AL 8/10/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 909	SAMPLING ENDED AT: 913
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** PRIVATE SUPPLY WELL **ORP:** 905(-130.6) 907(-131.2) 909(-132.5)

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: Barnes	SAMPLE ID: Barnes — DATE: 8/10/17

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
N/A	N/A	N/A ft to N/A ft	N/A	Valve

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (N/A feet – N/A feet) X N/A gallons/foot = N/A gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
N/A	N/A	922	941	95.00

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)
937	75.00	75.00	5.00	N/A	7.24	23.67	340	0.82	1.22	CLEAR	NONE
939	10.00	85.00	5.00	N/A	7.24	23.59	347	1.05	1.40	CLEAR	NONE
941	10.00	95.00	5.00	N/A	7.25	23.59	347	1.07	1.42	CLEAR	NONE
								AL 8/10/17			

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
J. FULLER / A. LAFON	[signature]	941	945

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** PRIVATE SUPPLY WELL **ORP:** 937(39.3) 939(26.5) 941(24.3)

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-70A	SAMPLE ID: TH-70A	DATE: 8/10/17

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): 27.18	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 – 27.18 feet) X 0.16 gallons/foot = 1.51 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: 1007	PURGING ENDED AT: 1027	TOTAL VOLUME PURGED (gallons): 8.40

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)
1011	1.68	1.68	0.42	27.28	6.26	25.76	612	0.24	66.0	CLOUDY	NONE
1015	1.68	3.36	0.42	27.28	6.27	25.73	611	0.89	49.3	CLOUDY	NONE
1019	1.68	5.04	0.42	27.28	6.27	25.72	609	0.67	39.9	CLOUDY	NONE
1023	1.68	6.72	0.42	27.28	6.26	25.72	609	0.41	34.0	CLOUDY	NONE
~~1027~~	~~1.68~~	~~8.40~~	~~0.42~~								
1025	0.84	7.56	0.42	27.28	6.25	25.70	608	0.29	35.1	CLOUDY	NONE
1027	0.84	8.40	0.42	27.28	6.27	25.70	608	0.26	31.8	CLOUDY	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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1027	SAMPLING ENDED AT: 1031
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) AL 8/10/17

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	~~SAMPLING EQUIPMENT CODE~~	~~SAMPLE PUMP FLOW RATE (mL per minute)~~ ORP (CTD.)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
								1025	(-69.5)
								1027	(-69.2)

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 1011 (-67.6) 1015 (-69.5) 1019 (-70.0) 1023 (-70.2)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Mine-Cut (1D)	SAMPLE ID: Mine-Cut (1D)	DATE: 8/9/17

PURGING DATA

AL 8/9/17

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: ~~BAILER~~ SCOOP

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)
1212	N/A	N/A	N/A	2.86	6.83	29.19	1140	1.50	6.91	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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1212	SAMPLING ENDED AT: 1216
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:** 1212 (-28.6)

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: 8/9/17

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

AL 8/9/17

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1200	SAMPLING ENDED AT: 1204
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: N/A** FIELD BLANK

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: 8/10/17

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
N/A	N/A	N/A ft to N/A ft	N/A	SCOOP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (N/A feet – N/A feet) X N/A gallons/foot = N/A gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
N/A	N/A	N/A	N/A	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)
1201	N/A	N/A	N/A	1.60	6.42	29.07	304	2.69	2.74	CLEAR	NONE
								AL 8/10/17			

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
J. FULLER / A. LAFON	[signature]	1201	1205

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
N/A	N/A		

FIELD DECONTAMINATION: ~~PUMP Y N~~ AL 8/10/17 ~~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:** 1201 (75.1)

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: 3B2B	SAMPLE ID: 3B2B	DATE: 8/10/17

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: SCOOP

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)
1135	N/A	N/A	N/A	1.80	6.70	26.96	291	3.74	4.62	CLEAR	NONE
								AL 8/10/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1135	SAMPLING ENDED AT: 1139
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~~ AL 8/10/17 ~~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: 1135 (37.1)

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: Stream 3C2	SAMPLE ID: Stream 3C2	DATE: 8/10/17

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: SCOOP

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)
1055	N/A	N/A	N/A	1.90	6.61	28.15	354	2.47	6.20	CLEAR	NONE
								AL 8/10/17			

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1055	SAMPLING ENDED AT: 1059
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~~ AL 8/10/17 ~~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:** 1055 (20.0)

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: Duplicate	SAMPLE ID: Duplicate	DATE: 8/10/17

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 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
AL 8/10/17

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: J. FULLER / A. LAFON	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: N/A	SAMPLING ENDED AT: N/A
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: ~~PUMP Y N~~ AL 8/10/17 ~~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** DUPLICATE

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.: T1713315

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 (SIM)

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:

D. Spikes: The spike recovery of DBCP for the Laboratory Control Sample (LCS) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was required.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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 control criteria for matrix spike recoveries of T1713315015 for Chloride are not applicable. The analyte concentration in the sample was greater than 4 times the added spike concentrations, preventing accurate evaluation of the spike recovery. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

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Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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 5210B

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: The relative percent difference RPD for the following analyte BOD in the replicate matrix spike analyses of T1713537001 was outside control criteria: BOD Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

D. Spikes: All acceptance criteria were met.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

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6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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 410.4

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 recoveries of COD for T1713509003 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 was required. MS recovery was 89% and MSD recovery was 89.2%; acceptable recoveries are 90-110%.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

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6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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 duplicate recovery (MSD 89%) of Chloride for T1713558001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike (MS) 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:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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 control criteria for matrix spike recoveries of NH3 for T1713315016 are not applicable. The analyte concentration in the sample was greater than 4 times the added spike concentrations, preventing accurate evaluation of the spike recovery. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1713315

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) recoveries of Total Phosphorus for T1713764002 (MS 83% & MSD 74%) were outside control criteria. Recovery in the Laboratory Control Sample (LCS) and %RPD was acceptable, which indicates the analytical batch was in control. The matrix spike outliers suggest a potential low bias in this matrix for this analyte. The affected sample is qualified to indicate matrix interference. Acceptable criteria is 90-110%.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

_____

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Queue: WCAt

Batch Number: 10227

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 4500NO3-F

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 Nitrate (MS 88%) for F1700597003 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Queue: ICMj

Batch Number: 1654

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 6020

Preparation: SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

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 recoveries of Silver for T1713315001 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:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package:

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Queue: ICMj

Batch Number: 1663

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 6020

Preparation: SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

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 recoveries of Mn and Silver for T1713315030 were outside control criteria. Recoveries 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:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Quality Assurance Officer, or designee, as verified by the following signature, has authorized release of the data contained in this data package: