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 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 DAVID S. ADAMS, ENVIRONMENTAL MANAGER, PUBLIC UTILITIES DEPT.

Address 332 NORTH FALKENBURG ROAD

City TAMPA, FLORIDA Zip 33619

Telephone Number (813) 663-3221

(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: 5/30/2017

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

May 30, 2017

Mr. John Morris, P.G.
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 – February 2017

Dear Mr. Morris:

In accordance with the 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 February 2017 water quality sampling event conducted the week of February 6-9, 2017 at the Southeast County Landfill (SCLF). In accordance with the permit, the monitoring plan included the collection of representative samples from a total of sixteen (16) surficial aquifer monitoring wells, three (3) upper Floridan aquifer monitoring wells, four (4) surface water sampling locations, and three (3) private supply wells. All of the groundwater and surface water samples collected 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 detection and background water quality 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 range from 4.71 to 6.44 pH units across the site. The pH values in the surficial aquifer have historically been observed below the

acceptable range, and the background water quality recorded prior to construction and operation of the landfill established pH below the acceptable range within the surficial aquifer at and around the landfill. The recent data remains consistent with the historical data set and background water quality.

Turbidity

The turbidity values observed in the surficial aquifer ranged from 0.58 to 138 Nephelometric Turbidity Units (NTU) and are consistent with the historical water quality at the site. In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the County also records turbidity data at the three sampling points in the surface water tributary to Long Flat Creek after each significant rainfall event. Historical turbidity measurements were recorded and a table of these values is provided within this report. No violations of the compliance value of 29 NTU over the upstream values were observed during this sampling event, and the values continue to be consistent with the extensive historical data set.

Over the thirteen (13) plus years of monitoring the surface waters in the tributary after each significant rainfall event, there have been no violations of the compliance criteria at the discharge point. Additionally, several significant improvements to the storm water management system have been constructed over the last three years to ensure the level of system performance desired. 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 there is justification for discontinuing the required reporting of turbidity in the tributary.

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 880 mg/l, which exceeds the SDWS of 500 mg/l. The County has made improvements to the storm water conveyance swale along the original up-ramp to Section to divert the flow of storm water from the dirt road way away from this well, and water quality will continue to be evaluated.

Additionally, the water quality changes observed in TH-67 over the past year continue to exhibit elevated TDS values attributable to the landfill. During this sampling event, the TDS value was observed at 1800 mg/l. The County continues to evaluate the water quality changes in the surficial aquifer monitoring wells along the east side of Phase II as part of the on-going implementation of corrective actions at the site.

Chloride

Chloride was observed in surficial aquifer monitoring well TH-71A above the SDWS at a concentration of 300 mg/l. The source of the elevated chloride value observed has been attributed to storm water runoff from the original up-ramp to Section 9, and the County has made improvements to address that potential source.

TH-67 also exhibited chloride above the SDWS at a concentration of 870 mg/l. The County and SCS Engineers are currently evaluating the apparent source of these water quality impacts, and continue working to prevent any additional contributions to the water quality impacts on the east side of Phase II. Supplemental sampling of a select group of surficial aquifer monitoring wells is being conducted on a quarterly schedule as part of the on-going corrective actions at the site.

Arsenic

Arsenic was observed above the Primary Drinking Water Standard (PDWS) of 0.01 mg/l in surficial aquifer detection monitoring wells TH-58 and TH-65. These wells exhibited concentrations of 0.016 mg/l and 0.019 mg/l, which exceed the standard. The concentrations of arsenic observed in each of these locations have historically been above the standard, and consistent over the period of record. The arsenic does not appear to be directly attributable to the landfill, and is likely a result of 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 observed above the SDWS of 0.3 mg/l. Concentrations of iron exceeding the standard ranged from 0.31 mg/l to 36 mg/l. Iron in the surficial aquifer wells across the site 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 highest concentrations continue to be observed in TH-69A, TH-70A, and TH-71A at 3.3 mg/l, 13 mg/l, and 36 mg/l, respectively. The potential sources of the elevated iron concentrations at various locations of the site have been evaluated, and several factors appear to potentially be contributing. The County maintains the position that the source(s) of elevated iron concentrations within the surficial aquifer groundwater at the Southeast County Landfill site are not attributable to the landfill. No unusual changes in iron concentrations have been observed in any of the groundwater monitoring wells during this semi-annual sampling event.

Sodium

Surficial aquifer monitoring well TH-67 exhibited a concentration of sodium at 190 mg/l, which is above the Primary Drinking Water Standard (PDWS) of 160 mg/l. The source of the elevated sodium values observed in TH-67 since February of 2016 appears to be the landfill, and this issue is currently being evaluated by the County and SCS Engineers. Supplemental monitoring of TH-67 and other nearby surficial aquifer monitoring wells is currently being conducted on a quarterly schedule, and the results are reported to the Department under separate letter.

Volatile Organic Compounds

Samples for analysis of Volatile Organic Compounds were collected during this water quality event, and the findings from the laboratory analytical results are discussed in the following paragraph.

Acetone

Surficial aquifer groundwater monitoring wells TH-66A, TH-67, and TH-70A exhibited low levels of acetone well below the groundwater cleanup target level (GCTL) of 6,300 ug/l. The quality control field blanks and trip blanks also exhibited low concentrations of acetone, and the County continues to investigate the source what appears to be some form of cross contamination.

Upper Floridan Aquifer Monitoring Wells

pH

One (1) of the four (4) upper Floridan aquifer (UFA) water quality monitoring wells exhibited a pH value below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units. The pH value in UFA well TH-78 was 9.16 pH units. The recent data remains consistent with the historical data set as this location has exhibited elevated pH in the past. TH-78 was installed to address the potential water quality impacts in the UFA from the sinkhole. The closest UFA monitoring well, TH-72, continues to show minor water quality impacts, but pH is observed within standards at 7.30 pH units. The pH observed in TH-78 has consistently been elevated and is believed to be attributable to the grout materials used in the construction of this monitoring well.

Total Dissolved Solids (TDS)

The upper Floridan aquifer monitoring well TH-72 was constructed approximately 50 feet from the former sinkhole on the west side of the landfill. This well has exhibited elevated TDS values over the period of record, and TDS was observed at 1,000 mg/l during this sampling event. The observed value is consistent with the historical data set.

Chloride

Chloride was observed at 380 mg/l in upper Floridan aquifer monitoring well TH-72, which is above the SDWS of 250 mg/l. The elevated chloride value in TH-72 is likely attributable to waste in the throat of the remediated sinkhole and the injected grout materials for subsurface stabilization and/or remediation of the large karst feature, which formed in 2010 and was repaired and isolated over the following few years. Chloride values in the remaining upper Floridan aquifer groundwater monitoring wells were well below the SDWS, and consistent with their historical data sets.

Iron

Iron was observed at concentrations above the SDWS of 0.3 mg/l in one (1) of the four (4) upper Floridan aquifer groundwater monitoring wells sampled. Iron was observed in TH-72 at a concentration of 0.68 mg/, which is consistent with the past several years of data from this well. The remaining wells were observed within the SDWS, and consistent with their historical data sets.

Surface Water Sampling Locations

Representative samples from the four (4) surface water sampling sites were collected and analyzed for the permit required list of parameters. The results are discussed in the following paragraphs.

Dissolved Oxygen

Two (2) of the four (4) surface water locations exhibited dissolved oxygen (D.O.) levels below the surface water standard of $\geq$5 mg/l during this sampling event. The surface water sampling locations Mine Cut 1 and Stream-3A exhibited concentrations of dissolved oxygen at 0.29 mg/l and 0.09 mg/l, respectively. The sampling location 3A in the stream tributary to Long Flat Creek is the upstream location, and is representative of surface water entering the Southeast County Landfill property. The surface water sampling site 3C2 is the discharge monitoring point for the site in the tributary to Long Flat Creek, and this site exhibited a DO value of 7.13 mg/l.

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 sampling location Mine Cut 1 was just below the acceptable range at 6.46 pH units. The remaining surface water sampling locations across the site were within the standard range, which is consistent with the historical data set for the site.

Private Supply Wells

Three private supply wells were sampled during this event, and the results 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 1.6 mg/l. Concentrations of iron are consistently above the SDWS in this supply well. However, based on the up gradient location of this well, the County maintains the position that the iron is naturally occurring within production zones of this upper Floridan aquifer supply well. All other parameters and supply wells were within standards, which is consistent with the data sets for these wells.

Groundwater Elevation and Flow

Groundwater and surface water elevations were recorded on February 6, 2017. The elevation data is collected, and utilized to prepare a representative surficial aquifer groundwater elevation and contour diagram. The diagram for this event was prepared with a 2 ft. contour interval, and it has been utilized to evaluate the general directions of flow across the site. A groundwater elevation was not collected from monitoring well TH-30 as County personnel inadvertently missed this location during the collection of water levels on the first day of the sampling event. Additionally, the groundwater elevation data was not recorded at monitoring well TH-38 due to the groundwater level being below the pump due to the extremely dry conditions observed at the site and across the region. The general direction of flow remains to the west/northwest, which is consistent with the historical evaluations of flow within the surficial aquifer at the Southeast County Landfill.

Conclusions

Overall, the water quality at the Southeast County Landfill and surrounding areas remains consistent with the historical data set for the site. The groundwater within the surficial aquifer continues to exhibit pH, arsenic, and iron outside their applicable standards, but these constituents appear to be attributed to sources other than the landfill, with the following exceptions:

The water quality observed in surficial aquifer monitoring well TH-67 indicates exceedances of pH, TDS, chloride, sodium, and iron exceeding their respective drinking water standards during this sampling event. The County and SCS Engineers continue their ongoing evaluation of the situation and implementation of corrective actions. As a result of these investigations, it has been determined that the most likely source of the elevated parameters in the surficial aquifer was either an overtopping of the east containment berm due to elevated leachate levels in areas of the Phase II footprint, or a large area of seepage out of the east side wall of the landfill due to perched leachate moving laterally along the cover material of an upper lift within the landfill to the area of impacts. The area of impacted groundwater appears to have been delineated by additional monitoring wells and geophysical investigations.

Additionally, the water quality observed in surficial aquifer monitoring well TH-71A exhibits concentrations of TDS, chloride, and iron above their respective drinking water standards during this sampling event. The County has made some improvements to the storm water conveyance system in the area of this monitoring well, and continues to evaluate the groundwater quality.

The upper Floridan aquifer monitoring well TH-72 is sampled as part of the permit required semi-annual monitoring program, and this well continues to exhibit water quality impacts that are attributable to the former sinkhole on the west side slope of the landfill. TDS and chloride continue to exceed their respective standards, and the water quality remains relatively stable with a potential downward trend in the indicator parameters observed.

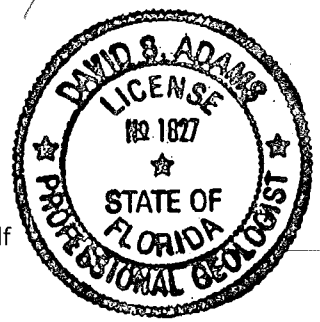
Enclosed for your review please find a detailed site location map, the data summary tables of the detections observed in the groundwater monitoring wells, surface water sampling sites, and the private supply wells. This report also provides a groundwater elevation data summary table, a surficial aquifer 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) 663-3221.

Respectfully submitted,

Michael D. Townsel 5/30/2017
Senior Hydrologist
Environmental Services
Public Utilities Department

David S. Adams, P.G. 5/30/2017
Environmental Manager
Environmental Services
Public Utilities Department



DSA/mdt
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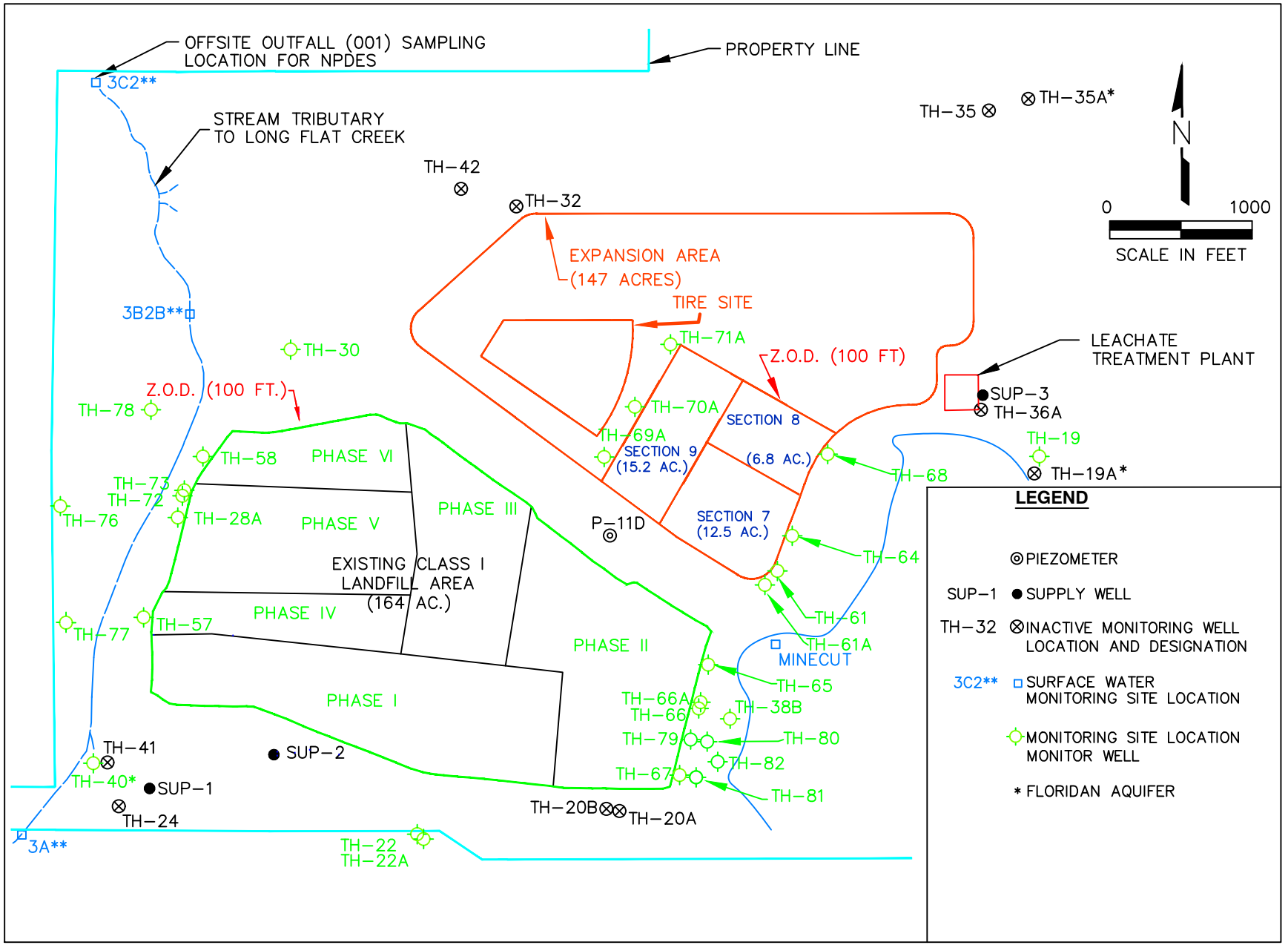
Enclosures

xc: Kim Byer, Director, Solid Waste Management Division
Larry Ruiz, Landfill Manager, Solid Waste Management Division
Jeffry Greenwell, GMIII, Environmental Services Section
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, Inc.



Site Map

Southeast County Landfill Facility, Hillsborough County, Florida

Southeast County Landfill
Laboratory Analytical Data
Groundwater Monitoring Wells (Phases 1-6)
February 6-9, 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)	472	453	2070	568	217	298	309	402	262	337	580	3830	NS
dissolved oxygen (mg/l) (field)	0.16	0.2	0.82	0.13	0.18	1.28	0.23	1.08	0.34	0.28	0.64	2.13	NS
ORP (mV)	-120.4	-66.4	-159	-201.6	36.2	-77.2	-187.3	-60.4	-152.3	-12.4	-69.2	-41.7	NS
temperature (°C) (field)	23.46	23.46	23.54	23.13	21.47	27.11	27.65	26.73	25.15	24.09	23.68	24.52	NS
turbidity (NTU) (field)	0.49	0.55	0.82	1.88	12	3.78	0.58	2.92	3.15	6.17	1.06	8.72	NS
pH (SU) (field)	7.21	8.01	7.20	**9.16**	**4.71**	**5.24**	**5.25**	**6.10**	**5.57**	**5.97**	**6.18**	**6.44**	(6.5 - 8.5)**
total dissolved solids (mg/l)	230	220	**1000**	280	140	130	140	170	130	170	300	**1800**	500**
chloride (mg/l)	8.1	13	**380**	33	10	57	68	17	21	43	76	**870**	250**
ammonia nitrogen (mg/l as N)	0.2	0.26	12	0.23	0.39	1.6	1	1.1	1.2	0.46	0.47	12	NS
nitrate (mg/l as N)	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.39	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	10*
Metals Detected (mg/l)													MCL Standard
antimony	0.000046 u	0.00011 i	0.000081 i	0.000046 u	0.000046 u	0.000046 u	0.000046 u	0.000046 u	0.000084 i	0.00012 i	0.00054 i	0.00022 i	0.006*
arsenic	0.000077 u	0.000083 i	0.00022 i	0.00015 i	0.00034 i	0.0015	0.00013 i	**0.016**	**0.019**	0.0032	0.000077 u	0.00055 i	0.01*
barium	0.0052	0.0055	0.033	0.086	0.041	0.0011	0.011	0.014	0.0011	0.0022	0.0034	0.01	2*
cadmium	0.000028 u	0.000028 u	0.000029 i	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.000028 u	0.005*
chromium	0.00011 u	0.00011 u	0.00046 i	0.00019 i	0.0027	0.00091 i	0.00042 i	0.0016 i	0.002 i	0.00083 i	0.00011 u	0.0014 i	0.1*
cobalt	0.00019 u	0.00019 u	0.00022 i	0.00019 u	0.00019 u	0.00046 i	0.00019 u	0.00019 u	0.0016	0.00019 u	0.00053	0.0028	140***
copper	0.00011 u	0.00011 u	0.00013 i	0.00011 u	0.00022 i	0.00023 i	0.00011 u	0.00024 i	0.00018 i	0.00011 u	0.00048 i	0.00018 i	1**
iron	0.021 u	0.031 i	**0.62**	0.22	**1.4**	**3.5**	**0.31**	**5.1**	**0.59**	**3.6**	**0.82**	**28**	0.3**
nickel	0.00011 u	0.00011 u	0.0013	0.00011 u	0.00011 u	0.0002 i	0.00011 u	0.00011 u	0.00011 u	0.00027 i	0.0018	0.014	0.1*
selenium	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00087 i	0.00058 u	0.00058 u	0.00058 u	0.05*
silver	0.000027 u	0.000027 u	0.000042 i	0.000027 u	0.000027 u	0.000027 u	0.000027 u	0.000027 u	0.000027 u	0.000029 i	0.000027 u	0.000078 i	0.1**
sodium	14	16	150	31	3.7	18	13	8.3	11	6.3	22	**300**	160*
thallium	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000088 i	0.000057 u	0.0002 i	0.00066	0.000057 u	0.000057 u	0.000057 u	0.002 *
vanadium	0.00071 u	0.00071 u	0.00083 i	0.00071 u	0.0020 i	0.0013 i	0.00073 i	0.0043	0.0041	0.0016 i	0.02	0.0071	0.049***
zinc	0.0062 i	0.0078 i	0.0065 i	0.0071 i	0.0079 i	0.0081 i	0.0068 i	0.006 i	0.0091 i	0.0070 i	0.0068 i	0.0098 u	5**
Organic Parameters Detected (ug/l)													MCL Standard
acetone	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	1 u	4.6 i	6.3	6300***

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

MCL=Maximum Contaminant Level

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

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

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

3.89: 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)
February 6-9, 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)	212	155	320	296	287	545	673	1578	**NS**
dissolved oxygen (mg/l) (field)	0.99	0.36	1.31	0.77	1.88	0.51	1.53	0.2	**NS**
ORP (mV)	8.3	-133.6	-162.1	16.3	99.7	-45.4	-1.9	-42.8	**NS**
temperature (°C) (field)	25.42	25.84	26.08	26.17	26.88	25.64	26.15	24.73	**NS**
turbidity (NTU) (field)	6.84	2.42	8.75	138	66.2	1.73	42.4	5.65	**NS**
pH (SU) (field)	**5.42**	**5.60**	**5.91**	**5.13**	**5.24**	**6.23**	**6.38**	**6.22**	**(6.5 - 8.5)****
total dissolved solids (mg/l)	92	75	160	120	170	230	300	**880**	**500****
chloride (mg/l)	5.5	7	7.6	17	16	52	58	**300**	**250****
ammonia nitrogen (mg/l as N)	0.07 i	0.1 i	0.26	0.04 i	0.08 i	0.35	1.3	1.8	**NS**
Metals Detected (mg/l)									**MCL Standard**
antimony	0.000086 i	0.000082 i	0.00036 i	0.00032 i	0.0007 i	0.000059 i	0.00016 i	0.00019 i	**0.006***
arsenic	0.00037 i	0.00039 i	0.00035 i	0.00047 i	0.002	0.00031 i	0.0023	0.0034	**0.01***
barium	0.0054	0.0063	0.011	0.053	0.015	0.0036	0.0064	0.017	**2***
cadmium	0.000028 u	0.000054 i	0.00035 i	0.00069	0.00035 i	0.000028 u	0.000028 u	0.000028 u	**0.005***
chromium	0.00075 i	0.0011 i	0.0019 i	0.0025	0.0059	0.00056 i	0.00041 i	0.00071 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	0.00021 i	**140*****
copper	0.00016 i	0.00022 i	0.0021	0.0013	0.0023	0.00011 u	0.00015 i	0.00011 u	**1****
iron	0.12	0.28	**0.41**	**0.99**	**0.42**	**3.3**	**13**	**36**	**0.3****
lead	0.00024 u	0.00024 u	0.0004 i	0.0012	0.0013	0.00024 u	0.00024 u	0.00024 u	**0.015***
mercury	0.00005 u	0.00005 u	0.00005 u	0.00005 u	0.00027	0.00005 u	0.00005 u	0.00005 u	**0.002***
nickel	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00011 u	0.00021 i	0.00011 u	**0.1***
selenium	0.00058 u	0.00058 u	0.0007 i	0.0014 i	0.0021 i	0.00058 u	0.00058 u	0.00058 u	**0.05***
silver	0.000027 u	0.000027 u	0.000027 u	0.000027 u	0.000034 i	0.000027 u	0.000027 u	0.000031 i	**0.1****
sodium	3.8	3.7	4.2	8.6	8.4	16	11	40	**160***
vanadium	0.0035	0.0032	0.017	0.01	0.0066	0.00071 u	0.0014 i	0.0057	**0.049*****
zinc	0.0083 i	0.0073 i	0.017	0.0087 i	0.009 i	0.0058 i	0.0068 i	0.0060 i	**5****
Organic Parameters Detected (ug/l)									**MCL Standard**
acetone	1 u	1 u	1 u	1 u	1 u	1 u	2.4 i	1 u	**6300*****

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

MCL=Maximum Contaminant Level

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

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

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

5.21 : 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
February 7-9, 2017

General Parameters	Mine Cut	Stream-3A	SW-3B2B	Stream-3C2	MCL Standard
conductivity (umhos/cm) (field)	457	367	452	390	1275
dissolved oxygen (mg/l) (field)	0.29	0.09	5.33	7.13	Must Be > OR=5.0
ORP (mV)	-28.6	-217.70	77.20	140.1	NS
temperature (°C) in field	20.92	17.71	22.83	20.83	NS
turbidity (field) (NTU)	20.1	2.47	1.69	1.08	29
pH (field)	6.46	6.53	6.78	7.03	(6.5 - 8.5)
total dissolved solids (mg/l)	260	200	250	240	NS
total suspended solids (mg/l)	15	1 u	2 u	1 u	NS
total nitrogen (mg/l)	1.7	0.15	0.48	0.21	NS
total phosphorous (mg/l)	2.1	1.1	0.28	0.43 j4	NS
biochem. oxygen demand (mg/l)	4.2	2 u	2 u	2 u	NS
chemical oxygen demand (mg/l)	90	58	28 i	45 i	NS
total organic carbon (mg/l as C)	15	12	8.3	9.2	NS
chlorophyll-A (mg/m3)	53	6.7	1 u	1 u	NS
total hardness (mg/l as CaCO)	110	92	96	100	NS
unionized ammonia (mg/l)	0.000037 u	0.000034 u	0.000088 u	0.00014 u	< or = to 0.02
fecal coliform (Col/100ml)	560 B	50 B	224	304	800
Metals Detected (mg/l)					**MCL Standard**
antimony	0.0002 i	0.00011 i	0.000058 i	0.00014 i	< or = to 4.3
arsenic	0.00021 i	0.00027 i	0.00042 i	0.00038 i	< or = to 0.05
barium	0.0048	0.0052	0.015	0.0086	2
cadmium	0.000038 i	0.000028 u	0.000028 u	0.000028 u	NS
chromium	0.00078 i	0.00041 i	0.0006 i	0.0015 i	11
cobalt	0.00019 u	0.0019 u	0.00019 u	0.00019 u	NS
copper	0.00032 i	0.00063 i	0.00029 i	0.00029 u	**
iron	0.36	0.17	0.17	0.085 i	1
nickel	0.00011 u	0.00011 u	0.00072 i	0.00011 u	***
vanadium	0.001 i	0.0019 i	0.00091 i	0.0015 i	NS
zinc	0.0071 i	0.0079 i	0.011	0.045 i	*
Organic Parameters Detected (ug/l)					**MCL Standard**
1,1,2-trichloroethane	2.1	0.4 u	0.4 u	0.4 u	16
acetone	2.4 i	1 u	1 u	1.6 i	1700
carbon tetrachloride	2.3	0.57 u	0.57 u	0.57 u	< or = to 4.42 annual avg.
trans-1,3 dichloropropylene	0.96 i	0.42 u	0.42 u	0.42 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
0.29: 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
February 9, 2017

General Parameters	Holland	Keene, Jr.	Barnes	MCL STANDARD
conductivity (umhos/cm) (field)	473	424	432	NS
dissolved oxygen (mg/l) (field)	0.02	0.11	0.01	NS
ORP (mV)	-154.8	-74.2	-99.3	NS
temperature (°C) (field)	24.14	26.44	23.45	NS
turbidity (NTU) (field)	1.01	0.63	0.55	NS
pH (SU) (field)	7.28	7.62	7.52	(6.5 - 8.5)**
total dissolved solids (mg/l)	240	230	250	500**
chloride (mg/l)	22	15	11	250**
ammonia nitrogen (mg/l as N)	0.03 i	0.17	0.23	NS
Metals Detected (mg/l)				**MCL STANDARD**
arsenic	0.00022 i	0.00049 i	0.000077 u	0.01*
barium	0.0045	0.0038	0.0049	2*
copper	0.0011	0.00011 u	0.00040 i	1**
iron	**1.6**	0.021 u	0.039 i	0.3**
lead	0.00025 i	0.00024 u	0.00024 u	0.015*
nickel	0.006	0.00011 u	0.00011 u	0.1*
sodium	6	7.8	17	160*
zinc	0.038	0.036	0.028	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

1.6 : 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

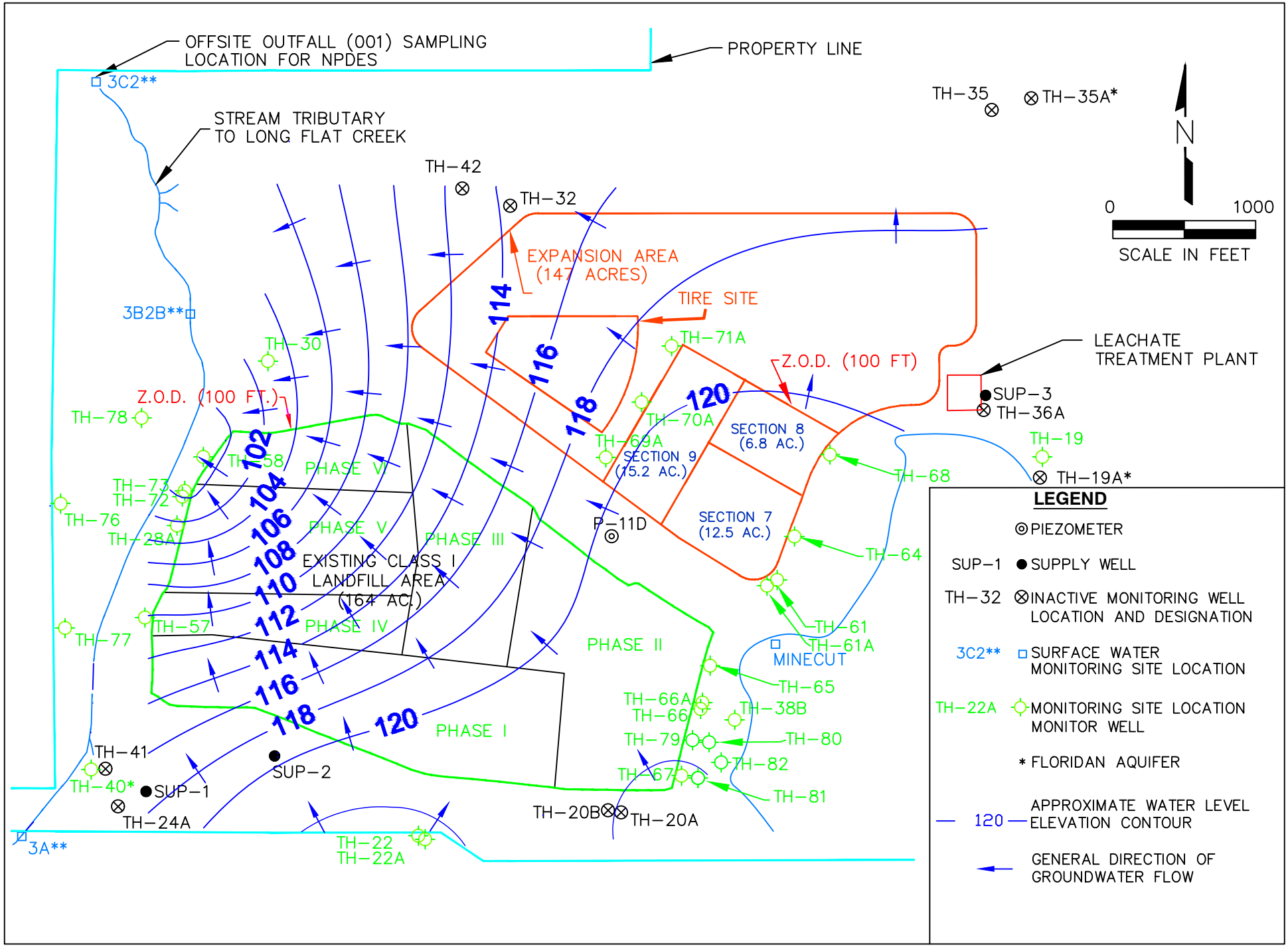
mg/l=milligrams per liter

Southeast County Landfill
Groundwater and Surface Water Elevations
February 6, 2017

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	15.95	122.07	10:21 AM
TH-19*	130.27	102.44	27.83	11:05 AM
TH-20A	131.86	10.45	121.41	11:59 AM
TH-20B	132.57	9.53	123.04	12:01 PM
TH-22	128.82	4.52	124.30	1:25 PM
TH-22A	129.27	5.15	124.12	1:24 PM
TH-24A	128.23	5.30	122.93	9:02 AM
TH-28A	131.10	28.55	102.55	3:00 PM
TH-30	128.88	ND	ND	NA
TH-32	129.90	15.74	114.16	10:00 AM
TH-35	145.98	29.02	116.96	11:18 AM
TH-36A	152.70	33.31	119.39	10:50 AM
TH-38A	130.68	9.58	121.10	12:45 PM
TH-38B	131.81	ND	ND	12:40 PM
TH-40*	124.99	97.77	27.22	9:22 AM
TH-41*	125.00	103.25	21.75	9:08 AM
TH-42*	116.74	73.43	43.31	9:54 AM
TH-57	128.36	19.30	109.06	9:58 AM
TH-58	127.88	28.26	99.62	11:32 AM
TH-61	138.73	18.09	120.64	10:26 AM
TH-61A	139.45	18.71	120.74	10:27 AM
TH-64	139.64	18.50	121.14	12:31 PM
TH-65	135.40	14.94	120.46	12:27 PM
TH-66	130.58	9.56	121.02	12:21 PM
TH-66A	130.66	10.02	120.64	12:23 PM
TH-67	129.51	6.60	122.91	12:06 PM
TH-68	140.01	16.59	123.42	10:46 AM
TH-69A	144.97	25.80	119.17	10:17 AM
TH-70A	146.63	27.10	119.53	10:13 AM
TH-71A	146.95	27.79	119.16	10:08 AM
TH-72*	130.96	99.83	31.13	10:39 AM
TH-73	131.07	31.58	99.49	ND
TH-76*	111.21	80.12	31.09	9:25 AM
TH-77*	119.88	88.64	31.24	9:33 AM
TH-78*	120.75	81.77	38.98	12:09 PM
TH-79	129.60	8.69	120.91	12:16 PM
SW-3A	3.0'=125.53'	1.30	123.83	1:09 PM
SW-3B2B	3.0'=97.97'	ND	ND	9:40 AM
SW-3C2	6.0'=92.33'	1.28	87.61	9:46 AM
Mine Cut #1	4.0'=122.14'	2.25	120.39	12:35 PM
Mine Cut #2	6.0'=123.47'	2.18	119.65	11:10 AM
Mine Cut #3	4.0'=112.27'	2.19	110.46	12:51 PM
Mine Cut #4	5.0'=97.54'	1.58	94.12	12:57 PM

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**

Staff Gauge at Mine Cut #1, #3, #4 locations could not be read due to vegetation



Southeast County Landfill

Surficial Aquifer Groundwater Elevation Contour Diagram – February 6, 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 3B2B 3C2	8:10 a.m. 8:20 a.m. 8:30 a.m.	10.22 No Data 7.44	2" rain on 1/9/2016 Monitoring location was dry
01/30/2016	3A 3B2B 3C2	12:21 p.m. 12:28 p.m. 12:33 p.m.	9.18 No Data 3.39	1.17" rain on 1/28/2016 Monitoring location was dry
05/05/2016	3A 3B2B 3C2	9:50 a.m. 10:00 a.m. 10:10 a.m.	2.98 12.5 2.64	2.6" rain on 5/4/2016
06/06/2016	3A 3B2B 3C2	7:50 a.m. 8:00 a.m. 8:10 a.m.	8.17 3.11 7.11	1.75" rain on 6/5/2016
06/07/2016	3A 3B2B 3C2	1:20 p.m. No Data 1:30 p.m.	14.8 No Data 15.3	1.25" rain on 6/6/2016 SWMG no longer monitoring this location
06/08/2016	3A 3B2B 3C2	8:46 a.m. No Data 8:59 a.m.	4.96 No Data 5.26	1.57" rain on 6/7/2016 SWMG no longer monitoring this location
06/10/2016	3A 3B2B 3C2	8:09 a.m. No Data 8:27 a.m.	3.73 No Data 4.09	2.08" rain on 6/9/2016 SWMG no longer monitoring this location
06/20/2016	3A 3B2B 3C2	8:35 a.m. No Data 8:45 a.m.	3.10 No Data 3.14	1.06" rain on 6/18/2016 SWMG no longer monitoring this location
07/14/2016	3A 3B2B 3C2	7:16 a.m. No Data 7:27 a.m.	4.83 No Data 7.11	1.02" rain on 7/13/2016 SWMG no longer monitoring this location
07/25/2016	3A 3B2B 3C2	8:05 a.m. No Data 8:15 a.m.	2.77 No Data 0.23	1.02" rain on 7/24/2016 SWMG no longer monitoring this location
08/10/2016	3A 3B2B 3C2	9:25 a.m. No Data 9:35 a.m.	15 No Data 3.86	1.12" rain on 8/8/2016 SWMG no longer monitoring this location
09/03/2016	3A 3B2B 3C2	4:52 p.m. No Data 4:59 p.m.	5.02 No Data 3.02	1.5" rain on 9/2/2016 SWMG no longer monitoring this location
10/03/2016	3A 3B2B 3C2	10:40 a.m. No Data 10:50 a.m.	2.4 No Data 1.7	2.25" rain on 10/1/2016 SWMG no longer monitoring this location

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March 14, 2017

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

RE: Workorder: T1702153 SELF Semi-Annual

Dear David Adams:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, February 06, 2017 and Thursday, February 09, 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: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1702153001	Field Blank	Water	2/6/2017 09:35	2/6/2017 16:00
T1702153002	TH-40	Water	2/6/2017 09:39	2/6/2017 16:00
T1702153003	TH-57	Water	2/6/2017 10:08	2/6/2017 16:00
T1702153004	TH-72	Water	2/6/2017 11:12	2/6/2017 16:00
T1702153005	TH-58	Water	2/6/2017 11:47	2/6/2017 16:00
T1702153006	TH-78	Water	2/6/2017 12:44	2/6/2017 16:00
T1702153007	TH-19	Water	2/6/2017 13:24	2/6/2017 16:00
T1702153008	TH-36A	Water	2/6/2017 14:05	2/6/2017 16:00
T1702153009	TH-68	Water	2/6/2017 14:50	2/6/2017 16:00
T1702153010	Trip Blank	Water	2/6/2017 00:00	2/6/2017 16:00
T1702153011	TH-69A	Water	2/7/2017 11:14	2/7/2017 16:27
T1702153012	TH-64	Water	2/7/2017 11:46	2/7/2017 16:27
T1702153013	TH-61A	Water	2/7/2017 12:27	2/7/2017 16:27
T1702153014	TH-61	Water	2/7/2017 12:49	2/7/2017 16:27
T1702153015	TH-65	Water	2/7/2017 13:22	2/7/2017 16:27
T1702153016	TH-28A	Water	2/7/2017 15:01	2/7/2017 16:27
T1702153017	Trip Blank	Water	2/7/2017 00:00	2/7/2017 16:27
T1702153018	Field Blank	Water	2/7/2017 09:43	2/7/2017 16:27
T1702153019	Stream 3A	Water	2/7/2017 09:30	2/7/2017 16:27
T1702153020	Mine Cut	Water	2/7/2017 14:00	2/7/2017 16:27
T1702153021	Stream 3C2	Water	2/7/2017 15:30	2/7/2017 16:27
T1702153022	Field Blank	Water	2/8/2017 09:44	2/8/2017 16:40
T1702153023	TH-66	Water	2/8/2017 10:25	2/8/2017 16:40
T1702153024	TH-66A	Water	2/8/2017 09:45	2/8/2017 16:40
T1702153025	TH-67	Water	2/8/2017 12:03	2/8/2017 16:40
T1702153026	TH-71A	Water	2/8/2017 14:04	2/8/2017 16:40
T1702153027	TH-70A	Water	2/8/2017 14:45	2/8/2017 16:40
T1702153028	TH-22A	Water	2/8/2017 15:37	2/8/2017 16:40
T1702153029	Trip Blank	Water	2/8/2017 00:00	2/8/2017 16:40
T1702153030	Duplicate	Water	2/8/2017 00:00	2/8/2017 16:40
T1702153031	Holland	Water	2/9/2017 12:49	2/9/2017 17:01
T1702153032	Barnes	Water	2/9/2017 13:22	2/9/2017 17:01
T1702153033	Keene	Water	2/9/2017 13:49	2/9/2017 17:01
T1702153034	3B2B	Water	2/9/2017 15:25	2/9/2017 17:01
T1702153035	Stream 3C2	Water	2/9/2017 12:10	2/9/2017 17:01

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153001** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/06/17 09:35

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	2/8/2017 22:12	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	2/8/2017 22:12	T
Sodium	**0.048**	**I**	**mg/L**	**1**	0.20	0.042	2/8/2017 22:12	T
Zinc	**7.8**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 22:12	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	2/14/2017 12:23	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:10	J
Barium	**0.12**	**U**	**ug/L**	**1**	0.60	0.12	2/10/2017 15:10	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:10	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:10	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:10	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:10	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:10	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:10	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:10	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/14/2017 12:23	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:10	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:10	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.072**	**I**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	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	2/14/2017 09:05	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 09:05	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 09:05	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 09:05	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 09:05	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:05	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 09:05	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153001** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/06/17 09:35

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	2/14/2017 09:05	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 09:05	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:05	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 09:05	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 09:05	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 09:05	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 09:05	T
Acetone	**12**		**ug/L**	**1**	5.0	1.0	2/14/2017 09:05	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 09:05	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 09:05	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 09:05	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:05	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 09:05	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 09:05	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:05	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 09:05	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:05	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 09:05	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 09:05	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:05	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:05	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:05	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 09:05	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 09:05	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 09:05	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:05	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 09:05	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 09:05	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 09:05	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:05	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 09:05	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 09:05	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 09:05	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 09:05	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 09:05	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 09:05	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 09:05	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 09:05	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		2/14/2017 09:05	
Toluene-d8 (S)	**105**		**%**	**1**	77-119		2/14/2017 09:05	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153001** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/06/17 09:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		2/14/2017 09:05	
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	2/14/2017 09:05	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 09:05	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-130		2/14/2017 09:05	
Toluene-d8 (S)	**105**		**%**	**1**	70-130		2/14/2017 09:05	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		2/14/2017 09:05	
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	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**12**	**U**	**mg/L**	**1.25**	12	12	2/10/2017 17:14	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	2/16/2017 14:41	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:33	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153002** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 02/06/17 09:39

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	**453**		**umhos/cm**	**1**			2/6/2017 09:39	
Dissolved Oxygen	**0.2**		**mg/L**	**1**			2/6/2017 09:39	
ORP-2580BW	**-66.4**		**mV**	**1**			2/6/2017 09:39	
Temperature	**23.46**		**°C**	**1**			2/6/2017 09:39	
Turbidity	**0.55**		**NTU**	**1**			2/6/2017 09:39	
pH	**8.01**		**SU**	**1**			2/6/2017 09:39	
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	2/8/2017 22:22	T
Iron	**31**	**I**	**ug/L**	**1**	100	21	2/8/2017 22:22	T
Sodium	**16**		**mg/L**	**1**	0.20	0.042	2/8/2017 22:22	T
Zinc	**7.8**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 22:22	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 14:45	J
Arsenic	**0.083**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 14:45	J
Barium	**5.5**		**ug/L**	**1**	0.60	0.12	2/10/2017 14:45	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 14:45	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/10/2017 14:45	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 14:45	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 14:45	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 14:45	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 14:45	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 14:45	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 14:45	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 14:45	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 14:45	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153002** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 02/06/17 09:39

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	2/14/2017 09:31	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 09:31	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 09:31	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 09:31	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 09:31	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:31	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 09:31	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 09:31	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 09:31	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:31	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 09:31	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 09:31	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 09:31	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 09:31	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 09:31	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 09:31	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 09:31	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 09:31	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:31	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 09:31	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 09:31	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:31	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 09:31	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:31	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 09:31	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 09:31	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:31	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:31	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:31	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 09:31	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 09:31	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 09:31	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:31	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 09:31	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 09:31	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 09:31	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:31	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153002** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-40** Date Collected: 02/06/17 09:39

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	2/14/2017 09:31	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 09:31	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 09:31	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 09:31	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 09:31	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 09:31	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 09:31	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 09:31	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		2/14/2017 09:31	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		2/14/2017 09:31	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		2/14/2017 09:31	
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	2/14/2017 09:31	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 09:31	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-130		2/14/2017 09:31	
Toluene-d8 (S)	**107**		**%**	**1**	70-130		2/14/2017 09:31	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		2/14/2017 09:31	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.26**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**220**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:43	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:39	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153003** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 02/06/17 10:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**309**		**umhos/cm**	**1**			2/6/2017 10:08	
Dissolved Oxygen	**0.23**		**mg/L**	**1**			2/6/2017 10:08	
ORP-2580BW	**-187.3**		**mV**	**1**			2/6/2017 10:08	
Temperature	**27.65**		**°C**	**1**			2/6/2017 10:08	
Turbidity	**0.58**		**NTU**	**1**			2/6/2017 10:08	
pH	**5.25**		**SU**	**1**			2/6/2017 10:08	
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	2/8/2017 22:26	T
Iron	**310**		**ug/L**	**1**	100	21	2/8/2017 22:26	T
Sodium	**13**		**mg/L**	**1**	0.20	0.042	2/8/2017 22:26	T
Zinc	**6.8**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 22:26	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	2/10/2017 15:14	J
Arsenic	**0.13**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:14	J
Barium	**11**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:14	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:14	J
Chromium	**0.42**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:14	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:14	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:14	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:14	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:14	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:14	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:14	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:14	J
Vanadium	**0.73**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:14	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153003** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 02/06/17 10:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/14/2017 09:57	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 09:57	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 09:57	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 09:57	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 09:57	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:57	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 09:57	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 09:57	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 09:57	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:57	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 09:57	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 09:57	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 09:57	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 09:57	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 09:57	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 09:57	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 09:57	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 09:57	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:57	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 09:57	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 09:57	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 09:57	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 09:57	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:57	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 09:57	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 09:57	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 09:57	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 09:57	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 09:57	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 09:57	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 09:57	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 09:57	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:57	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 09:57	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 09:57	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 09:57	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 09:57	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153003** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-57** Date Collected: 02/06/17 10:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 09:57	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 09:57	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 09:57	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 09:57	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 09:57	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 09:57	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 09:57	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 09:57	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-128		2/14/2017 09:57	
Toluene-d8 (S)	**106**		**%**	**1**	77-119		2/14/2017 09:57	
Bromofluorobenzene (S)	**100**		**%**	**1**	86-123		2/14/2017 09:57	
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	2/14/2017 09:57	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 09:57	T
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-130		2/14/2017 09:57	
Toluene-d8 (S)	**106**		**%**	**1**	70-130		2/14/2017 09:57	
Bromofluorobenzene (S)	**100**		**%**	**1**	70-130		2/14/2017 09:57	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.0**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**68**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:44	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:38	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153004** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 02/06/17 11:12

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	**2070**		**umhos/cm**	**1**			2/6/2017 11:12	
Dissolved Oxygen	**0.82**		**mg/L**	**1**			2/6/2017 11:12	
ORP-2580BW	**-159**		**mV**	**1**			2/6/2017 11:12	
Temperature	**23.54**		**°C**	**1**			2/6/2017 11:12	
Turbidity	**0.82**		**NTU**	**1**			2/6/2017 11:12	
pH	**7.2**		**SU**	**1**			2/6/2017 11:12	
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.22**	**U**	**ug/L**	**2**	1.2	0.22	2/9/2017 12:29	T
Iron	**620**		**ug/L**	**2**	200	43	2/9/2017 12:29	T
Sodium	**150**		**mg/L**	**2**	0.40	0.084	2/9/2017 12:29	T
Zinc	**6.5**	**I**	**ug/L**	**2**	20	3.9	2/9/2017 12:29	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.081**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 15:18	J
Arsenic	**0.22**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:18	J
Barium	**33**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:18	J
Cadmium	**0.029**	**I**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:18	J
Chromium	**0.46**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:18	J
Cobalt	**0.22**	**I**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:18	J
Copper	**0.13**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:18	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:18	J
Nickel	**1.3**		**ug/L**	**1**	0.80	0.11	2/10/2017 15:18	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:18	J
Silver	**0.042**	**I**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:18	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:18	J
Vanadium	**0.83**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:18	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153004** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 02/06/17 11:12

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	2/14/2017 16:01	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 16:01	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 16:01	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 16:01	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 16:01	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 16:01	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 16:01	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 16:01	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 16:01	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 16:01	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 16:01	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 16:01	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 16:01	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 16:01	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 16:01	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 16:01	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 16:01	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 16:01	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 16:01	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 16:01	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 16:01	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 16:01	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 16:01	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 16:01	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 16:01	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 16:01	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 16:01	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 16:01	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 16:01	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 16:01	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 16:01	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 16:01	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 16:01	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 16:01	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 16:01	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 16:01	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 16:01	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153004** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 02/06/17 11:12

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	2/14/2017 16:01	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 16:01	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 16:01	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 16:01	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 16:01	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 16:01	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 16:01	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 16:01	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-128		2/14/2017 16:01	
Toluene-d8 (S)	**103**		**%**	**1**	77-119		2/14/2017 16:01	
Bromofluorobenzene (S)	**107**		**%**	**1**	86-123		2/14/2017 16:01	
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	2/14/2017 16:01	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 16:01	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-130		2/14/2017 16:01	
Toluene-d8 (S)	**103**		**%**	**1**	70-130		2/14/2017 16:01	
Bromofluorobenzene (S)	**107**		**%**	**1**	70-130		2/14/2017 16:01	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**12**		**mg/L**	**5**	0.50	0.12	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1000**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**380**		**mg/L**	**5**	25	13	2/16/2017 15:26	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:36	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153005** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 02/06/17 11:47

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	**402**		**umhos/cm**	**1**			2/6/2017 11:47	
Dissolved Oxygen	**1.08**		**mg/L**	**1**			2/6/2017 11:47	
ORP-2580BW	**-60.4**		**mV**	**1**			2/6/2017 11:47	
Temperature	**26.73**		**°C**	**1**			2/6/2017 11:47	
Turbidity	**2.92**		**NTU**	**1**			2/6/2017 11:47	
pH	**6.1**		**SU**	**1**			2/6/2017 11:47	
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	2/8/2017 22:52	T
Iron	**5100**		**ug/L**	**1**	100	21	2/8/2017 22:52	T
Sodium	**8.3**		**mg/L**	**1**	0.20	0.042	2/8/2017 22:52	T
Zinc	**6.0**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 22:52	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	2/10/2017 15:21	J
Arsenic	**16**		**ug/L**	**1**	1.0	0.077	2/10/2017 15:21	J
Barium	**14**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:21	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:21	J
Chromium	**1.6**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:21	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:21	J
Copper	**0.24**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:21	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:21	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:21	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:21	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:21	J
Thallium	**0.20**	**I**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:21	J
Vanadium	**4.3**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:21	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153005** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 02/06/17 11:47

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	2/14/2017 16:27	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 16:27	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 16:27	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 16:27	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 16:27	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 16:27	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 16:27	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 16:27	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 16:27	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 16:27	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 16:27	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 16:27	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 16:27	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 16:27	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 16:27	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 16:27	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 16:27	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 16:27	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 16:27	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 16:27	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 16:27	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 16:27	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 16:27	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 16:27	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 16:27	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 16:27	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 16:27	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 16:27	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 16:27	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 16:27	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 16:27	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 16:27	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 16:27	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 16:27	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 16:27	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 16:27	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 16:27	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153005** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 02/06/17 11:47

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	2/14/2017 16:27	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 16:27	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 16:27	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 16:27	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 16:27	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 16:27	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 16:27	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 16:27	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		2/14/2017 16:27	
Toluene-d8 (S)	**104**		**%**	**1**	77-119		2/14/2017 16:27	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		2/14/2017 16:27	
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	2/14/2017 16:27	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 16:27	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		2/14/2017 16:27	
Toluene-d8 (S)	**104**		**%**	**1**	70-130		2/14/2017 16:27	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		2/14/2017 16:27	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.1**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**17**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:45	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:35	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153006** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 02/06/17 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**568**		**umhos/cm**	**1**			2/6/2017 12:44	
Dissolved Oxygen	**0.13**		**mg/L**	**1**			2/6/2017 12:44	
ORP-2580BW	**-201.6**		**mV**	**1**			2/6/2017 12:44	
Temperature	**23.13**		**°C**	**1**			2/6/2017 12:44	
Turbidity	**1.88**		**NTU**	**1**			2/6/2017 12:44	
pH	**9.16**		**SU**	**1**			2/6/2017 12:44	
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	2/8/2017 22:56	T
Iron	**220**		**ug/L**	**1**	100	21	2/8/2017 22:56	T
Sodium	**31**		**mg/L**	**1**	0.20	0.042	2/8/2017 22:56	T
Zinc	**7.1**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 22:56	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	2/10/2017 15:25	J
Arsenic	**0.15**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:25	J
Barium	**86**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:25	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:25	J
Chromium	**0.19**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:25	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:25	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:25	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:25	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:25	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:25	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:25	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:25	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:25	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153006** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 02/06/17 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/14/2017 21:24	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 21:24	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 21:24	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 21:24	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 21:24	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 21:24	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 21:24	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 21:24	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 21:24	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 21:24	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 21:24	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 21:24	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 21:24	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 21:24	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 21:24	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 21:24	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 21:24	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 21:24	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 21:24	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 21:24	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 21:24	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 21:24	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 21:24	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 21:24	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 21:24	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 21:24	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 21:24	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 21:24	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 21:24	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 21:24	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 21:24	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 21:24	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 21:24	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 21:24	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 21:24	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 21:24	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 21:24	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153006** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-78** Date Collected: 02/06/17 12:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 21:24	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 21:24	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 21:24	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 21:24	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 21:24	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 21:24	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 21:24	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 21:24	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		2/14/2017 21:24	
Toluene-d8 (S)	**107**		**%**	**1**	77-119		2/14/2017 21:24	
Bromofluorobenzene (S)	**92**		**%**	**1**	86-123		2/14/2017 21:24	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 21:24	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 21:24	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		2/14/2017 21:24	
Toluene-d8 (S)	**107**		**%**	**1**	70-130		2/14/2017 21:24	
Bromofluorobenzene (S)	**92**		**%**	**1**	70-130		2/14/2017 21:24	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.23**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**280**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**33**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:46	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:31	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153007** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-19** Date Collected: 02/06/17 13:24

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	**472**		**umhos/cm**	**1**			2/6/2017 13:24	
Dissolved Oxygen	**0.16**		**mg/L**	**1**			2/6/2017 13:24	
ORP-2580BW	**-120.4**		**mV**	**1**			2/6/2017 13:24	
Temperature	**23.46**		**°C**	**1**			2/6/2017 13:24	
Turbidity	**0.49**		**NTU**	**1**			2/6/2017 13:24	
pH	**7.21**		**SU**	**1**			2/6/2017 13:24	
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	2/8/2017 23:00	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	2/8/2017 23:00	T
Sodium	**14**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:00	T
Zinc	**6.2**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:00	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	2/10/2017 15:28	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:28	J
Barium	**5.2**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:28	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:28	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:28	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:28	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:28	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:28	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:28	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:28	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:28	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:28	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:28	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153007** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-19** Date Collected: 02/06/17 13:24

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	2/14/2017 21:50	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 21:50	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 21:50	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 21:50	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 21:50	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 21:50	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 21:50	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 21:50	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 21:50	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 21:50	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 21:50	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 21:50	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 21:50	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 21:50	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 21:50	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 21:50	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 21:50	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 21:50	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 21:50	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 21:50	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 21:50	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 21:50	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 21:50	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 21:50	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 21:50	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 21:50	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 21:50	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 21:50	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 21:50	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 21:50	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 21:50	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 21:50	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 21:50	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 21:50	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 21:50	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 21:50	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 21:50	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153007** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-19** Date Collected: 02/06/17 13:24

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	2/14/2017 21:50	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 21:50	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 21:50	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 21:50	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 21:50	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 21:50	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 21:50	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 21:50	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/14/2017 21:50	
Toluene-d8 (S)	**106**		**%**	**1**	77-119		2/14/2017 21:50	
Bromofluorobenzene (S)	**96**		**%**	**1**	86-123		2/14/2017 21:50	
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	2/14/2017 21:50	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 21:50	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/14/2017 21:50	
Toluene-d8 (S)	**106**		**%**	**1**	70-130		2/14/2017 21:50	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		2/14/2017 21:50	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.20**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**230**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.1**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:46	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/7/2017 13:46	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153008** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-36A** Date Collected: 02/06/17 14:05

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	**212**		**umhos/cm**	**1**			2/6/2017 14:05	
Dissolved Oxygen	**0.99**		**mg/L**	**1**			2/6/2017 14:05	
ORP-2580BW	**8.3**		**mV**	**1**			2/6/2017 14:05	
Temperature	**25.42**		**°C**	**1**			2/6/2017 14:05	
Turbidity	**6.84**		**NTU**	**1**			2/6/2017 14:05	
pH	**5.42**		**SU**	**1**			2/6/2017 14:05	
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	2/8/2017 23:04	T
Iron	**120**		**ug/L**	**1**	100	21	2/8/2017 23:04	T
Sodium	**3.8**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:04	T
Zinc	**8.3**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:04	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.086**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 15:32	J
Arsenic	**0.37**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:32	J
Barium	**5.4**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:32	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:32	J
Chromium	**0.75**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:32	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:32	J
Copper	**0.16**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:32	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:32	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:32	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:32	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:32	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:32	J
Vanadium	**3.5**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:32	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153008** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-36A** Date Collected: 02/06/17 14:05

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	2/14/2017 17:56	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/14/2017 17:56	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/14/2017 17:56	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/14/2017 17:56	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/14/2017 17:56	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 17:56	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/14/2017 17:56	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/14/2017 17:56	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/14/2017 17:56	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 17:56	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/14/2017 17:56	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/14/2017 17:56	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/14/2017 17:56	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/14/2017 17:56	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 17:56	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/14/2017 17:56	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/14/2017 17:56	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/14/2017 17:56	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 17:56	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/14/2017 17:56	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/14/2017 17:56	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/14/2017 17:56	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/14/2017 17:56	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 17:56	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/14/2017 17:56	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/14/2017 17:56	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/14/2017 17:56	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/14/2017 17:56	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/14/2017 17:56	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/14/2017 17:56	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/14/2017 17:56	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/14/2017 17:56	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 17:56	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/14/2017 17:56	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/14/2017 17:56	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/14/2017 17:56	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/14/2017 17:56	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153008** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-36A** Date Collected: 02/06/17 14:05

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	2/14/2017 17:56	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/14/2017 17:56	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/14/2017 17:56	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/14/2017 17:56	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/14/2017 17:56	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/14/2017 17:56	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/14/2017 17:56	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/14/2017 17:56	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/14/2017 17:56	
Toluene-d8 (S)	**104**		**%**	**1**	77-119		2/14/2017 17:56	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/14/2017 17:56	
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	2/14/2017 17:56	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/14/2017 17:56	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/14/2017 17:56	
Toluene-d8 (S)	**104**		**%**	**1**	70-130		2/14/2017 17:56	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/14/2017 17:56	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.07**	**I**	**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**92**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.5**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:47	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:03	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153009** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-68** Date Collected: 02/06/17 14:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**287**		**umhos/cm**	**1**			2/6/2017 14:50	
Dissolved Oxygen	**1.88**		**mg/L**	**1**			2/6/2017 14:50	
ORP-2580BW	**99.7**		**mV**	**1**			2/6/2017 14:50	
Temperature	**26.88**		**°C**	**1**			2/6/2017 14:50	
Turbidity	**66.2**		**NTU**	**1**			2/6/2017 14:50	
pH	**5.24**		**SU**	**1**			2/6/2017 14:50	
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	2/8/2017 23:08	T
Iron	**420**		**ug/L**	**1**	100	21	2/8/2017 23:08	T
Sodium	**8.4**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:08	T
Zinc	**9.0**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:08	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.70**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 15:36	J
Arsenic	**2.0**		**ug/L**	**1**	1.0	0.077	2/10/2017 15:36	J
Barium	**15**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:36	J
Cadmium	**0.35**	**I**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:36	J
Chromium	**5.9**		**ug/L**	**1**	2.0	0.11	2/10/2017 15:36	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:36	J
Copper	**2.3**		**ug/L**	**1**	0.70	0.11	2/10/2017 15:36	J
Lead	**1.3**		**ug/L**	**1**	0.70	0.24	2/10/2017 15:36	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:36	J
Selenium	**2.1**	**I**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:36	J
Silver	**0.034**	**I**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:36	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:36	J
Vanadium	**6.6**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:36	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.27**		**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153009** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-68** Date Collected: 02/06/17 14:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/19/2017 07:42	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/19/2017 07:42	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/19/2017 07:42	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/19/2017 07:42	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/19/2017 07:42	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/19/2017 07:42	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/19/2017 07:42	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/19/2017 07:42	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/19/2017 07:42	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/19/2017 07:42	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/19/2017 07:42	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/19/2017 07:42	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/19/2017 07:42	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/19/2017 07:42	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/19/2017 07:42	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/19/2017 07:42	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/19/2017 07:42	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/19/2017 07:42	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/19/2017 07:42	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/19/2017 07:42	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/19/2017 07:42	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/19/2017 07:42	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/19/2017 07:42	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/19/2017 07:42	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/19/2017 07:42	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/19/2017 07:42	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/19/2017 07:42	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/19/2017 07:42	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/19/2017 07:42	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/19/2017 07:42	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/19/2017 07:42	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/19/2017 07:42	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/19/2017 07:42	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/19/2017 07:42	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/19/2017 07:42	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/19/2017 07:42	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/19/2017 07:42	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153009** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **TH-68** Date Collected: 02/06/17 14:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/19/2017 07:42	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/19/2017 07:42	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/19/2017 07:42	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/19/2017 07:42	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/19/2017 07:42	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/19/2017 07:42	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/19/2017 07:42	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/19/2017 07:42	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		2/19/2017 07:42	
Toluene-d8 (S)	**103**		**%**	**1**	77-119		2/19/2017 07:42	
Bromofluorobenzene (S)	**101**		**%**	**1**	86-123		2/19/2017 07:42	
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	2/19/2017 07:42	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/19/2017 07:42	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-130		2/19/2017 07:42	
Toluene-d8 (S)	**103**		**%**	**1**	70-130		2/19/2017 07:42	
Bromofluorobenzene (S)	**101**		**%**	**1**	70-130		2/19/2017 07:42	
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	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1.25**	12	12	2/10/2017 17:14	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**16**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:50	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:04	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153010** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/06/17 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	2/18/2017 00:32	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 00:32	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 00:32	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 00:32	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 00:32	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:32	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 00:32	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 00:32	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 00:32	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:32	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 00:32	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 00:32	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 00:32	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 00:32	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:32	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 00:32	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 00:32	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 00:32	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:32	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 00:32	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 00:32	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:32	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 00:32	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:32	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 00:32	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 00:32	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:32	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:32	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:32	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 00:32	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 00:32	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:32	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 00:32	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 00:32	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 00:32	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 00:32	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153010** Date Received: 02/06/17 16:00 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/06/17 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	2/18/2017 00:32	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 00:32	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 00:32	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 00:32	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 00:32	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 00:32	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 00:32	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 00:32	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 00:32	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-128		2/18/2017 00:32	
Toluene-d8 (S)	**105**		**%**	**1**	77-119		2/18/2017 00:32	
Bromofluorobenzene (S)	**100**		**%**	**1**	86-123		2/18/2017 00:32	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 00:32	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 00:32	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-130		2/18/2017 00:32	
Toluene-d8 (S)	**105**		**%**	**1**	70-130		2/18/2017 00:32	
Bromofluorobenzene (S)	**100**		**%**	**1**	70-130		2/18/2017 00:32	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153011** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-69A** Date Collected: 02/07/17 11:14

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	**545**		**umhos/cm**	**1**			2/7/2017 11:14	
Dissolved Oxygen	**0.51**		**mg/L**	**1**			2/7/2017 11:14	
ORP-2580BW	**-45.4**		**mV**	**1**			2/7/2017 11:14	
Temperature	**25.64**		**°C**	**1**			2/7/2017 11:14	
Turbidity	**1.73**		**NTU**	**1**			2/7/2017 11:14	
pH	**6.23**		**SU**	**1**			2/7/2017 11:14	
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	2/8/2017 23:12	T
Iron	**3300**		**ug/L**	**1**	100	21	2/8/2017 23:12	T
Sodium	**16**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:12	T
Zinc	**5.8**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:12	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.059**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 15:47	J
Arsenic	**0.31**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:47	J
Barium	**3.6**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:47	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:47	J
Chromium	**0.56**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:47	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:47	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:47	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:47	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:47	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:47	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:47	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:47	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 15:47	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153011** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-69A** Date Collected: 02/07/17 11:14

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	2/18/2017 00:58	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 00:58	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 00:58	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 00:58	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 00:58	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:58	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 00:58	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 00:58	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 00:58	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:58	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 00:58	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 00:58	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 00:58	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 00:58	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:58	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 00:58	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 00:58	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 00:58	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:58	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 00:58	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 00:58	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:58	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 00:58	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:58	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 00:58	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 00:58	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:58	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:58	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:58	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 00:58	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 00:58	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:58	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 00:58	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 00:58	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 00:58	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 00:58	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 00:58	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153011** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-69A** Date Collected: 02/07/17 11:14

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	2/18/2017 00:58	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 00:58	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 00:58	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 00:58	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 00:58	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 00:58	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 00:58	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 00:58	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		2/18/2017 00:58	
Toluene-d8 (S)	**103**		**%**	**1**	77-119		2/18/2017 00:58	
Bromofluorobenzene (S)	**93**		**%**	**1**	86-123		2/18/2017 00:58	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 00:58	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 00:58	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-130		2/18/2017 00:58	
Toluene-d8 (S)	**103**		**%**	**1**	70-130		2/18/2017 00:58	
Bromofluorobenzene (S)	**93**		**%**	**1**	70-130		2/18/2017 00:58	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.35**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**230**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**52**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:53	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:05	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153012** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-64** Date Collected: 02/07/17 11:46

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	**296**		**umhos/cm**	**1**			2/7/2017 11:46	
Dissolved Oxygen	**0.77**		**mg/L**	**1**			2/7/2017 11:46	
ORP-2580BW	**16.3**		**mV**	**1**			2/7/2017 11:46	
Temperature	**26.17**		**°C**	**1**			2/7/2017 11:46	
Turbidity	**138**		**NTU**	**1**			2/7/2017 11:46	
pH	**5.13**		**SU**	**1**			2/7/2017 11:46	
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	2/8/2017 23:16	T
Iron	**990**		**ug/L**	**1**	100	21	2/8/2017 23:16	T
Sodium	**8.6**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:16	T
Zinc	**8.7**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:16	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	2/10/2017 15:50	J
Arsenic	**0.47**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:50	J
Barium	**53**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:50	J
Cadmium	**0.69**		**ug/L**	**1**	0.50	0.028	2/10/2017 15:50	J
Chromium	**2.5**		**ug/L**	**1**	2.0	0.11	2/10/2017 15:50	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:50	J
Copper	**1.3**		**ug/L**	**1**	0.70	0.11	2/10/2017 15:50	J
Lead	**1.2**		**ug/L**	**1**	0.70	0.24	2/10/2017 15:50	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:50	J
Selenium	**1.4**	**I**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:50	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:50	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:50	J
Vanadium	**10**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:50	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153012** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-64** Date Collected: 02/07/17 11:46

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	2/18/2017 01:24	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 01:24	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 01:24	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 01:24	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 01:24	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 01:24	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 01:24	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 01:24	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 01:24	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 01:24	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 01:24	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 01:24	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 01:24	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 01:24	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 01:24	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 01:24	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 01:24	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 01:24	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 01:24	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 01:24	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 01:24	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 01:24	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 01:24	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 01:24	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 01:24	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 01:24	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 01:24	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 01:24	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 01:24	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 01:24	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 01:24	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 01:24	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 01:24	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 01:24	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 01:24	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 01:24	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 01:24	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153012** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-64** Date Collected: 02/07/17 11:46

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	2/18/2017 01:24	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 01:24	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 01:24	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 01:24	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 01:24	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 01:24	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 01:24	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 01:24	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/18/2017 01:24	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		2/18/2017 01:24	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		2/18/2017 01:24	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 01:24	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 01:24	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/18/2017 01:24	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		2/18/2017 01:24	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		2/18/2017 01:24	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.04**	**I**	**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**120**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**17**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:54	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:06	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153013** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61A** Date Collected: 02/07/17 12:27

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	**320**		**umhos/cm**	**1**			2/7/2017 12:27	
Dissolved Oxygen	**1.31**		**mg/L**	**1**			2/7/2017 12:27	
ORP-2580BW	**-162.1**		**mV**	**1**			2/7/2017 12:27	
Temperature	**26.08**		**°C**	**1**			2/7/2017 12:27	
Turbidity	**8.75**		**NTU**	**1**			2/7/2017 12:27	
pH	**5.91**		**SU**	**1**			2/7/2017 12:27	
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	2/8/2017 23:20	T
Iron	**410**		**ug/L**	**1**	100	21	2/8/2017 23:20	T
Sodium	**4.2**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:20	T
Zinc	**17**		**ug/L**	**1**	10	2.0	2/8/2017 23:20	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	2/10/2017 15:54	J
Arsenic	**0.35**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:54	J
Barium	**11**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:54	J
Cadmium	**0.35**	**I**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:54	J
Chromium	**1.9**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:54	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:54	J
Copper	**2.1**		**ug/L**	**1**	0.70	0.11	2/10/2017 15:54	J
Lead	**0.40**	**I**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:54	J
Nickel	**2.4**		**ug/L**	**1**	0.80	0.11	2/10/2017 15:54	J
Selenium	**0.70**	**I**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:54	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:54	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:54	J
Vanadium	**17**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:54	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153013** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61A** Date Collected: 02/07/17 12:27

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	2/18/2017 01:49	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 01:49	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 01:49	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 01:49	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 01:49	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 01:49	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 01:49	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 01:49	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 01:49	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 01:49	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 01:49	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 01:49	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 01:49	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 01:49	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 01:49	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 01:49	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 01:49	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 01:49	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 01:49	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 01:49	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 01:49	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 01:49	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 01:49	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 01:49	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 01:49	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 01:49	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 01:49	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 01:49	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 01:49	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 01:49	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 01:49	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 01:49	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 01:49	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 01:49	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 01:49	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 01:49	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 01:49	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153013** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61A** Date Collected: 02/07/17 12:27

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	2/18/2017 01:49	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 01:49	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 01:49	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 01:49	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 01:49	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 01:49	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 01:49	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 01:49	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-128		2/18/2017 01:49	
Toluene-d8 (S)	**104**		**%**	**1**	77-119		2/18/2017 01:49	
Bromofluorobenzene (S)	**94**		**%**	**1**	86-123		2/18/2017 01:49	
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	2/18/2017 01:49	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 01:49	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-130		2/18/2017 01:49	
Toluene-d8 (S)	**104**		**%**	**1**	70-130		2/18/2017 01:49	
Bromofluorobenzene (S)	**94**		**%**	**1**	70-130		2/18/2017 01:49	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.26**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.6**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:54	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:07	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153014** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61** Date Collected: 02/07/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**155**		**umhos/cm**	**1**			2/7/2017 12:49	
Dissolved Oxygen	**0.36**		**mg/L**	**1**			2/7/2017 12:49	
ORP-2580BW	**-133.6**		**mV**	**1**			2/7/2017 12:49	
Temperature	**25.84**		**°C**	**1**			2/7/2017 12:49	
Turbidity	**2.42**		**NTU**	**1**			2/7/2017 12:49	
pH	**5.6**		**SU**	**1**			2/7/2017 12:49	
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	2/8/2017 23:24	T
Iron	**280**		**ug/L**	**1**	100	21	2/8/2017 23:24	T
Sodium	**3.7**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:24	T
Zinc	**7.3**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:24	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.082**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 15:58	J
Arsenic	**0.39**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 15:58	J
Barium	**6.3**		**ug/L**	**1**	0.60	0.12	2/10/2017 15:58	J
Cadmium	**0.054**	**I**	**ug/L**	**1**	0.50	0.028	2/10/2017 15:58	J
Chromium	**1.1**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 15:58	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 15:58	J
Copper	**0.22**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 15:58	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 15:58	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 15:58	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 15:58	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 15:58	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 15:58	J
Vanadium	**3.2**		**ug/L**	**1**	2.0	0.71	2/10/2017 15:58	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	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153014** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61** Date Collected: 02/07/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 02:15	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 02:15	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 02:15	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 02:15	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 02:15	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 02:15	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 02:15	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 02:15	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 02:15	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 02:15	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 02:15	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 02:15	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 02:15	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 02:15	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 02:15	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 02:15	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 02:15	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 02:15	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 02:15	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 02:15	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 02:15	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 02:15	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 02:15	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 02:15	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 02:15	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 02:15	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 02:15	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 02:15	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 02:15	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 02:15	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 02:15	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 02:15	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 02:15	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 02:15	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 02:15	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 02:15	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 02:15	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153014** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-61** Date Collected: 02/07/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 02:15	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 02:15	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 02:15	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 02:15	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 02:15	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 02:15	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 02:15	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 02:15	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		2/18/2017 02:15	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		2/18/2017 02:15	
Bromofluorobenzene (S)	**94**		**%**	**1**	86-123		2/18/2017 02:15	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 02:15	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 02:15	T
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-130		2/18/2017 02:15	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		2/18/2017 02:15	
Bromofluorobenzene (S)	**94**		**%**	**1**	70-130		2/18/2017 02:15	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.10**	**I**	**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**75**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.0**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:55	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:08	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153015** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-65** Date Collected: 02/07/17 13:22

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	**262**		**umhos/cm**	**1**			2/7/2017 13:22	
Dissolved Oxygen	**0.34**		**mg/L**	**1**			2/7/2017 13:22	
ORP-2580BW	**-152.3**		**mV**	**1**			2/7/2017 13:22	
Temperature	**25.15**		**°C**	**1**			2/7/2017 13:22	
Turbidity	**3.15**		**NTU**	**1**			2/7/2017 13:22	
pH	**5.57**		**SU**	**1**			2/7/2017 13:22	
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	2/8/2017 23:28	T
Iron	**590**		**ug/L**	**1**	100	21	2/8/2017 23:28	T
Sodium	**11**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:28	T
Zinc	**9.1**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:28	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.084**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 16:01	J
Arsenic	**19**		**ug/L**	**1**	1.0	0.077	2/10/2017 16:01	J
Barium	**1.1**		**ug/L**	**1**	0.60	0.12	2/10/2017 16:01	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:01	J
Chromium	**2.0**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:01	J
Cobalt	**1.6**		**ug/L**	**1**	0.50	0.19	2/10/2017 16:01	J
Copper	**0.18**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:01	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:01	J
Nickel	**1.5**		**ug/L**	**1**	0.80	0.11	2/10/2017 16:01	J
Selenium	**0.87**	**I**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:01	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:01	J
Thallium	**0.66**		**ug/L**	**1**	0.20	0.057	2/10/2017 16:01	J
Vanadium	**4.1**		**ug/L**	**1**	2.0	0.71	2/10/2017 16:01	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153015** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-65** Date Collected: 02/07/17 13:22

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	2/18/2017 02:41	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 02:41	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 02:41	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 02:41	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 02:41	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 02:41	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 02:41	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 02:41	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 02:41	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 02:41	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 02:41	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 02:41	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 02:41	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 02:41	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 02:41	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 02:41	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 02:41	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 02:41	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 02:41	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 02:41	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 02:41	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 02:41	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 02:41	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 02:41	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 02:41	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 02:41	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 02:41	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 02:41	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 02:41	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 02:41	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 02:41	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 02:41	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 02:41	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 02:41	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 02:41	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 02:41	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 02:41	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153015** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-65** Date Collected: 02/07/17 13:22

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	2/18/2017 02:41	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 02:41	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 02:41	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 02:41	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 02:41	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 02:41	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 02:41	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 02:41	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		2/18/2017 02:41	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		2/18/2017 02:41	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		2/18/2017 02:41	
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	2/18/2017 02:41	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 02:41	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-130		2/18/2017 02:41	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		2/18/2017 02:41	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		2/18/2017 02:41	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.2**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**130**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**21**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:55	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:09	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153016** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-28A** Date Collected: 02/07/17 15:01

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	**298**		**umhos/cm**	**1**			2/7/2017 15:01	
Dissolved Oxygen	**1.28**		**mg/L**	**1**			2/7/2017 15:01	
ORP-2580BW	**-77.2**		**mV**	**1**			2/7/2017 15:01	
Temperature	**27.11**		**°C**	**1**			2/7/2017 15:01	
Turbidity	**3.78**		**NTU**	**1**			2/7/2017 15:01	
pH	**5.24**		**SU**	**1**			2/7/2017 15:01	
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	2/8/2017 23:47	T
Iron	**3500**		**ug/L**	**1**	100	21	2/8/2017 23:47	T
Sodium	**18**		**mg/L**	**1**	0.20	0.042	2/8/2017 23:47	T
Zinc	**8.1**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:47	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	2/10/2017 16:05	J
Arsenic	**1.5**		**ug/L**	**1**	1.0	0.077	2/10/2017 16:05	J
Barium	**1.1**		**ug/L**	**1**	0.60	0.12	2/10/2017 16:05	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:05	J
Chromium	**0.91**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:05	J
Cobalt	**0.46**	**I**	**ug/L**	**1**	0.50	0.19	2/10/2017 16:05	J
Copper	**0.23**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:05	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:05	J
Nickel	**0.20**	**I**	**ug/L**	**1**	0.80	0.11	2/10/2017 16:05	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:05	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:05	J
Thallium	**0.088**	**I**	**ug/L**	**1**	0.20	0.057	2/10/2017 16:05	J
Vanadium	**1.3**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 16:05	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153016** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-28A** Date Collected: 02/07/17 15:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 03:07	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 03:07	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 03:07	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:07	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 03:07	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:07	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 03:07	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 03:07	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 03:07	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:07	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 03:07	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 03:07	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 03:07	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 03:07	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 03:07	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 03:07	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 03:07	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 03:07	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:07	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 03:07	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 03:07	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:07	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 03:07	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:07	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 03:07	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 03:07	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:07	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:07	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:07	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 03:07	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 03:07	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 03:07	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 03:07	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 03:07	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 03:07	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 03:07	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 03:07	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153016** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **TH-28A** Date Collected: 02/07/17 15:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:07	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 03:07	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 03:07	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 03:07	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 03:07	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 03:07	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 03:07	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 03:07	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-128		2/18/2017 03:07	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		2/18/2017 03:07	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 03:07	
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	2/18/2017 03:07	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 03:07	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-130		2/18/2017 03:07	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		2/18/2017 03:07	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 03:07	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.6**		**mg/L**	**1**	0.10	0.02	2/10/2017 12:52	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**130**		**mg/L**	**1.25**	12	12	2/13/2017 12:53	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**57**		**mg/L**	**1**	5.0	2.6	2/16/2017 14:56	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.39**		**mg/L**	**1**	0.20	0.18	2/8/2017 12:16	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153017** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/07/17 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	2/18/2017 03:33	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 03:33	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 03:33	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:33	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 03:33	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:33	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 03:33	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 03:33	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 03:33	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:33	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 03:33	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 03:33	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 03:33	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 03:33	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 03:33	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 03:33	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 03:33	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 03:33	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:33	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 03:33	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 03:33	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:33	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 03:33	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:33	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 03:33	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 03:33	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:33	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:33	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:33	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 03:33	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 03:33	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 03:33	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 03:33	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 03:33	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 03:33	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 03:33	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153017** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/07/17 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	2/18/2017 03:33	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:33	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 03:33	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 03:33	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 03:33	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 03:33	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 03:33	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 03:33	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 03:33	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/18/2017 03:33	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/18/2017 03:33	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		2/18/2017 03:33	
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	2/18/2017 03:33	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 03:33	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/18/2017 03:33	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/18/2017 03:33	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		2/18/2017 03:33	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153018** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/07/17 09:43

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	2/8/2017 23:50	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	2/8/2017 23:50	T
Zinc	**7.7**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:50	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	2/10/2017 16:09	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/10/2017 16:09	J
Barium	**0.12**	**U**	**ug/L**	**1**	0.60	0.12	2/10/2017 16:09	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:09	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:09	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 16:09	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:09	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:09	J
Nickel	**1.6**		**ug/L**	**1**	0.80	0.11	2/10/2017 16:09	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:09	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:09	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 16:09	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/10/2017 16:09	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	2/10/2017 14:26	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**1**	**U**	**#/100 mL**	**1**	1	1	2/7/2017 17:15	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	2/18/2017 03:59	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 03:59	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 03:59	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153018** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/07/17 09:43

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:59	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 03:59	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:59	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 03:59	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 03:59	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 03:59	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:59	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 03:59	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 03:59	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 03:59	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 03:59	T
Acetone	**15**		**ug/L**	**1**	5.0	1.0	2/18/2017 03:59	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 03:59	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 03:59	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 03:59	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:59	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 03:59	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 03:59	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 03:59	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 03:59	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:59	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 03:59	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 03:59	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 03:59	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 03:59	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 03:59	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 03:59	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 03:59	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 03:59	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 03:59	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 03:59	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 03:59	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 03:59	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 03:59	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 03:59	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 03:59	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 03:59	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 03:59	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 03:59	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 03:59	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153018** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/07/17 09:43

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 03:59	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 03:59	T
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	70-128		2/18/2017 03:59	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		2/18/2017 03:59	
Bromofluorobenzene (S)	**99**		**%**	**1**	86-123		2/18/2017 03:59	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 03:59	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 03:59	T
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	70-130		2/18/2017 03:59	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		2/18/2017 03:59	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		2/18/2017 03:59	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.79**		**mg/L**	**1**	0.10	0.10	3/9/2017 14:30	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	2/10/2017 12:52	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.14**		**mg/L**	**1**	0.10	0.046	2/8/2017 15:58	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**24**	**U**	**mg/L**	**1**	50	24	2/14/2017 14:13	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	2/21/2017 10:20	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**2.6**	**U**	**mg/L**	**1**	10	2.6	2/13/2017 13:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**12**	**U**	**mg/L**	**1.25**	12	12	2/14/2017 15:20	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153018** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/07/17 09:43

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	2/9/2017 08:01	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:17	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	2/8/2017 17:24	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**0.25**	**U**	**mg/L**	**1**	1.0	0.25	2/10/2017 15:16	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153019** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 02/07/17 09:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**367**		**umhos/cm**	**1**			2/7/2017 09:30	
Dissolved Oxygen	**0.09**		**mg/L**	**1**			2/7/2017 09:30	
ORP-2580BW	**-217.7**		**mV**	**1**			2/7/2017 09:30	
Temperature	**17.71**		**°C**	**1**			2/7/2017 09:30	
Turbidity	**2.47**		**NTU**	**1**			2/7/2017 09:30	
pH	**6.53**		**SU**	**1**			2/7/2017 09:30	
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	2/8/2017 23:54	T
Iron	**170**		**ug/L**	**1**	100	21	2/8/2017 23:54	T
Zinc	**7.9**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:54	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.11**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 16:12	J
Arsenic	**0.27**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 16:12	J
Barium	**5.2**		**ug/L**	**1**	0.60	0.12	2/10/2017 16:12	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:12	J
Chromium	**0.41**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:12	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 16:12	J
Copper	**0.63**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:12	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:12	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 16:12	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:12	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:12	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 16:12	J
Vanadium	**1.9**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 16:12	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	2/10/2017 14:26	T
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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153019** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 02/07/17 09:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**50**	**B**	**#/100 mL**	**10**	10	10	2/7/2017 17:15	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	2/18/2017 04:25	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 04:25	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 04:25	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 04:25	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 04:25	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 04:25	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 04:25	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 04:25	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 04:25	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 04:25	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 04:25	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 04:25	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 04:25	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 04:25	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 04:25	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 04:25	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 04:25	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 04:25	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 04:25	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 04:25	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 04:25	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 04:25	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 04:25	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 04:25	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 04:25	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 04:25	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 04:25	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 04:25	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 04:25	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 04:25	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 04:25	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 04:25	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153019** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 02/07/17 09:30

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	2/18/2017 04:25	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 04:25	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 04:25	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 04:25	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 04:25	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 04:25	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 04:25	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 04:25	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 04:25	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 04:25	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 04:25	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 04:25	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 04:25	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/18/2017 04:25	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/18/2017 04:25	
Bromofluorobenzene (S)	**96**		**%**	**1**	86-123		2/18/2017 04:25	
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	2/18/2017 04:25	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 04:25	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/18/2017 04:25	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/18/2017 04:25	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		2/18/2017 04:25	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.15**		**mg/L**	**1**	0.10	0.10	3/7/2017 15:45	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000034**	**U**	**mg/L**	**1**	0.10	0.000034	2/10/2017 12:52	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**1.1**		**mg/L**	**1**	0.10	0.046	2/8/2017 15:58	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**58**		**mg/L**	**1**	50	24	2/14/2017 14:13	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153019** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 02/07/17 09:30

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	**6.7**		**ug/L**	**1**	1.0	1.0	2/21/2017 10:20	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**92**		**mg/L**	**1**	10	2.6	2/13/2017 13:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**200**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	2/9/2017 08:01	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:18	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	2/8/2017 17:35	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**12**		**mg/L**	**1**	1.0	0.25	2/10/2017 15:16	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153020** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Mine Cut** Date Collected: 02/07/17 14:00

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	**457**		**umhos/cm**	**1**			2/7/2017 14:00	
Dissolved Oxygen	**0.29**		**mg/L**	**1**			2/7/2017 14:00	
ORP-2580BW	**-28.6**		**mV**	**1**			2/7/2017 14:00	
Temperature	**20.92**		**°C**	**1**			2/7/2017 14:00	
Turbidity	**20.1**		**NTU**	**1**			2/7/2017 14:00	
pH	**6.46**		**SU**	**1**			2/7/2017 14:00	
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	2/8/2017 23:58	T
Iron	**360**		**ug/L**	**1**	100	21	2/8/2017 23:58	T
Zinc	**7.1**	**I**	**ug/L**	**1**	10	2.0	2/8/2017 23:58	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.20**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 16:16	J
Arsenic	**0.21**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 16:16	J
Barium	**4.8**		**ug/L**	**1**	0.60	0.12	2/10/2017 16:16	J
Cadmium	**0.038**	**I**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:16	J
Chromium	**0.78**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:16	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 16:16	J
Copper	**0.32**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:16	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:16	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 16:16	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:16	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:16	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 16:16	J
Vanadium	**1.0**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 16:16	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	2/10/2017 14:26	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153020** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Mine Cut** Date Collected: 02/07/17 14:00

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	**560**	**B**	**#/100 mL**	**10**	10	10	2/7/2017 17:15	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	2/18/2017 04:51	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 04:51	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 04:51	T
1,1,2-Trichloroethane	**2.1**		**ug/L**	**1**	1.0	0.40	2/18/2017 04:51	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 04:51	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 04:51	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 04:51	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 04:51	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 04:51	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 04:51	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 04:51	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 04:51	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 04:51	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 04:51	T
Acetone	**2.4**	**I**	**ug/L**	**1**	5.0	1.0	2/18/2017 04:51	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 04:51	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 04:51	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 04:51	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 04:51	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 04:51	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 04:51	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 04:51	T
Carbon Tetrachloride	**2.3**		**ug/L**	**1**	1.0	0.57	2/18/2017 04:51	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 04:51	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 04:51	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 04:51	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 04:51	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 04:51	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 04:51	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 04:51	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 04:51	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 04:51	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153020** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Mine Cut** Date Collected: 02/07/17 14:00

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	2/18/2017 04:51	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 04:51	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 04:51	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 04:51	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 04:51	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 04:51	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 04:51	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 04:51	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 04:51	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 04:51	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 04:51	T
trans-1,3-Dichloropropylene	**0.96**	**I**	**ug/L**	**1**	5.0	0.42	2/18/2017 04:51	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 04:51	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-128		2/18/2017 04:51	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		2/18/2017 04:51	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		2/18/2017 04:51	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 04:51	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 04:51	T
1,2-Dichloroethane-d4 (S)	**109**		**%**	**1**	70-130		2/18/2017 04:51	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		2/18/2017 04:51	
Bromofluorobenzene (S)	**104**		**%**	**1**	70-130		2/18/2017 04:51	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**1.7**		**mg/L**	**1**	0.10	0.10	3/7/2017 15:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000037**	**U**	**mg/L**	**1**	0.10	0.000037	2/10/2017 12:52	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**2.1**		**mg/L**	**1**	0.10	0.046	2/8/2017 15:58	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**90**		**mg/L**	**1**	50	24	2/14/2017 14:13	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153020** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Mine Cut** Date Collected: 02/07/17 14:00

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	**53**		**ug/L**	**1**	1.0	1.0	2/21/2017 10:20	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**110**		**mg/L**	**1**	10	2.6	2/13/2017 13:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**260**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**15**		**mg/L**	**2**	2.0	2.0	2/9/2017 08:01	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:21	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**4.2**		**mg/L**	**1**	2.0	2.0	2/8/2017 17:42	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**15**		**mg/L**	**1**	1.0	0.25	2/10/2017 15:16	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153021** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 02/07/17 15:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**390**		**umhos/cm**	**1**			2/7/2017 15:30	
Dissolved Oxygen	**7.13**		**mg/L**	**1**			2/7/2017 15:30	
ORP-2580BW	**140.1**		**mV**	**1**			2/7/2017 15:30	
Temperature	**20.83**		**°C**	**1**			2/7/2017 15:30	
Turbidity	**1.08**		**NTU**	**1**			2/7/2017 15:30	
pH	**7.03**		**SU**	**1**			2/7/2017 15:30	
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	2/9/2017 00:02	T
Iron	**85**	**I**	**ug/L**	**1**	100	21	2/9/2017 00:02	T
Zinc	**45**		**ug/L**	**1**	10	2.0	2/9/2017 00:02	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.14**	**I**	**ug/L**	**1**	0.70	0.046	2/10/2017 16:20	J
Arsenic	**0.38**	**I**	**ug/L**	**1**	1.0	0.077	2/10/2017 16:20	J
Barium	**8.6**		**ug/L**	**1**	0.60	0.12	2/10/2017 16:20	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/10/2017 16:20	J
Chromium	**1.5**	**I**	**ug/L**	**1**	2.0	0.11	2/10/2017 16:20	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/10/2017 16:20	J
Copper	**0.29**	**I**	**ug/L**	**1**	0.70	0.11	2/10/2017 16:20	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/10/2017 16:20	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/10/2017 16:20	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/10/2017 16:20	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/10/2017 16:20	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/10/2017 16:20	J
Vanadium	**1.5**	**I**	**ug/L**	**1**	2.0	0.71	2/10/2017 16:20	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/10/2017 14:26	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153021** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 02/07/17 15:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.43**	**J4**	**mg/L**	**1**	0.10	0.046	2/8/2017 15:58	T
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 05:16	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 05:16	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 05:16	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 05:16	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 05:16	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 05:16	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 05:16	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 05:16	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 05:16	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 05:16	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 05:16	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 05:16	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 05:16	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 05:16	T
Acetone	**1.6**	**I**	**ug/L**	**1**	5.0	1.0	2/18/2017 05:16	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 05:16	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 05:16	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 05:16	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 05:16	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 05:16	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 05:16	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 05:16	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 05:16	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 05:16	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 05:16	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 05:16	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 05:16	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 05:16	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 05:16	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 05:16	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 05:16	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 05:16	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 05:16	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153021** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 02/07/17 15:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 05:16	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 05:16	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 05:16	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 05:16	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 05:16	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 05:16	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 05:16	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 05:16	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 05:16	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 05:16	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 05:16	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 05:16	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-128		2/18/2017 05:16	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/18/2017 05:16	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 05:16	
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	2/18/2017 05:16	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 05:16	T
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	70-130		2/18/2017 05:16	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/18/2017 05:16	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 05:16	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.21**		**mg/L**	**1**	0.10	0.10	3/7/2017 15:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00014**	**U**	**mg/L**	**1**	0.10	0.00014	2/10/2017 12:52	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45**	**I**	**mg/L**	**1**	50	24	2/14/2017 14:13	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	2/21/2017 10:20	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153021** Date Received: 02/07/17 16:27 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 02/07/17 15:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**100**		**mg/L**	**1**	10	2.6	2/13/2017 13:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	2/9/2017 08:01	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/8/2017 12:22	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	2/8/2017 17:29	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**9.2**		**mg/L**	**1**	1.0	0.25	2/10/2017 15:16	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153022** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/08/17 09:44

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	2/13/2017 13:26	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	2/13/2017 13:26	T
Sodium	**0.042**	**U**	**mg/L**	**1**	0.20	0.042	2/13/2017 13:26	T
Zinc	**9.2**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 13:26	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	2/14/2017 13:47	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/14/2017 13:47	J
Barium	**0.12**	**U**	**ug/L**	**1**	0.60	0.12	2/14/2017 13:47	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 13:47	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/14/2017 13:47	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/14/2017 13:47	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/14/2017 13:47	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 13:47	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/14/2017 13:47	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 13:47	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/14/2017 13:47	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 13:47	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/14/2017 13:47	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/21/2017 11:39	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	2/18/2017 05:42	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 05:42	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 05:42	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 05:42	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 05:42	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 05:42	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 05:42	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153022** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/08/17 09:44

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	2/18/2017 05:42	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 05:42	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 05:42	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 05:42	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 05:42	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 05:42	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 05:42	T
Acetone	**11**		**ug/L**	**1**	5.0	1.0	2/18/2017 05:42	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 05:42	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 05:42	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 05:42	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 05:42	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 05:42	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 05:42	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 05:42	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 05:42	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 05:42	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 05:42	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 05:42	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 05:42	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 05:42	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 05:42	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 05:42	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 05:42	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 05:42	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 05:42	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 05:42	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 05:42	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 05:42	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 05:42	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 05:42	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 05:42	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 05:42	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 05:42	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 05:42	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 05:42	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 05:42	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 05:42	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		2/18/2017 05:42	
Toluene-d8 (S)	**103**		**%**	**1**	77-119		2/18/2017 05:42	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153022** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Field Blank** Date Collected: 02/08/17 09:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 05:42	
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	2/18/2017 05:42	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 05:42	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-130		2/18/2017 05:42	
Toluene-d8 (S)	**103**		**%**	**1**	70-130		2/18/2017 05:42	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 05:42	
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	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**12**	**U**	**mg/L**	**1.25**	12	12	2/14/2017 15:20	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	2/16/2017 15:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:45	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153023** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66** Date Collected: 02/08/17 10:25

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	**337**		**umhos/cm**	**1**			2/8/2017 10:25	
Dissolved Oxygen	**0.28**		**mg/L**	**1**			2/8/2017 10:25	
ORP-2580BW	**-12.4**		**mV**	**1**			2/8/2017 10:25	
Temperature	**24.09**		**°C**	**1**			2/8/2017 10:25	
Turbidity	**6.17**		**NTU**	**1**			2/8/2017 10:25	
pH	**5.97**		**SU**	**1**			2/8/2017 10:25	
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	2/13/2017 13:38	T
Iron	**3600**		**ug/L**	**1**	100	21	2/13/2017 13:38	T
Sodium	**6.3**		**mg/L**	**1**	0.20	0.042	2/13/2017 13:38	T
Zinc	**7.0**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 13:38	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.12**	**I**	**ug/L**	**1**	0.70	0.046	2/14/2017 13:51	J
Arsenic	**3.2**		**ug/L**	**1**	1.0	0.077	2/14/2017 13:51	J
Barium	**2.2**		**ug/L**	**1**	0.60	0.12	2/14/2017 13:51	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 13:51	J
Chromium	**0.83**	**I**	**ug/L**	**1**	2.0	0.11	2/14/2017 13:51	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/14/2017 13:51	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/14/2017 13:51	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 13:51	J
Nickel	**0.27**	**I**	**ug/L**	**1**	0.80	0.11	2/14/2017 13:51	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 13:51	J
Silver	**0.029**	**I**	**ug/L**	**1**	0.50	0.027	2/14/2017 13:51	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 13:51	J
Vanadium	**1.6**	**I**	**ug/L**	**1**	2.0	0.71	2/14/2017 13:51	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153023** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66** Date Collected: 02/08/17 10:25

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	2/18/2017 06:08	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 06:08	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 06:08	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 06:08	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 06:08	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 06:08	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 06:08	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 06:08	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 06:08	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 06:08	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 06:08	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 06:08	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 06:08	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 06:08	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 06:08	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 06:08	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 06:08	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 06:08	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 06:08	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 06:08	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 06:08	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 06:08	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 06:08	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 06:08	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 06:08	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 06:08	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 06:08	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 06:08	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 06:08	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 06:08	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 06:08	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 06:08	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 06:08	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 06:08	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 06:08	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 06:08	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 06:08	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153023** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66** Date Collected: 02/08/17 10:25

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	2/18/2017 06:08	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 06:08	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 06:08	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 06:08	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 06:08	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 06:08	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 06:08	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 06:08	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		2/18/2017 06:08	
Toluene-d8 (S)	**106**		**%**	**1**	77-119		2/18/2017 06:08	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 06:08	
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	2/18/2017 06:08	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 06:08	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		2/18/2017 06:08	
Toluene-d8 (S)	**106**		**%**	**1**	70-130		2/18/2017 06:08	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 06:08	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.46**		**mg/L**	**1**	0.10	0.02	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**43**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:15	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:47	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153024** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66A** Date Collected: 02/08/17 09:45

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	**580**		**umhos/cm**	**1**			2/8/2017 09:45	
Dissolved Oxygen	**0.64**		**mg/L**	**1**			2/8/2017 09:45	
ORP-2580BW	**-69.2**		**mV**	**1**			2/8/2017 09:45	
Temperature	**23.68**		**°C**	**1**			2/8/2017 09:45	
Turbidity	**1.06**		**NTU**	**1**			2/8/2017 09:45	
pH	**6.18**		**SU**	**1**			2/8/2017 09:45	
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	2/13/2017 13:42	T
Iron	**820**		**ug/L**	**1**	100	21	2/13/2017 13:42	T
Sodium	**22**		**mg/L**	**1**	0.20	0.042	2/13/2017 13:42	T
Zinc	**6.8**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 13:42	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.54**	**I**	**ug/L**	**1**	0.70	0.046	2/14/2017 13:54	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/14/2017 13:54	J
Barium	**3.4**		**ug/L**	**1**	0.60	0.12	2/14/2017 13:54	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 13:54	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/14/2017 13:54	J
Cobalt	**0.53**		**ug/L**	**1**	0.50	0.19	2/14/2017 13:54	J
Copper	**0.48**	**I**	**ug/L**	**1**	0.70	0.11	2/14/2017 13:54	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 13:54	J
Nickel	**1.8**		**ug/L**	**1**	0.80	0.11	2/14/2017 13:54	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 13:54	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/14/2017 13:54	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 13:54	J
Vanadium	**20**		**ug/L**	**1**	2.0	0.71	2/14/2017 13:54	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153024** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66A** Date Collected: 02/08/17 09:45

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	2/19/2017 05:58	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/19/2017 05:58	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/19/2017 05:58	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/19/2017 05:58	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/19/2017 05:58	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/19/2017 05:58	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/19/2017 05:58	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/19/2017 05:58	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/19/2017 05:58	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/19/2017 05:58	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/19/2017 05:58	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/19/2017 05:58	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/19/2017 05:58	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/19/2017 05:58	T
Acetone	**4.6**	**I**	**ug/L**	**1**	5.0	1.0	2/19/2017 05:58	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/19/2017 05:58	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/19/2017 05:58	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/19/2017 05:58	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/19/2017 05:58	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/19/2017 05:58	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/19/2017 05:58	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/19/2017 05:58	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/19/2017 05:58	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/19/2017 05:58	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/19/2017 05:58	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/19/2017 05:58	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/19/2017 05:58	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/19/2017 05:58	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/19/2017 05:58	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/19/2017 05:58	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/19/2017 05:58	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/19/2017 05:58	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/19/2017 05:58	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/19/2017 05:58	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/19/2017 05:58	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/19/2017 05:58	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/19/2017 05:58	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153024** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-66A** Date Collected: 02/08/17 09:45

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	2/19/2017 05:58	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/19/2017 05:58	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/19/2017 05:58	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/19/2017 05:58	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/19/2017 05:58	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/19/2017 05:58	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/19/2017 05:58	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/19/2017 05:58	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-128		2/19/2017 05:58	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/19/2017 05:58	
Bromofluorobenzene (S)	**96**		**%**	**1**	86-123		2/19/2017 05:58	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/19/2017 05:58	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/19/2017 05:58	T
1,2-Dichloroethane-d4 (S)	**110**		**%**	**1**	70-130		2/19/2017 05:58	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/19/2017 05:58	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		2/19/2017 05:58	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.47**		**mg/L**	**1**	0.10	0.02	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**76**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:16	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:46	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153025** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-67** Date Collected: 02/08/17 12:03

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	**3830**		**umhos/cm**	**1**			2/8/2017 12:03	
Dissolved Oxygen	**2.13**		**mg/L**	**1**			2/8/2017 12:03	
ORP-2580BW	**-41.7**		**mV**	**1**			2/8/2017 12:03	
Temperature	**24.52**		**°C**	**1**			2/8/2017 12:03	
Turbidity	**8.72**		**NTU**	**1**			2/8/2017 12:03	
pH	**6.44**		**SU**	**1**			2/8/2017 12:03	
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.56**	**U**	**ug/L**	**5**	3.0	0.56	2/13/2017 14:15	T
Iron	**28000**		**ug/L**	**5**	500	110	2/13/2017 14:15	T
Sodium	**300**		**mg/L**	**5**	1.0	0.21	2/13/2017 14:15	T
Zinc	**9.8**	**U**	**ug/L**	**5**	50	9.8	2/13/2017 14:15	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.22**	**I**	**ug/L**	**1**	0.70	0.046	2/14/2017 13:58	J
Arsenic	**0.55**	**I**	**ug/L**	**1**	1.0	0.077	2/14/2017 13:58	J
Barium	**10**		**ug/L**	**1**	0.60	0.12	2/14/2017 13:58	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 13:58	J
Chromium	**1.4**	**I**	**ug/L**	**1**	2.0	0.11	2/14/2017 13:58	J
Cobalt	**2.8**		**ug/L**	**1**	0.50	0.19	2/14/2017 13:58	J
Copper	**0.18**	**I**	**ug/L**	**1**	0.70	0.11	2/14/2017 13:58	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 13:58	J
Nickel	**14**		**ug/L**	**1**	0.80	0.11	2/14/2017 13:58	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 13:58	J
Silver	**0.078**	**I**	**ug/L**	**1**	0.50	0.027	2/14/2017 13:58	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 13:58	J
Vanadium	**7.1**		**ug/L**	**1**	2.0	0.71	2/14/2017 13:58	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153025** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-67** Date Collected: 02/08/17 12:03

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	2/18/2017 10:01	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 10:01	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 10:01	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 10:01	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 10:01	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:01	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 10:01	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 10:01	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 10:01	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:01	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 10:01	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 10:01	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 10:01	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 10:01	T
Acetone	**6.3**		**ug/L**	**1**	5.0	1.0	2/18/2017 10:01	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 10:01	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 10:01	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 10:01	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:01	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 10:01	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 10:01	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:01	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 10:01	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:01	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 10:01	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 10:01	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:01	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:01	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:01	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 10:01	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 10:01	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 10:01	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:01	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 10:01	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 10:01	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 10:01	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:01	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153025** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-67** Date Collected: 02/08/17 12:03

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	2/18/2017 10:01	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 10:01	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 10:01	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 10:01	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 10:01	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 10:01	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 10:01	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 10:01	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		2/18/2017 10:01	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		2/18/2017 10:01	
Bromofluorobenzene (S)	**95**		**%**	**1**	86-123		2/18/2017 10:01	
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	2/18/2017 10:01	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 10:01	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-130		2/18/2017 10:01	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		2/18/2017 10:01	
Bromofluorobenzene (S)	**95**		**%**	**1**	70-130		2/18/2017 10:01	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**12**		**mg/L**	**5**	0.50	0.12	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1800**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**870**		**mg/L**	**26.6667**	130	68	2/16/2017 17:22	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:44	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153026** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-71A** Date Collected: 02/08/17 14:04

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	**1578**		**umhos/cm**	**1**			2/8/2017 14:04	
Dissolved Oxygen	**0.2**		**mg/L**	**1**			2/8/2017 14:04	
ORP-2580BW	**-42.8**		**mV**	**1**			2/8/2017 14:04	
Temperature	**24.73**		**°C**	**1**			2/8/2017 14:04	
Turbidity	**5.65**		**NTU**	**1**			2/8/2017 14:04	
pH	**6.22**		**SU**	**1**			2/8/2017 14:04	
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	2/13/2017 14:05	T
Iron	**36000**		**ug/L**	**1**	100	21	2/13/2017 14:05	T
Sodium	**40**		**mg/L**	**1**	0.20	0.042	2/13/2017 14:05	T
Zinc	**6.0**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 14:05	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.19**	**I**	**ug/L**	**1**	0.70	0.046	2/14/2017 14:02	J
Arsenic	**3.4**		**ug/L**	**1**	1.0	0.077	2/14/2017 14:02	J
Barium	**17**		**ug/L**	**1**	0.60	0.12	2/14/2017 14:02	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 14:02	J
Chromium	**0.71**	**I**	**ug/L**	**1**	2.0	0.11	2/14/2017 14:02	J
Cobalt	**0.21**	**I**	**ug/L**	**1**	0.50	0.19	2/14/2017 14:02	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/14/2017 14:02	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 14:02	J
Nickel	**1.4**		**ug/L**	**1**	0.80	0.11	2/14/2017 14:02	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 14:02	J
Silver	**0.031**	**I**	**ug/L**	**1**	0.50	0.027	2/14/2017 14:02	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 14:02	J
Vanadium	**5.7**		**ug/L**	**1**	2.0	0.71	2/14/2017 14:02	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153026** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-71A** Date Collected: 02/08/17 14:04

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	2/18/2017 10:27	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 10:27	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 10:27	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 10:27	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 10:27	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:27	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 10:27	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 10:27	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 10:27	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:27	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 10:27	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 10:27	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 10:27	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 10:27	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 10:27	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 10:27	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 10:27	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 10:27	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:27	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 10:27	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 10:27	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:27	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 10:27	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:27	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 10:27	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 10:27	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:27	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:27	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:27	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 10:27	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 10:27	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 10:27	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:27	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 10:27	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 10:27	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 10:27	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:27	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153026** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-71A** Date Collected: 02/08/17 14:04

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	2/18/2017 10:27	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 10:27	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 10:27	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 10:27	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 10:27	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 10:27	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 10:27	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 10:27	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-128		2/18/2017 10:27	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		2/18/2017 10:27	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 10:27	
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	2/18/2017 10:27	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 10:27	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-130		2/18/2017 10:27	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		2/18/2017 10:27	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 10:27	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.8**		**mg/L**	**1**	0.10	0.02	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**880**		**mg/L**	**1.25**	12	12	2/14/2017 15:20	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**300**		**mg/L**	**1**	5.0	2.6	2/16/2017 17:01	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:39	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153027** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-70A** Date Collected: 02/08/17 14:45

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	**673**		**umhos/cm**	**1**			2/8/2017 14:45	
Dissolved Oxygen	**1.53**		**mg/L**	**1**			2/8/2017 14:45	
ORP-2580BW	**-1.9**		**mV**	**1**			2/8/2017 14:45	
Temperature	**26.15**		**°C**	**1**			2/8/2017 14:45	
Turbidity	**42.4**		**NTU**	**1**			2/8/2017 14:45	
pH	**6.38**		**SU**	**1**			2/8/2017 14:45	
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	2/13/2017 14:09	T
Iron	**13000**		**ug/L**	**1**	100	21	2/13/2017 14:09	T
Sodium	**11**		**mg/L**	**1**	0.20	0.042	2/13/2017 14:09	T
Zinc	**6.8**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 14:09	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.16**	**I**	**ug/L**	**1**	0.70	0.046	2/14/2017 14:05	J
Arsenic	**2.3**		**ug/L**	**1**	1.0	0.077	2/14/2017 14:05	J
Barium	**6.4**		**ug/L**	**1**	0.60	0.12	2/14/2017 14:05	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 14:05	J
Chromium	**0.41**	**I**	**ug/L**	**1**	2.0	0.11	2/14/2017 14:05	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/14/2017 14:05	J
Copper	**0.15**	**I**	**ug/L**	**1**	0.70	0.11	2/14/2017 14:05	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/14/2017 14:05	J
Nickel	**0.21**	**I**	**ug/L**	**1**	0.80	0.11	2/14/2017 14:05	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 14:05	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/14/2017 14:05	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 14:05	J
Vanadium	**1.4**	**I**	**ug/L**	**1**	2.0	0.71	2/14/2017 14:05	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153027** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-70A** Date Collected: 02/08/17 14:45

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	2/18/2017 10:53	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 10:53	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 10:53	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 10:53	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 10:53	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:53	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 10:53	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 10:53	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 10:53	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:53	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 10:53	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 10:53	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 10:53	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 10:53	T
Acetone	**2.4**	**I**	**ug/L**	**1**	5.0	1.0	2/18/2017 10:53	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 10:53	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 10:53	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 10:53	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:53	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 10:53	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 10:53	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 10:53	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 10:53	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:53	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 10:53	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 10:53	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 10:53	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 10:53	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 10:53	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 10:53	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 10:53	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 10:53	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:53	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 10:53	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 10:53	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 10:53	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 10:53	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153027** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-70A** Date Collected: 02/08/17 14:45

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	2/18/2017 10:53	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 10:53	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 10:53	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 10:53	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 10:53	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 10:53	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 10:53	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 10:53	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		2/18/2017 10:53	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		2/18/2017 10:53	
Bromofluorobenzene (S)	**95**		**%**	**1**	86-123		2/18/2017 10:53	
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	2/18/2017 10:53	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 10:53	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-130		2/18/2017 10:53	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		2/18/2017 10:53	
Bromofluorobenzene (S)	**95**		**%**	**1**	70-130		2/18/2017 10:53	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.3**		**mg/L**	**1**	0.10	0.02	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**300**		**mg/L**	**1.25**	12	12	2/15/2017 17:54	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**58**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:18	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:37	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153028** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-22A** Date Collected: 02/08/17 15:37

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	**217**		**umhos/cm**	**1**			2/8/2017 15:37	
Dissolved Oxygen	**0.18**		**mg/L**	**1**			2/8/2017 15:37	
ORP-2580BW	**36.2**		**mV**	**1**			2/8/2017 15:37	
Temperature	**21.47**		**°C**	**1**			2/8/2017 15:37	
Turbidity	**12**		**NTU**	**1**			2/8/2017 15:37	
pH	**4.71**		**SU**	**1**			2/8/2017 15:37	
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	2/13/2017 14:17	T
Iron	**1400**		**ug/L**	**1**	100	21	2/13/2017 14:17	T
Sodium	**3.7**		**mg/L**	**1**	0.20	0.042	2/13/2017 14:17	T
Zinc	**7.9**	**I**	**ug/L**	**1**	10	2.0	2/13/2017 14:17	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	2/14/2017 14:09	J
Arsenic	**0.34**	**I**	**ug/L**	**1**	1.0	0.077	2/14/2017 14:09	J
Barium	**41**		**ug/L**	**1**	0.60	0.12	2/14/2017 14:09	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/14/2017 14:09	J
Chromium	**2.7**		**ug/L**	**1**	2.0	0.11	2/14/2017 14:09	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/14/2017 14:09	J
Copper	**0.22**	**I**	**ug/L**	**1**	0.70	0.11	2/14/2017 14:09	J
Lead	**0.65**	**I**	**ug/L**	**1**	0.70	0.24	2/14/2017 14:09	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/14/2017 14:09	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/14/2017 14:09	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/14/2017 14:09	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/14/2017 14:09	J
Vanadium	**2.0**	**I**	**ug/L**	**1**	2.0	0.71	2/14/2017 14:09	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153028** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-22A** Date Collected: 02/08/17 15:37

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	2/18/2017 00:06	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 00:06	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 00:06	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 00:06	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 00:06	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:06	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 00:06	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 00:06	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 00:06	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:06	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 00:06	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 00:06	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 00:06	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 00:06	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:06	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 00:06	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 00:06	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 00:06	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:06	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 00:06	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 00:06	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 00:06	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 00:06	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:06	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 00:06	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 00:06	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 00:06	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 00:06	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 00:06	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 00:06	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 00:06	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 00:06	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 00:06	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 00:06	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 00:06	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 00:06	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 00:06	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153028** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **TH-22A** Date Collected: 02/08/17 15:37

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	2/18/2017 00:06	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 00:06	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 00:06	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 00:06	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 00:06	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 00:06	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 00:06	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 00:06	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-128		2/18/2017 00:06	
Toluene-d8 (S)	**102**		**%**	**1**	77-119		2/18/2017 00:06	
Bromofluorobenzene (S)	**93**		**%**	**1**	86-123		2/18/2017 00:06	
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	2/18/2017 00:06	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 00:06	T
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	70-130		2/18/2017 00:06	
Toluene-d8 (S)	**102**		**%**	**1**	70-130		2/18/2017 00:06	
Bromofluorobenzene (S)	**93**		**%**	**1**	70-130		2/18/2017 00:06	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.39**		**mg/L**	**1**	0.10	0.02	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1.25**	12	12	2/15/2017 17:54	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**10**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:19	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:36	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153029** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/08/17 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	2/18/2017 19:33	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 19:33	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 19:33	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 19:33	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 19:33	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 19:33	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 19:33	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 19:33	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 19:33	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 19:33	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 19:33	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 19:33	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 19:33	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 19:33	T
Acetone	**1.2**	**I**	**ug/L**	**1**	5.0	1.0	2/18/2017 19:33	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 19:33	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 19:33	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 19:33	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 19:33	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 19:33	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 19:33	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 19:33	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 19:33	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 19:33	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 19:33	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 19:33	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 19:33	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 19:33	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 19:33	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 19:33	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 19:33	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 19:33	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 19:33	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 19:33	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 19:33	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 19:33	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153029** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 02/08/17 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	2/18/2017 19:33	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 19:33	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 19:33	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 19:33	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 19:33	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 19:33	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 19:33	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 19:33	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 19:33	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-128		2/18/2017 19:33	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		2/18/2017 19:33	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		2/18/2017 19:33	
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	2/18/2017 19:33	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 19:33	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-130		2/18/2017 19:33	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		2/18/2017 19:33	
Bromofluorobenzene (S)	**91**		**%**	**1**	70-130		2/18/2017 19:33	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153030** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Duplicate** Date Collected: 02/08/17 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	**0.56**	**U**	**ug/L**	**5**	3.0	0.56	2/13/2017 14:28	T
Iron	**28000**		**ug/L**	**5**	500	110	2/13/2017 14:28	T
Sodium	**290**		**mg/L**	**5**	1.0	0.21	2/13/2017 14:28	T
Zinc	**9.8**	**U**	**ug/L**	**5**	50	9.8	2/13/2017 14:28	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.23**	**I**	**ug/L**	**1**	0.70	0.046	2/17/2017 14:11	J
Arsenic	**0.58**	**I**	**ug/L**	**1**	1.0	0.077	2/17/2017 14:11	J
Barium	**10**		**ug/L**	**1**	0.60	0.12	2/17/2017 14:11	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/17/2017 14:11	J
Chromium	**1.4**	**I**	**ug/L**	**1**	2.0	0.11	2/17/2017 14:11	J
Cobalt	**3.0**		**ug/L**	**1**	0.50	0.19	2/17/2017 14:11	J
Copper	**0.28**	**I**	**ug/L**	**1**	0.70	0.11	2/17/2017 14:11	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/17/2017 14:11	J
Nickel	**15**		**ug/L**	**1**	0.80	0.11	2/17/2017 14:11	J
Selenium	**0.59**	**I**	**ug/L**	**1**	5.0	0.58	2/17/2017 14:11	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/17/2017 14:11	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/17/2017 14:11	J
Vanadium	**7.3**		**ug/L**	**1**	2.0	0.71	2/17/2017 14:11	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	2/21/2017 11:39	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	2/18/2017 19:59	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 19:59	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 19:59	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 19:59	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 19:59	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 19:59	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 19:59	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153030** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Duplicate** Date Collected: 02/08/17 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	2/18/2017 19:59	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 19:59	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 19:59	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 19:59	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 19:59	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 19:59	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 19:59	T
Acetone	**9.2**		**ug/L**	**1**	5.0	1.0	2/18/2017 19:59	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 19:59	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 19:59	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 19:59	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 19:59	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 19:59	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 19:59	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 19:59	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 19:59	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 19:59	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 19:59	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 19:59	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 19:59	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 19:59	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 19:59	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 19:59	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 19:59	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 19:59	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 19:59	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 19:59	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 19:59	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 19:59	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 19:59	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 19:59	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 19:59	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 19:59	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 19:59	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 19:59	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 19:59	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 19:59	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 19:59	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-128		2/18/2017 19:59	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/18/2017 19:59	

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153030** Date Received: 02/08/17 16:40 Matrix: Water

Sample ID: **Duplicate** Date Collected: 02/08/17 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**90**		**%**	**1**	86-123		2/18/2017 19:59	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 19:59	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 19:59	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-130		2/18/2017 19:59	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/18/2017 19:59	
Bromofluorobenzene (S)	**90**		**%**	**1**	70-130		2/18/2017 19:59	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**13**		**mg/L**	**5**	0.50	0.12	2/10/2017 14:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1700**		**mg/L**	**1.25**	12	12	2/15/2017 17:54	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**870**	**J4**	**mg/L**	**26.6667**	130	68	2/16/2017 17:22	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/9/2017 11:38	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153031** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Holland** Date Collected: 02/09/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**473**		**umhos/cm**	**1**			2/9/2017 12:49	
Dissolved Oxygen	**0.02**		**mg/L**	**1**			2/9/2017 12:49	
ORP-2580BW	**-154.8**		**mV**	**1**			2/9/2017 12:49	
Temperature	**24.14**		**°C**	**1**			2/9/2017 12:49	
Turbidity	**1.01**		**NTU**	**1**			2/9/2017 12:49	
pH	**7.28**		**SU**	**1**			2/9/2017 12:49	
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	2/14/2017 12:43	T
Iron	**1600**		**ug/L**	**1**	100	21	2/14/2017 12:43	T
Sodium	**6.0**		**mg/L**	**1**	0.20	0.042	2/14/2017 12:43	T
Zinc	**38**		**ug/L**	**1**	10	2.0	2/14/2017 12:43	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	2/17/2017 14:14	J
Arsenic	**0.22**	**I**	**ug/L**	**1**	1.0	0.077	2/17/2017 14:14	J
Barium	**4.5**		**ug/L**	**1**	0.60	0.12	2/17/2017 14:14	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/17/2017 14:14	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/17/2017 14:14	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/17/2017 14:14	J
Copper	**1.1**		**ug/L**	**1**	0.70	0.11	2/17/2017 14:14	J
Lead	**0.25**	**I**	**ug/L**	**1**	0.70	0.24	2/17/2017 14:14	J
Nickel	**6.0**		**ug/L**	**1**	0.80	0.11	2/17/2017 14:14	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/17/2017 14:14	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/17/2017 14:14	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/17/2017 14:14	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/17/2017 14:14	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.050**	**U**	**ug/L**	**1**	0.10	0.050	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153031** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Holland** Date Collected: 02/09/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 20:25	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 20:25	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 20:25	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 20:25	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 20:25	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 20:25	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 20:25	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 20:25	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 20:25	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 20:25	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 20:25	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 20:25	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 20:25	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 20:25	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 20:25	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 20:25	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 20:25	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 20:25	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 20:25	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 20:25	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 20:25	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 20:25	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 20:25	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 20:25	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 20:25	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 20:25	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 20:25	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 20:25	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 20:25	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 20:25	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 20:25	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 20:25	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 20:25	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 20:25	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 20:25	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 20:25	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 20:25	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153031** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Holland** Date Collected: 02/09/17 12:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 20:25	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 20:25	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 20:25	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 20:25	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 20:25	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 20:25	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 20:25	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 20:25	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-128		2/18/2017 20:25	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		2/18/2017 20:25	
Bromofluorobenzene (S)	**100**		**%**	**1**	86-123		2/18/2017 20:25	
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	2/18/2017 20:25	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 20:25	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-130		2/18/2017 20:25	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		2/18/2017 20:25	
Bromofluorobenzene (S)	**100**		**%**	**1**	70-130		2/18/2017 20:25	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.03**	**I**	**mg/L**	**1**	0.10	0.02	2/15/2017 11:44	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1.25**	12	12	2/15/2017 17:54	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**22**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:34	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/10/2017 17:27	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153032** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Barnes** Date Collected: 02/09/17 13:22

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	**432**		**umhos/cm**	**1**			2/9/2017 13:22	
Dissolved Oxygen	**0.01**		**mg/L**	**1**			2/9/2017 13:22	
ORP-2580BW	**-99.3**		**mV**	**1**			2/9/2017 13:22	
Temperature	**23.45**		**°C**	**1**			2/9/2017 13:22	
Turbidity	**0.55**		**NTU**	**1**			2/9/2017 13:22	
pH	**7.52**		**SU**	**1**			2/9/2017 13:22	
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	2/14/2017 12:47	T
Iron	**39**	**I**	**ug/L**	**1**	100	21	2/14/2017 12:47	T
Sodium	**17**		**mg/L**	**1**	0.20	0.042	2/14/2017 12:47	T
Zinc	**28**		**ug/L**	**1**	10	2.0	2/14/2017 12:47	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	2/17/2017 14:18	J
Arsenic	**0.077**	**U**	**ug/L**	**1**	1.0	0.077	2/17/2017 14:18	J
Barium	**4.9**		**ug/L**	**1**	0.60	0.12	2/17/2017 14:18	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/17/2017 14:18	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/17/2017 14:18	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/17/2017 14:18	J
Copper	**0.40**	**I**	**ug/L**	**1**	0.70	0.11	2/17/2017 14:18	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/17/2017 14:18	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/17/2017 14:18	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/17/2017 14:18	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/17/2017 14:18	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/17/2017 14:18	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/17/2017 14:18	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153032** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Barnes** Date Collected: 02/09/17 13:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**250**		**mg/L**	**1.25**	12	12	2/16/2017 13:10	T
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 20:51	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 20:51	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 20:51	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 20:51	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 20:51	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 20:51	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 20:51	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 20:51	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 20:51	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 20:51	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 20:51	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 20:51	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 20:51	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 20:51	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 20:51	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 20:51	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 20:51	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 20:51	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 20:51	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 20:51	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 20:51	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 20:51	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 20:51	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 20:51	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 20:51	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 20:51	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 20:51	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 20:51	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 20:51	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 20:51	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 20:51	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 20:51	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 20:51	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 20:51	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153032** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Barnes** Date Collected: 02/09/17 13:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 20:51	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 20:51	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 20:51	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 20:51	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 20:51	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 20:51	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 20:51	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 20:51	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 20:51	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 20:51	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 20:51	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-128		2/18/2017 20:51	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		2/18/2017 20:51	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		2/18/2017 20:51	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 20:51	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 20:51	T
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	70-130		2/18/2017 20:51	
Toluene-d8 (S)	**99**		**%**	**1**	70-130		2/18/2017 20:51	
Bromofluorobenzene (S)	**91**		**%**	**1**	70-130		2/18/2017 20:51	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.23**		**mg/L**	**1**	0.10	0.02	2/15/2017 11:44	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**11**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:35	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/10/2017 17:26	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153033** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Keene** Date Collected: 02/09/17 13:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**424**		**umhos/cm**	**1**			2/9/2017 13:49	
Dissolved Oxygen	**0.11**		**mg/L**	**1**			2/9/2017 13:49	
ORP-2580BW	**-74.2**		**mV**	**1**			2/9/2017 13:49	
Temperature	**26.44**		**°C**	**1**			2/9/2017 13:49	
Turbidity	**0.63**		**NTU**	**1**			2/9/2017 13:49	
pH	**7.62**		**SU**	**1**			2/9/2017 13:49	
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	2/14/2017 12:50	T
Iron	**21**	**U**	**ug/L**	**1**	100	21	2/14/2017 12:50	T
Sodium	**7.8**		**mg/L**	**1**	0.20	0.042	2/14/2017 12:50	T
Zinc	**36**		**ug/L**	**1**	10	2.0	2/14/2017 12:50	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	2/17/2017 14:22	J
Arsenic	**0.49**	**I**	**ug/L**	**1**	1.0	0.077	2/17/2017 14:22	J
Barium	**3.8**		**ug/L**	**1**	0.60	0.12	2/17/2017 14:22	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/17/2017 14:22	J
Chromium	**0.11**	**U**	**ug/L**	**1**	2.0	0.11	2/17/2017 14:22	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/17/2017 14:22	J
Copper	**0.11**	**U**	**ug/L**	**1**	0.70	0.11	2/17/2017 14:22	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/17/2017 14:22	J
Nickel	**0.11**	**U**	**ug/L**	**1**	0.80	0.11	2/17/2017 14:22	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/17/2017 14:22	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/17/2017 14:22	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/17/2017 14:22	J
Vanadium	**0.71**	**U**	**ug/L**	**1**	2.0	0.71	2/17/2017 14:22	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	2/21/2017 11:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153033** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Keene** Date Collected: 02/09/17 13:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	2/18/2017 21:17	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 21:17	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 21:17	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 21:17	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 21:17	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 21:17	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 21:17	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 21:17	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 21:17	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 21:17	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 21:17	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 21:17	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 21:17	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 21:17	T
Acetone	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 21:17	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 21:17	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 21:17	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 21:17	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 21:17	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 21:17	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 21:17	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 21:17	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 21:17	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 21:17	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 21:17	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 21:17	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 21:17	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 21:17	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 21:17	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 21:17	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 21:17	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 21:17	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 21:17	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 21:17	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 21:17	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 21:17	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 21:17	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153033** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Keene** Date Collected: 02/09/17 13:49

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 21:17	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 21:17	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 21:17	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 21:17	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 21:17	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 21:17	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 21:17	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 21:17	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-128		2/18/2017 21:17	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		2/18/2017 21:17	
Bromofluorobenzene (S)	**97**		**%**	**1**	86-123		2/18/2017 21:17	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 21:17	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 21:17	T
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	70-130		2/18/2017 21:17	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		2/18/2017 21:17	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		2/18/2017 21:17	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.17**		**mg/L**	**1**	0.10	0.02	2/15/2017 11:44	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**230**		**mg/L**	**1.25**	12	12	2/16/2017 13:10	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**15**		**mg/L**	**1**	5.0	2.6	2/16/2017 16:36	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/10/2017 15:09	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153034** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **3B2B** Date Collected: 02/09/17 15:25

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	**452**		**umhos/cm**	**1**			2/9/2017 15:25	
Dissolved Oxygen	**5.33**		**mg/L**	**1**			2/9/2017 15:25	
ORP-2580BW	**77.2**		**mV**	**1**			2/9/2017 15:25	
Temperature	**22.83**		**°C**	**1**			2/9/2017 15:25	
Turbidity	**1.69**		**NTU**	**1**			2/9/2017 15:25	
pH	**6.78**		**SU**	**1**			2/9/2017 15:25	
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	2/14/2017 12:54	T
Iron	**170**		**ug/L**	**1**	100	21	2/14/2017 12:54	T
Zinc	**11**		**ug/L**	**1**	10	2.0	2/14/2017 12:54	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.058**	**I**	**ug/L**	**1**	0.70	0.046	2/17/2017 14:25	J
Arsenic	**0.42**	**I**	**ug/L**	**1**	1.0	0.077	2/17/2017 14:25	J
Barium	**15**		**ug/L**	**1**	0.60	0.12	2/17/2017 14:25	J
Cadmium	**0.028**	**U**	**ug/L**	**1**	0.50	0.028	2/17/2017 14:25	J
Chromium	**0.60**	**I**	**ug/L**	**1**	2.0	0.11	2/17/2017 14:25	J
Cobalt	**0.19**	**U**	**ug/L**	**1**	0.50	0.19	2/17/2017 14:25	J
Copper	**0.29**	**I**	**ug/L**	**1**	0.70	0.11	2/17/2017 14:25	J
Lead	**0.24**	**U**	**ug/L**	**1**	0.70	0.24	2/17/2017 14:25	J
Nickel	**0.72**	**I**	**ug/L**	**1**	0.80	0.11	2/17/2017 14:25	J
Selenium	**0.58**	**U**	**ug/L**	**1**	5.0	0.58	2/17/2017 14:25	J
Silver	**0.027**	**U**	**ug/L**	**1**	0.50	0.027	2/17/2017 14:25	J
Thallium	**0.057**	**U**	**ug/L**	**1**	0.20	0.057	2/17/2017 14:25	J
Vanadium	**0.91**	**I**	**ug/L**	**1**	2.0	0.71	2/17/2017 14:25	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	2/21/2017 11:39	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153034** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **3B2B** Date Collected: 02/09/17 15:25

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	**224**		**#/100 mL**	**4**	4	4	2/9/2017 18:15	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	2/18/2017 21:43	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	2/18/2017 21:43	T
1,1,2,2-Tetrachloroethane	**0.41**	**U**	**ug/L**	**1**	1.0	0.41	2/18/2017 21:43	T
1,1,2-Trichloroethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 21:43	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	2/18/2017 21:43	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 21:43	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	2/18/2017 21:43	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	2/18/2017 21:43	T
1,2-Dichloroethane	**0.68**	**U**	**ug/L**	**1**	1.0	0.68	2/18/2017 21:43	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 21:43	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	2/18/2017 21:43	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	5.0	0.59	2/18/2017 21:43	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	5.0	0.99	2/18/2017 21:43	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	5.0	0.93	2/18/2017 21:43	T
Acetone	**1.7**	**I**	**ug/L**	**1**	5.0	1.0	2/18/2017 21:43	T
Acrylonitrile	**4.6**	**U**	**ug/L**	**1**	5.0	4.6	2/18/2017 21:43	T
Benzene	**0.34**	**U**	**ug/L**	**1**	1.0	0.34	2/18/2017 21:43	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	2/18/2017 21:43	T
Bromodichloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 21:43	T
Bromoform	**0.61**	**U**	**ug/L**	**1**	5.0	0.61	2/18/2017 21:43	T
Bromomethane	**0.81**	**U**	**ug/L**	**1**	1.0	0.81	2/18/2017 21:43	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	2/18/2017 21:43	T
Carbon Tetrachloride	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	2/18/2017 21:43	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 21:43	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	2/18/2017 21:43	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	2/18/2017 21:43	T
Chloromethane	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	2/18/2017 21:43	T
Dibromochloromethane	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	2/18/2017 21:43	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	2/18/2017 21:43	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	2/18/2017 21:43	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	5.0	0.65	2/18/2017 21:43	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	2/18/2017 21:43	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153034** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **3B2B** Date Collected: 02/09/17 15:25

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	2/18/2017 21:43	T
Tetrachloroethylene (PCE)	**0.52**	**U**	**ug/L**	**1**	1.0	0.52	2/18/2017 21:43	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	2/18/2017 21:43	T
Trichloroethene	**0.66**	**U**	**ug/L**	**1**	1.0	0.66	2/18/2017 21:43	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	2/18/2017 21:43	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	2/18/2017 21:43	T
Vinyl Chloride	**0.73**	**U**	**ug/L**	**1**	1.0	0.73	2/18/2017 21:43	T
Xylene (Total)	**1.3**	**U**	**ug/L**	**1**	3.0	1.3	2/18/2017 21:43	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	2/18/2017 21:43	T
cis-1,3-Dichloropropene	**0.36**	**U**	**ug/L**	**1**	1.0	0.36	2/18/2017 21:43	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	2/18/2017 21:43	T
trans-1,3-Dichloropropylene	**0.42**	**U**	**ug/L**	**1**	5.0	0.42	2/18/2017 21:43	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	5.0	0.39	2/18/2017 21:43	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-128		2/18/2017 21:43	
Toluene-d8 (S)	**101**		**%**	**1**	77-119		2/18/2017 21:43	
Bromofluorobenzene (S)	**92**		**%**	**1**	86-123		2/18/2017 21:43	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 21:43	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.10	0.020	2/18/2017 21:43	T
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	70-130		2/18/2017 21:43	
Toluene-d8 (S)	**101**		**%**	**1**	70-130		2/18/2017 21:43	
Bromofluorobenzene (S)	**92**		**%**	**1**	70-130		2/18/2017 21:43	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.48**		**mg/L**	**1**	0.10	0.10	3/8/2017 08:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000088**	**U**	**mg/L**	**1**		0.000088	2/15/2017 11:44	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.28**		**mg/L**	**1**	0.10	0.046	2/14/2017 15:34	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**28**	**I**	**mg/L**	**1**	50	24	2/21/2017 15:58	T

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153034** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **3B2B** Date Collected: 02/09/17 15:25

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	2/23/2017 11:22	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**96**		**mg/L**	**1**	10	2.6	2/13/2017 13:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**250**		**mg/L**	**1.25**	12	12	2/16/2017 13:10	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**2.0**	**U**	**mg/L**	**2**	2.0	2.0	2/10/2017 08:34	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	**0.18**	**U**	**mg/L**	**1**	0.20	0.18	2/10/2017 17:29	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**	**U**	**mg/L**	**1**	2.0	2.0	2/10/2017 16:38	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**8.3**		**mg/L**	**1**	1.0	0.25	2/17/2017 10:14	G

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ANALYTICAL RESULTS

Workorder: T1702153 SELF Semi-Annual

Lab ID: **T1702153035** Date Received: 02/09/17 17:01 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 02/09/17 12:10

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	**658**		**umhos/cm**	**1**			2/9/2017 12:10	
Dissolved Oxygen	**7.04**		**mg/L**	**1**			2/9/2017 12:10	
ORP-2580BW	**57.2**		**mV**	**1**			2/9/2017 12:10	
Temperature	**21.98**		**°C**	**1**			2/9/2017 12:10	
pH	**7.09**		**SU**	**1**			2/9/2017 12:10	
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**304**		**#/100 mL**	**4**	4	4	2/9/2017 18:15	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1702153 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: T1702153 SELF Semi-Annual

QC Batch: WCAt/6955 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007

METHOD BLANK: 2266870

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

LABORATORY CONTROL SAMPLE: 2266871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate	mg/L	1	0.97	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2266885 2266886 Original: T1702154001

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	0.084	1	1.0	1.0	103	102	90-110	0	10	

QC Batch: WCAt/6962 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 02/08/2017 12:05
Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2267146

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2267148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Phosphorus (as P)	mg/L	1	1.1	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267150 2267152 Original: T1701998001

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	0.32	1	1.4	1.4	110	106	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267154 2267156 Original: T1702153021

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	0.43	1	1.6	1.5	113	108	80-120	3	20	

QC Batch: DGMt/2502 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 02/08/2017 11:20

Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

METHOD BLANK: 2267195

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	0.042	0.042	U
Zinc	ug/L	2.0	2.0	U

LABORATORY CONTROL SAMPLE: 2267196

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2267196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	400	360	90	80-120	
Iron	ug/L	25000	26000	100	80-120	
Sodium	mg/L	50	56	110	80-120	
Zinc	ug/L	400	360	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2267197 2267198 Original: T1702153001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	ug/L	0.05	400	360	360	89	91	75-125	2	20	
Iron	ug/L	5.6	25000	26000	25000	102	100	75-125	1	20	
Sodium	mg/L	0.048	50	55	54	109	108	75-125	1	20	
Zinc	ug/L	7.8	400	370	370	90	90	75-125	0	20	

QC Batch: WCAt/6970 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Prepared:

Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2268051

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

LABORATORY CONTROL SAMPLE: 2268052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	190	97	75-125	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

SAMPLE DUPLICATE: 2268053 Original: T1702119002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	1.0U	1.0	0	10	

SAMPLE DUPLICATE: 2268054 Original: T1702153020

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	15	15	0	10	

QC Batch: WCAt/6975 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Prepared:
Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2268279

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

LABORATORY CONTROL SAMPLE: 2268280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	220	110	84.6-115.4	

SAMPLE DUPLICATE: 2268281 Original: T1702269001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	2300	2200	4	20	

QC Batch: MICt/2465 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

Associated Lab Samples: T1702153018, T1702153019, T1702153020

METHOD BLANK: 2268393

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

QC Batch: DGMj/2517 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 02/10/2017 03:30

Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

METHOD BLANK: 2268500

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 & LCSD: 2268501 2268502

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Vanadium	ug/L	100	93	91	93	91	80-120	2	20	
Chromium	ug/L	100	93	92	93	92	80-120	1	20	
Cobalt	ug/L	100	93	89	93	89	80-120	3	20	
Nickel	ug/L	100	91	90	91	90	80-120	1	20	
Copper	ug/L	100	89	89	89	89	80-120	1	20	
Arsenic	ug/L	100	95	94	95	94	80-120	1	20	
Selenium	ug/L	100	100	100	104	105	80-120	1	20	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE & LCSD: 2268501 2268502

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Silver	ug/L	100	93	93	93	93	80-120	0	20	
Cadmium	ug/L	100	93	93	93	93	80-120	0	20	
Antimony	ug/L	100	98	95	98	95	80-120	3	20	
Barium	ug/L	100	97	95	97	95	80-120	3	20	
Thallium	ug/L	100	92	90	92	90	80-120	2	20	
Lead	ug/L	100	94	90	94	90	80-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268503 2268504 Original: T1702153002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	0.14	100	96	94	96	94	75-125	2	20	
Chromium	ug/L	0.11	100	94	93	94	93	75-125	2	20	
Cobalt	ug/L	0.013	100	93	90	93	90	75-125	2	20	
Nickel	ug/L	0	100	88	87	88	87	75-125	1	20	
Copper	ug/L	0.062	100	84	85	84	85	75-125	0	20	
Arsenic	ug/L	0.083	100	96	96	96	96	75-125	0	20	
Selenium	ug/L	0.018	100	100	100	101	100	75-125	1	20	
Silver	ug/L	0.022	100	85	82	85	82	75-125	4	20	
Cadmium	ug/L	0.021	100	94	94	94	94	75-125	1	20	
Antimony	ug/L	0.11	100	100	100	100	101	75-125	2	20	
Barium	ug/L	5.5	100	100	100	96	99	75-125	3	20	
Thallium	ug/L	0.02	100	93	94	93	94	75-125	2	20	
Lead	ug/L	0.04	100	93	96	93	96	75-125	3	20	

QC Batch: WCAt/6986 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T1702153008, T1702153009, T1702153011, T1702153012, T1702153013, T1702153014, T1702153015, T1702153016,

METHOD BLANK: 2268594

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: T1702153 SELF Semi-Annual

METHOD BLANK: 2268607

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

METHOD BLANK: 2268619

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

LABORATORY CONTROL SAMPLE: 2268595

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

LABORATORY CONTROL SAMPLE: 2268606

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

LABORATORY CONTROL SAMPLE: 2268618

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268604 2268605 Original: T1702157001

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	1.7	1	2.7	2.7	99	97	90-110	0	10	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268616 2268617 Original: T1702153019

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	100	100	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2268627 2268628 Original: T1702231002

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	6	1	7.1	7.1	107	103	90-110	1	10	

QC Batch: WCAt/6990 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1702153034

METHOD BLANK: 2269426

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

LABORATORY CONTROL SAMPLE: 2269427

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

SAMPLE DUPLICATE: 2269428 Original: T1702153034

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	2.0U	2.0	0	10	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

QC Batch: DGMt/2513 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 02/09/2017 14:30
Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

METHOD BLANK: 2269713

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

LABORATORY CONTROL SAMPLE: 2269714

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2269715 2269716 Original: T1702153001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.072	1	1.0	1.0	94	93	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2269717 2269718 Original: T1702153021

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.004	1	1.1	1.1	110	109	80-120	0	20	

QC Batch: WCAt/7002 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2270088

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

LABORATORY CONTROL SAMPLE: 2270089

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270090 2270091 Original: T1702101002

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	1.0	1.0	104	104	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270092 2270093 Original: T1702153007

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	0.2	1	1.2	1.2	102	102	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270094 2270095 Original: T1702153021

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	1.0	1.0	105	104	90-110	1	10	

QC Batch: DGMt/2515 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 02/10/2017 11:00

Associated Lab Samples: T1702153022, T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028, T1702153030

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2270143

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	0.042	0.042	U
Zinc	ug/L	2.0	2.0	U

LABORATORY CONTROL SAMPLE: 2270144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	380	94	80-120	
Iron	ug/L	25000	26000	104	80-120	
Sodium	mg/L	50	59	118	80-120	
Zinc	ug/L	400	370	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270145 2270146 Original: T1702153022

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	370	380	93	95	75-125	2	20	
Iron	ug/L	0.93	25000	26000	26000	102	104	75-125	2	20	
Sodium	mg/L	0.035	50	58	59	116	118	75-125	2	20	
Zinc	ug/L	9.2	400	380	390	93	95	75-125	2	20	

QC Batch: WCAt/7008 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1702153022, T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028, T1702153030

METHOD BLANK: 2270293

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2270294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.52	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270295 2270296 Original: T1702296002

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	0.92	0.90	92	90	90-110	2	10	

QC Batch: WCAt/7016 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

METHOD BLANK: 2270480

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

LABORATORY CONTROL SAMPLE: 2270481

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	640	97	75-125	

SAMPLE DUPLICATE: 2270483 Original: T1702120004

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

SAMPLE DUPLICATE: 2270483 Original: T1702120004

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	370	360	1	10	

QC Batch: DGMj/2528 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 02/14/2017 03:30

Associated Lab Samples: T1702153022, T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028

METHOD BLANK: 2270749

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 & LCSD: 2270750 2270751

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Vanadium	ug/L	100	93	93	93	93	80-120	0	20	
Chromium	ug/L	100	95	95	95	95	80-120	0	20	
Cobalt	ug/L	100	94	95	94	95	80-120	1	20	
Nickel	ug/L	100	97	95	97	95	80-120	2	20	
Copper	ug/L	100	91	90	91	90	80-120	0	20	
Arsenic	ug/L	100	97	96	97	96	80-120	1	20	
Selenium	ug/L	100	100	100	100	101	80-120	0	20	
Silver	ug/L	100	96	94	96	94	80-120	2	20	
Cadmium	ug/L	100	97	95	97	95	80-120	2	20	
Antimony	ug/L	100	100	99	100	99	80-120	1	20	
Barium	ug/L	100	99	97	99	97	80-120	1	20	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE & LCSD: 2270750 2270751

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Thallium	ug/L	100	93	92	93	92	80-120	2	20	
Lead	ug/L	100	96	95	96	95	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270752 2270753 Original: T1701745001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	ug/L	0	100	95	95	95	95	75-125	0	20	
Chromium	ug/L	0	100	92	92	92	92	75-125	1	20	
Cobalt	ug/L	0	100	92	92	92	92	75-125	1	20	
Nickel	ug/L	0	100	89	97	89	97	75-125	9	20	
Copper	ug/L	0	100	82	83	82	83	75-125	1	20	
Arsenic	ug/L	0.21	100	96	97	96	97	75-125	1	20	
Selenium	ug/L	0	100	95	98	95	98	75-125	3	20	
Silver	ug/L	0	100	82	85	82	85	75-125	4	20	
Cadmium	ug/L	0	100	90	91	90	91	75-125	1	20	
Antimony	ug/L	0	100	100	100	102	102	75-125	0	20	
Barium	ug/L	0	100	110	110	110	111	75-125	1	20	
Thallium	ug/L	0	100	95	95	95	95	75-125	1	20	
Lead	ug/L	0	100	96	96	96	96	75-125	0	20	

QC Batch: WCAg/4191 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2270814

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2270816

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

QC Batch: WCAt/7023 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Prepared:
Associated Lab Samples: T1702153034

METHOD BLANK: 2270845

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

LABORATORY CONTROL SAMPLE: 2270846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	210	108	84.6-115.4	

SAMPLE DUPLICATE: 2270847 Original: T1702453001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	2000	2000	4	20	

QC Batch: WCAt/7024 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Prepared:
Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021, T1702153034

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2270911

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

LABORATORY CONTROL SAMPLE: 2270912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Hardness (as CaCO3)	mg/L	400	400	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2270913 2270914 Original: T1701783001

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	210	200	410	420	100	102	90-110	1	10	

QC Batch: DGMt/2522 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A Prepared: 02/13/2017 10:15

Associated Lab Samples: T1702153031, T1702153032, T1702153033, T1702153034

METHOD BLANK: 2271107

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	0.042	0.042	U
Zinc	ug/L	2.0	2.0	U

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2271108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	ug/L	400	360	90	80-120	
Iron	ug/L	25000	26000	102	80-120	
Sodium	mg/L	50	58	116	80-120	
Zinc	ug/L	400	370	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2271109 2271110 Original: T1702451001

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	360	360	90	91	75-125	1	20	
Iron	ug/L	330	25000	26000	26000	103	101	75-125	2	20	
Sodium	mg/L	6.6	50	65	64	117	115	75-125	2	20	
Zinc	ug/L	11	400	380	380	91	92	75-125	1	20	

QC Batch: WCAt/7035 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T1702153022, T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028, T1702153030

METHOD BLANK: 2271140

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

METHOD BLANK: 2271145

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2271141

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

LABORATORY CONTROL SAMPLE: 2271144

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2271142 2271143 Original: T1702385001

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	2.6	1	4.5	4.6	193	197	90-110	1	10	J4

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2271148 2271149 Original: T1702350001

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	0.032	1	1.0	1.0	101	101	90-110	0	10	

QC Batch: WCAt/7036 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1702153011, T1702153012, T1702153013, T1702153014, T1702153015, T1702153016

METHOD BLANK: 2271154

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2271155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	560	85	75-125	

SAMPLE DUPLICATE: 2271156 Original: T1702153011

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	230	230	2	10	

SAMPLE DUPLICATE: 2271157 Original: T1702267005

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	140	150	3	10	

QC Batch: WCAt/7054 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021, T1702153022, T1702153023, T1702153024,

METHOD BLANK: 2271983

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

LABORATORY CONTROL SAMPLE: 2271984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	560	85	75-125	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

SAMPLE DUPLICATE: 2271985 Original: T1702153018

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	12U	12	0	10	

SAMPLE DUPLICATE: 2271986 Original: T1702262001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	280	290	4	10	

QC Batch: MICt/2474 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: T1702153034, T1702153035

METHOD BLANK: 2272011

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

QC Batch: DGMj/2536 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 02/15/2017 03:30
Associated Lab Samples: T1702153030, T1702153031, T1702153032, T1702153033, T1702153034

METHOD BLANK: 2272103

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2272103

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE & LCSD: 2272104 2272105

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Vanadium	ug/L	100	92	94	92	94	80-120	3	20	
Chromium	ug/L	100	93	95	93	95	80-120	2	20	
Cobalt	ug/L	100	96	97	96	97	80-120	2	20	
Nickel	ug/L	100	93	95	93	95	80-120	2	20	
Copper	ug/L	100	90	92	90	92	80-120	2	20	
Arsenic	ug/L	100	96	97	96	97	80-120	1	20	
Selenium	ug/L	100	100	100	102	104	80-120	2	20	
Silver	ug/L	100	94	95	94	95	80-120	1	20	
Cadmium	ug/L	100	93	94	93	94	80-120	2	20	
Antimony	ug/L	100	99	99	99	99	80-120	0	20	
Barium	ug/L	100	97	98	97	98	80-120	1	20	
Thallium	ug/L	100	95	92	95	92	80-120	3	20	
Lead	ug/L	100	93	94	93	94	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272106 2272107 Original: J1701593003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											J4
Vanadium	ug/L	0	100	93	96	93	96	75-125	3	20	
Chromium	ug/L	0	100	89	91	89	91	75-125	2	20	
Cobalt	ug/L	0	100	88	90	88	90	75-125	2	20	
Nickel	ug/L	0	100	83	85	83	85	75-125	2	20	
Copper	ug/L	0	100	80	81	80	81	75-125	2	20	
Arsenic	ug/L	0	100	95	96	95	96	75-125	1	20	
Selenium	ug/L	0	100	23	22	23	22	75-125	6	20	
Silver	ug/L	0	100	33	33	33	33	75-125	1	20	
Cadmium	ug/L	0	100	90	90	90	90	75-125	0	20	
Antimony	ug/L	0.12	100	100	100	101	102	75-125	1	20	
Barium	ug/L	0	100	360	360	355	363	75-125	2	20	
Thallium	ug/L	0.013	100	94	95	94	95	75-125	1	20	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272106 2272107 Original: J1701593003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Lead	ug/L	0	100	96	97	96	97	75-125	1	20	

QC Batch: WCAt/7057 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 02/14/2017 11:37
Associated Lab Samples: T1702153034

METHOD BLANK: 2272119

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

LABORATORY CONTROL SAMPLE: 2272121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Phosphorus (as P)	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272123 2272125 Original: M1700523001

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			1.0	1.0				2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272127 2272129 Original: T1702153034

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	0.28	1	1.3	1.3	100	102	80-120	1	20	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

QC Batch: WCAt/7058 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1702153031, T1702153032, T1702153034

METHOD BLANK: 2272145

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

LABORATORY CONTROL SAMPLE: 2272146

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: 2272163 2272164 Original: T1702558002

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	1.1	1.1	109	108	90-110	1	10	

QC Batch: WCAt/7060 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1702153033

METHOD BLANK: 2272328

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2272327

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: 2272331 2272332 Original: T1702586001

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	0.59	1	1.6	1.6	102	104	90-110	2	10	

QC Batch: WCAt/7061 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Prepared:
Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2272413

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

LABORATORY CONTROL SAMPLE: 2272414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chemical Oxygen Demand	mg/L	500	520	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272416 2272417 Original: T1702099001

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	20	500	490	490	98	98	90-110	0	10	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2272420 2272421 Original: T1702231002

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	24	500	490	480	92	92	90-110	1	10	

QC Batch: WCAt/7077 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1702153031, T1702153032, T1702153033

METHOD BLANK: 2273416

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

LABORATORY CONTROL SAMPLE: 2273417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.54	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2273418 2273419 Original: T1702153034

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	1.0	1.0	100	101	90-110	1	10	

QC Batch: MSVt/2551 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 02/13/2017 15:00
Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007, T1702153008

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2273489

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)	%	106	70-130	
Bromofluorobenzene (S)	%	91	70-130	

LABORATORY CONTROL SAMPLE: 2273490

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.79	99	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.80	100	70-130	
1,2-Dichloroethane-d4 (S)	%			113	70-130	
Toluene-d8 (S)	%			105	70-130	
Bromofluorobenzene (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2273491 2273492 Original: T1702153002

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	0.81	0.66	101	83	70-130	20	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.86	0.70	108	88	70-130	21	30	
1,2-Dichloroethane-d4 (S)	%	104				111	106	70-130	4		
Toluene-d8 (S)	%	107				105	101	70-130	4		
Bromofluorobenzene (S)	%	104				91	92	70-130	0		

QC Batch: MSVt/2553 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 02/13/2017 15:00

Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007, T1702153008

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2273503

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.70	0.70	U
Vinyl Chloride	ug/L	0.73	0.73	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	0.68	0.68	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.34	0.34	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	0.36	0.36	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42	U
1,1,2-Trichloroethane	ug/L	0.40	0.40	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.56	0.56	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	0.41	0.41	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: T1702153 SELF Semi-Annual

METHOD BLANK: 2273503

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	ug/L	1.3	1.3	U
1,2-Dichloroethane-d4 (S)	%	106	70-128	
Toluene-d8 (S)	%	106	77-119	
Bromofluorobenzene (S)	%	91	86-123	

LABORATORY CONTROL SAMPLE: 2273504

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	24	120	70-130	
1,1-Dichloroethylene	ug/L	20	19	97	70-130	
cis-1,2-Dichloroethylene	ug/L	20	21	106	70-130	
Chloroform	ug/L	20	24	122	70-130	
Benzene	ug/L	20	23	113	70-130	
Trichloroethene	ug/L	20	22	110	70-130	
Toluene	ug/L	20	23	114	70-130	
Tetrachloroethylene (PCE)	ug/L	20	23	116	70-130	
Chlorobenzene	ug/L	20	20	101	70-130	
Ethylbenzene	ug/L	20	24	118	70-130	
1,2-Dichlorobenzene	ug/L	20	19	95	70-130	
Xylene (Total)	ug/L	60	74	123	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-128	
Toluene-d8 (S)	%			111	77-119	
Bromofluorobenzene (S)	%			87	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2273505 2273506 Original: T1702153003

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	25	116	123	70-130	6	30	
1,1-Dichloroethylene	ug/L	0	20	18	19	92	97	70-130	5	30	
cis-1,2-Dichloroethylene	ug/L	0	20	21	21	103	106	70-130	3	30	
Chloroform	ug/L	0	20	24	25	120	123	70-130	2	30	
Benzene	ug/L	0	20	22	22	110	109	70-130	2	30	
Trichloroethene	ug/L	0	20	22	22	108	111	70-130	3	30	
Toluene	ug/L	0	20	22	21	110	106	70-130	4	30	
Tetrachloroethylene (PCE)	ug/L	0	20	19	19	97	97	70-130	0	30	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2273505 2273506 Original: T1702153003

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	19	95	94	70-130	1	30	
Ethylbenzene	ug/L	0	20	23	22	115	112	70-130	3	30	
1,2-Dichlorobenzene	ug/L	0	20	20	20	99	99	70-130	0	30	
Xylene (Total)	ug/L	0	60	70	69	117	115	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%	106				108	110	70-128	2		
Toluene-d8 (S)	%	106				105	103	77-119	2		
Bromofluorobenzene (S)	%	100				88	88	86-123	0		

QC Batch: WCAt/7094 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1702153027, T1702153028, T1702153030, T1702153031

METHOD BLANK: 2274175

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

LABORATORY CONTROL SAMPLE: 2274176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	610	93	75-125	

SAMPLE DUPLICATE: 2274177 Original: T1702153027

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	300	310	1	10	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

SAMPLE DUPLICATE: 2274178 Original: T1702409006

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	57	55	4	10	

QC Batch: WCAt/7109 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1702153032, T1702153033, T1702153034

METHOD BLANK: 2274977

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

LABORATORY CONTROL SAMPLE: 2274978

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	610	93	75-125	

SAMPLE DUPLICATE: 2274979 Original: T1702153032

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	250	240	5	10	

SAMPLE DUPLICATE: 2274980 Original: T1702545001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	27760	28000	1	10	

QC Batch: WCAt/7118 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1702153001, T1702153002, T1702153003, T1702153004, T1702153005, T1702153006, T1702153007,

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2275566

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

LABORATORY CONTROL SAMPLE: 2275567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	50	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275568 2275569 Original: T1702153008

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	5.537	50	58	58	105	105	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275570 2275571 Original: T1702153016

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	57	50	110	110	105	104	90-110	0	10	

QC Batch: WCAt/7119 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1702153022

METHOD BLANK: 2275572

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: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2275573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	50	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275574 2275575 Original: T1702267010

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	3.6	50	55	54	103	101	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275576 2275577 Original: T1702153022

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	1.1	50	52	52	104	104	90-110	0	10	

QC Batch: WCAt/7120 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028, T1702153030

METHOD BLANK: 2275590

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

LABORATORY CONTROL SAMPLE: 2275591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	53	105	90-110	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275592 2275593 Original: T1702153030

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	870	50	860	820	-4	-88	90-110	5	10	J4

QC Batch: WCAt/7121 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1702153031, T1702153032, T1702153033

METHOD BLANK: 2275599

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

LABORATORY CONTROL SAMPLE: 2275600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	52	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275601 2275602 Original: T1702153031

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	22	50	75	75	105	105	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275603 2275604 Original: A1701222001

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275603 2275604 Original: A1701222001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chloride	mg/L	170	50	590	640	856	943	90-110	7	10	J4

QC Batch: WCAg/4235 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Prepared:
Associated Lab Samples: T1702153034

METHOD BLANK: 2275957

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

METHOD BLANK: 2277358

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

LABORATORY CONTROL SAMPLE: 2275959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Organic Carbon	mg/L	10	9.2	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2275960 2275961 Original: M1700523002

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	890	260	1000	1000	53	58	90-110	1	10	J4

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

QC Batch: MSVt/2579 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 02/17/2017 18:30
Associated Lab Samples: T1702153010, T1702153011, T1702153012, T1702153013, T1702153014, T1702153015, T1702153016, T1702153017,

METHOD BLANK: 2277277

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)	%	112	70-130	
Toluene-d8 (S)	%	102	70-130	
Bromofluorobenzene (S)	%	91	70-130	

LABORATORY CONTROL SAMPLE: 2277278

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.81	101	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.90	113	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
Toluene-d8 (S)	%			101	70-130	
Bromofluorobenzene (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2277279 2277280 Original: T1702153023

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	0.80	0.79	100	99	70-130	1	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.84	0.92	105	115	70-130	9	30	
1,2-Dichloroethane-d4 (S)	%	110				111	115	70-130	4		
Toluene-d8 (S)	%	106				100	97	70-130	3		
Bromofluorobenzene (S)	%	97				106	94	70-130	12		

QC Batch: MSVt/2581 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5030B Prepared: 02/17/2017 18:30

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

Associated Lab Samples: T1702153010, T1702153011, T1702153012, T1702153013, T1702153014, T1702153015, T1702153016, T1702153017,

METHOD BLANK: 2277285

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.70	0.70	U
Vinyl Chloride	ug/L	0.73	0.73	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	0.68	0.68	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.34	0.34	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	0.36	0.36	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42	U
1,1,2-Trichloroethane	ug/L	0.40	0.40	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.56	0.56	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	0.41	0.41	U
1,2,3-Trichloropropane	ug/L	0.58	0.58	U
1,4-Dichlorobenzene	ug/L	0.97	0.97	U

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2277285

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
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	1.3	1.3	U
1,2-Dichloroethane-d4 (S)	%	112	70-128	
Toluene-d8 (S)	%	102	77-119	
Bromofluorobenzene (S)	%	91	86-123	

LABORATORY CONTROL SAMPLE: 2277286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	17	86	70-130	
1,1-Dichloroethylene	ug/L	20	17	84	70-130	
cis-1,2-Dichloroethylene	ug/L	20	20	99	70-130	
Chloroform	ug/L	20	22	112	70-130	
Benzene	ug/L	20	19	95	70-130	
Trichloroethene	ug/L	20	19	97	70-130	
Toluene	ug/L	20	19	94	70-130	
Tetrachloroethylene (PCE)	ug/L	20	18	88	70-130	
Chlorobenzene	ug/L	20	17	83	70-130	
Ethylbenzene	ug/L	20	20	101	70-130	
1,2-Dichlorobenzene	ug/L	20	17	85	70-130	
Xylene (Total)	ug/L	60	62	103	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-128	
Toluene-d8 (S)	%			103	77-119	
Bromofluorobenzene (S)	%			87	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2277287 2277288 Original: T1702153026

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	21	20	104	101	70-130	2	30	
1,1-Dichloroethylene	ug/L	0	20	18	17	91	87	70-130	4	30	
cis-1,2-Dichloroethylene	ug/L	0	20	22	20	109	101	70-130	7	30	
Chloroform	ug/L	0	20	26	23	129	115	70-130	11	30	
Benzene	ug/L	0	20	23	20	114	102	70-130	12	30	
Trichloroethene	ug/L	0	20	22	20	112	99	70-130	13	30	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2277287 2277288 Original: T1702153026

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Toluene	ug/L	0	20	23	19	113	96	70-130	16	30	
Tetrachloroethylene (PCE)	ug/L	0	20	20	17	101	84	70-130	19	30	
Chlorobenzene	ug/L	0	20	19	16	95	81	70-130	16	30	
Ethylbenzene	ug/L	0	20	23	20	116	101	70-130	14	30	
1,2-Dichlorobenzene	ug/L	0	20	19	17	96	85	70-130	13	30	
Xylene (Total)	ug/L	0	60	73	62	122	103	70-130	16	30	
1,2-Dichloroethane-d4 (S)	%	112				112	113	70-128	1		
Toluene-d8 (S)	%	99				104	102	77-119	2		
Bromofluorobenzene (S)	%	97				92	90	86-123	2		

QC Batch: MSVt/2586 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 02/17/2017 19:00

Associated Lab Samples: T1702153009, T1702153024, T1702153029, T1702153030, T1702153031, T1702153032, T1702153033, T1702153034

METHOD BLANK: 2277456

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)	%	112	70-130	
Toluene-d8 (S)	%	98	70-130	
Bromofluorobenzene (S)	%	91	70-130	

LABORATORY CONTROL SAMPLE: 2277457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Ethylene Dibromide (EDB)	ug/L	0.8	0.79	99	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.89	111	70-130	
1,2-Dichloroethane-d4 (S)	%			114	70-130	
Toluene-d8 (S)	%			101	70-130	
Bromofluorobenzene (S)	%			91	70-130	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2277458 2277459 Original: T1702153029

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	0.75	0.75	94	94	70-130	0	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.98	0.86	123	108	70-130	13	30	
1,2-Dichloroethane-d4 (S)	%	112				104	110	70-130	6		
Toluene-d8 (S)	%	101				105	103	70-130	2		
Bromofluorobenzene (S)	%	91				100	96	70-130	4		

QC Batch: MSVt/2588 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 02/17/2017 19:30

Associated Lab Samples: T1702153009, T1702153024, T1702153029, T1702153030, T1702153031, T1702153032, T1702153033, T1702153034

METHOD BLANK: 2277470

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.70	0.70	U
Vinyl Chloride	ug/L	0.73	0.73	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	0.68	0.68	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.57	0.57	U
Benzene	ug/L	0.34	0.34	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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2277470

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Bromodichloromethane	ug/L	0.49	0.49	U
cis-1,3-Dichloropropene	ug/L	0.36	0.36	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42	U
1,1,2-Trichloroethane	ug/L	0.40	0.40	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.56	0.56	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	0.41	0.41	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	1.3	1.3	U
1,2-Dichloroethane-d4 (S)	%	112	70-128	
Toluene-d8 (S)	%	98	77-119	
Bromofluorobenzene (S)	%	91	86-123	

LABORATORY CONTROL SAMPLE: 2277471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
VOLATILES						
Vinyl Chloride	ug/L	20	22	112	70-130	
1,1-Dichloroethylene	ug/L	20	19	94	70-130	
cis-1,2-Dichloroethylene	ug/L	20	22	110	70-130	
Chloroform	ug/L	20	26	128	70-130	
Benzene	ug/L	20	23	114	70-130	
Trichloroethene	ug/L	20	23	117	70-130	
Toluene	ug/L	20	22	109	70-130	
Tetrachloroethylene (PCE)	ug/L	20	23	113	70-130	
Chlorobenzene	ug/L	20	18	91	70-130	
Ethylbenzene	ug/L	20	23	113	70-130	
1,2-Dichlorobenzene	ug/L	20	20	98	70-130	
Xylene (Total)	ug/L	60	70	116	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-128	

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 2277471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene-d8 (S)	%			101	77-119	
Bromofluorobenzene (S)	%			87	86-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2277472 2277473 Original: T1702153034

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	22	110	108	70-130	2	30	
1,1-Dichloroethylene	ug/L	0	20	20	18	98	92	70-130	6	30	
cis-1,2-Dichloroethylene	ug/L	0	20	22	21	110	106	70-130	4	30	
Chloroform	ug/L	0	20	25	24	125	118	70-130	6	30	
Benzene	ug/L	0	20	22	21	111	105	70-130	6	30	
Trichloroethene	ug/L	0	20	22	21	112	107	70-130	5	30	
Toluene	ug/L	0	20	21	21	106	103	70-130	3	30	
Tetrachloroethylene (PCE)	ug/L	0	20	19	19	94	95	70-130	1	30	
Chlorobenzene	ug/L	0	20	19	18	96	92	70-130	5	30	
Ethylbenzene	ug/L	0	20	23	22	113	108	70-130	5	30	
1,2-Dichlorobenzene	ug/L	0	20	19	18	96	92	70-130	5	30	
Xylene (Total)	ug/L	0	60	70	66	117	111	70-130	6	30	
1,2-Dichloroethane-d4 (S)	%	111				107	107	70-128	0		
Toluene-d8 (S)	%	101				106	103	77-119	2		
Bromofluorobenzene (S)	%	92				91	90	86-123	1		

QC Batch: WCAg/4255 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: T1702153018, T1702153019, T1702153020, T1702153021

METHOD BLANK: 2277910

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

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

SAMPLE DUPLICATE: 2277911 Original: G1701131001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	ug/L	1.0U	1.0	0	20	

QC Batch: DGMt/2564 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 02/20/2017 12:36
Associated Lab Samples: T1702153022, T1702153023, T1702153024, T1702153025, T1702153026, T1702153027, T1702153028,

METHOD BLANK: 2278249

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

LABORATORY CONTROL SAMPLE: 2278250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	ug/L	1	1.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278251 2278252 Original: T1702153023

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.006	1	0.96	0.95	96	95	80-120	1	20	

QC Batch: WCAt/7186 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Prepared:
Associated Lab Samples: T1702153034

METHOD BLANK: 2278452

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				

CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA

Workorder: T1702153 SELF Semi-Annual

METHOD BLANK: 2278452

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

LABORATORY CONTROL SAMPLE: 2278453

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chemical Oxygen Demand	mg/L	500	520	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2278455 2278456 Original: T1702153034

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	28	500	520	520	99	98	90-110	0	10	

QC Batch: WCAg/4284 Analysis Method: SM 10200 H
QC Batch Method: SM 10200 H Prepared:
Associated Lab Samples: T1702153034

METHOD BLANK: 2280301

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

SAMPLE DUPLICATE: 2280302 Original: T1702153034

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Chlorophyll A	ug/L	1.0U	1.0	0	20	

CERTIFICATE OF ANALYSIS

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QUALITY CONTROL DATA QUALIFIERS

Workorder: T1702153 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: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153001	Field Blank			SM 4500NO3-F	WCAt/6955
T1702153002	TH-40			SM 4500NO3-F	WCAt/6955
T1702153003	TH-57			SM 4500NO3-F	WCAt/6955
T1702153004	TH-72			SM 4500NO3-F	WCAt/6955
T1702153005	TH-58			SM 4500NO3-F	WCAt/6955
T1702153006	TH-78			SM 4500NO3-F	WCAt/6955
T1702153007	TH-19			SM 4500NO3-F	WCAt/6955
T1702153018	Field Blank	Copper Sulfate Digestion	WCAt/6962	EPA 365.4	WCAt/6981
T1702153019	Stream 3A	Copper Sulfate Digestion	WCAt/6962	EPA 365.4	WCAt/6981
T1702153020	Mine Cut	Copper Sulfate Digestion	WCAt/6962	EPA 365.4	WCAt/6981
T1702153021	Stream 3C2	Copper Sulfate Digestion	WCAt/6962	EPA 365.4	WCAt/6981
T1702153001	Field Blank	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153002	TH-40	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153003	TH-57	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153004	TH-72	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153005	TH-58	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153006	TH-78	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153007	TH-19	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153008	TH-36A	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153009	TH-68	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153011	TH-69A	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153012	TH-64	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153013	TH-61A	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153014	TH-61	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153015	TH-65	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153016	TH-28A	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153018	Field Blank	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153019	Stream 3A	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153020	Mine Cut	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153021	Stream 3C2	SW-846 3010A	DGMt/2502	SW-846 6010	ICPt/1931
T1702153018	Field Blank			SM 2540D	WCAt/6970

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153019	Stream 3A			SM 2540D	WCAt/6970
T1702153020	Mine Cut			SM 2540D	WCAt/6970
T1702153021	Stream 3C2			SM 2540D	WCAt/6970
T1702153018	Field Blank			SM 5210B	WCAt/6975
T1702153019	Stream 3A			SM 5210B	WCAt/6975
T1702153020	Mine Cut			SM 5210B	WCAt/6975
T1702153021	Stream 3C2			SM 5210B	WCAt/6975
T1702153018	Field Blank			SM 9222D	MICt/2465
T1702153019	Stream 3A			SM 9222D	MICt/2465
T1702153020	Mine Cut			SM 9222D	MICt/2465
T1702153001	Field Blank	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153002	TH-40	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153003	TH-57	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153004	TH-72	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153005	TH-58	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153006	TH-78	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153007	TH-19	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153008	TH-36A	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153009	TH-68	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153011	TH-69A	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153012	TH-64	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153013	TH-61A	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153014	TH-61	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153015	TH-65	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153016	TH-28A	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153018	Field Blank	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153019	Stream 3A	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153020	Mine Cut	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421
T1702153021	Stream 3C2	SW-846 3010A	DGMj/2517	SW-846 6020	ICMj/1421

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153008	TH-36A			SM 4500NO3-F	WCAt/6986
T1702153009	TH-68			SM 4500NO3-F	WCAt/6986
T1702153011	TH-69A			SM 4500NO3-F	WCAt/6986
T1702153012	TH-64			SM 4500NO3-F	WCAt/6986
T1702153013	TH-61A			SM 4500NO3-F	WCAt/6986
T1702153014	TH-61			SM 4500NO3-F	WCAt/6986
T1702153015	TH-65			SM 4500NO3-F	WCAt/6986
T1702153016	TH-28A			SM 4500NO3-F	WCAt/6986
T1702153018	Field Blank			SM 4500NO3-F	WCAt/6986
T1702153019	Stream 3A			SM 4500NO3-F	WCAt/6986
T1702153020	Mine Cut			SM 4500NO3-F	WCAt/6986
T1702153021	Stream 3C2			SM 4500NO3-F	WCAt/6986
T1702153034	3B2B			SM 2540D	WCAt/6990
T1702153001	Field Blank	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153002	TH-40	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153003	TH-57	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153004	TH-72	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153005	TH-58	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153006	TH-78	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153007	TH-19	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153008	TH-36A	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153009	TH-68	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153011	TH-69A	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153012	TH-64	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153013	TH-61A	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153014	TH-61	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153015	TH-65	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153016	TH-28A	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153018	Field Blank	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153019	Stream 3A	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153020	Mine Cut	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384
T1702153021	Stream 3C2	SW-846 7470A	DGMt/2513	SW-846 7470A	CVAt/1384

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153001	Field Blank			EPA 350.1	WCAt/7002
T1702153002	TH-40			EPA 350.1	WCAt/7002
T1702153003	TH-57			EPA 350.1	WCAt/7002
T1702153004	TH-72			EPA 350.1	WCAt/7002
T1702153005	TH-58			EPA 350.1	WCAt/7002
T1702153006	TH-78			EPA 350.1	WCAt/7002
T1702153007	TH-19			EPA 350.1	WCAt/7002
T1702153008	TH-36A			EPA 350.1	WCAt/7002
T1702153009	TH-68			EPA 350.1	WCAt/7002
T1702153011	TH-69A			EPA 350.1	WCAt/7002
T1702153012	TH-64			EPA 350.1	WCAt/7002
T1702153013	TH-61A			EPA 350.1	WCAt/7002
T1702153014	TH-61			EPA 350.1	WCAt/7002
T1702153015	TH-65			EPA 350.1	WCAt/7002
T1702153016	TH-28A			EPA 350.1	WCAt/7002
T1702153022	Field Blank	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153023	TH-66	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153024	TH-66A	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153025	TH-67	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153026	TH-71A	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153027	TH-70A	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153028	TH-22A	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153030	Duplicate	SW-846 3010A	DGMt/2515	SW-846 6010	ICPt/1938
T1702153022	Field Blank			EPA 350.1	WCAt/7008
T1702153023	TH-66			EPA 350.1	WCAt/7008
T1702153024	TH-66A			EPA 350.1	WCAt/7008
T1702153025	TH-67			EPA 350.1	WCAt/7008
T1702153026	TH-71A			EPA 350.1	WCAt/7008
T1702153027	TH-70A			EPA 350.1	WCAt/7008
T1702153028	TH-22A			EPA 350.1	WCAt/7008
T1702153030	Duplicate			EPA 350.1	WCAt/7008

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153001	Field Blank			SM 2540 C	WCAt/7016
T1702153002	TH-40			SM 2540 C	WCAt/7016
T1702153003	TH-57			SM 2540 C	WCAt/7016
T1702153004	TH-72			SM 2540 C	WCAt/7016
T1702153005	TH-58			SM 2540 C	WCAt/7016
T1702153006	TH-78			SM 2540 C	WCAt/7016
T1702153007	TH-19			SM 2540 C	WCAt/7016
T1702153008	TH-36A			SM 2540 C	WCAt/7016
T1702153009	TH-68			SM 2540 C	WCAt/7016
T1702153022	Field Blank	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153023	TH-66	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153024	TH-66A	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153025	TH-67	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153026	TH-71A	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153027	TH-70A	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153028	TH-22A	SW-846 3010A	DGMj/2528	SW-846 6020	ICMj/1424
T1702153018	Field Blank			SM 5310B	WCAg/4191
T1702153019	Stream 3A			SM 5310B	WCAg/4191
T1702153020	Mine Cut			SM 5310B	WCAg/4191
T1702153021	Stream 3C2			SM 5310B	WCAg/4191
T1702153034	3B2B			SM 5210B	WCAt/7023
T1702153018	Field Blank			SM 2340C	WCAt/7024
T1702153019	Stream 3A			SM 2340C	WCAt/7024
T1702153020	Mine Cut			SM 2340C	WCAt/7024
T1702153021	Stream 3C2			SM 2340C	WCAt/7024
T1702153034	3B2B			SM 2340C	WCAt/7024
T1702153018	Field Blank			DEP SOP 10/03/83	WCAt/7032
T1702153019	Stream 3A			DEP SOP 10/03/83	WCAt/7032

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153020	Mine Cut			DEP SOP 10/03/83	WCAt/7032
T1702153021	Stream 3C2			DEP SOP 10/03/83	WCAt/7032
T1702153031	Holland	SW-846 3010A	DGMt/2522	SW-846 6010	ICPt/1944
T1702153032	Barnes	SW-846 3010A	DGMt/2522	SW-846 6010	ICPt/1944
T1702153033	Keene	SW-846 3010A	DGMt/2522	SW-846 6010	ICPt/1944
T1702153034	3B2B	SW-846 3010A	DGMt/2522	SW-846 6010	ICPt/1944
T1702153022	Field Blank			SM 4500NO3-F	WCAt/7035
T1702153023	TH-66			SM 4500NO3-F	WCAt/7035
T1702153024	TH-66A			SM 4500NO3-F	WCAt/7035
T1702153025	TH-67			SM 4500NO3-F	WCAt/7035
T1702153026	TH-71A			SM 4500NO3-F	WCAt/7035
T1702153027	TH-70A			SM 4500NO3-F	WCAt/7035
T1702153028	TH-22A			SM 4500NO3-F	WCAt/7035
T1702153030	Duplicate			SM 4500NO3-F	WCAt/7035
T1702153011	TH-69A			SM 2540 C	WCAt/7036
T1702153012	TH-64			SM 2540 C	WCAt/7036
T1702153013	TH-61A			SM 2540 C	WCAt/7036
T1702153014	TH-61			SM 2540 C	WCAt/7036
T1702153015	TH-65			SM 2540 C	WCAt/7036
T1702153016	TH-28A			SM 2540 C	WCAt/7036
T1702153018	Field Blank			SM 2540 C	WCAt/7054
T1702153019	Stream 3A			SM 2540 C	WCAt/7054
T1702153020	Mine Cut			SM 2540 C	WCAt/7054
T1702153021	Stream 3C2			SM 2540 C	WCAt/7054
T1702153022	Field Blank			SM 2540 C	WCAt/7054
T1702153023	TH-66			SM 2540 C	WCAt/7054
T1702153024	TH-66A			SM 2540 C	WCAt/7054
T1702153025	TH-67			SM 2540 C	WCAt/7054
T1702153026	TH-71A			SM 2540 C	WCAt/7054

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153034	3B2B			SM 9222D	MICt/2474
T1702153035	Stream 3C2			SM 9222D	MICt/2474
T1702153030	Duplicate	SW-846 3010A	DGMj/2536	SW-846 6020	ICMj/1426
T1702153031	Holland	SW-846 3010A	DGMj/2536	SW-846 6020	ICMj/1426
T1702153032	Barnes	SW-846 3010A	DGMj/2536	SW-846 6020	ICMj/1426
T1702153033	Keene	SW-846 3010A	DGMj/2536	SW-846 6020	ICMj/1426
T1702153034	3B2B	SW-846 3010A	DGMj/2536	SW-846 6020	ICMj/1426
T1702153034	3B2B	Copper Sulfate Digestion	WCAt/7057	EPA 365.4	WCAt/7082
T1702153031	Holland			SM 4500NO3-F	WCAt/7058
T1702153032	Barnes			SM 4500NO3-F	WCAt/7058
T1702153034	3B2B			SM 4500NO3-F	WCAt/7058
T1702153033	Keene			SM 4500NO3-F	WCAt/7060
T1702153018	Field Blank			EPA 410.4	WCAt/7061
T1702153019	Stream 3A			EPA 410.4	WCAt/7061
T1702153020	Mine Cut			EPA 410.4	WCAt/7061
T1702153021	Stream 3C2			EPA 410.4	WCAt/7061
T1702153031	Holland			EPA 350.1	WCAt/7077
T1702153032	Barnes			EPA 350.1	WCAt/7077
T1702153033	Keene			EPA 350.1	WCAt/7077
T1702153001	Field Blank	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153002	TH-40	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153003	TH-57	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153004	TH-72	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153005	TH-58	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153006	TH-78	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153007	TH-19	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153008	TH-36A	SW-846 5030B	MSVt/2551	SW-846 8260B (SIM)	MSVt/2552
T1702153001	Field Blank	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153002	TH-40	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153003	TH-57	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153004	TH-72	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153005	TH-58	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153006	TH-78	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153007	TH-19	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153008	TH-36A	SW-846 5030B	MSVt/2553	SW-846 8260B	MSVt/2554
T1702153027	TH-70A			SM 2540 C	WCAt/7094
T1702153028	TH-22A			SM 2540 C	WCAt/7094
T1702153030	Duplicate			SM 2540 C	WCAt/7094
T1702153031	Holland			SM 2540 C	WCAt/7094
T1702153032	Barnes			SM 2540 C	WCAt/7109
T1702153033	Keene			SM 2540 C	WCAt/7109
T1702153034	3B2B			SM 2540 C	WCAt/7109
T1702153001	Field Blank			SM 4500-Cl-E	WCAt/7118
T1702153002	TH-40			SM 4500-Cl-E	WCAt/7118
T1702153003	TH-57			SM 4500-Cl-E	WCAt/7118
T1702153004	TH-72			SM 4500-Cl-E	WCAt/7118
T1702153005	TH-58			SM 4500-Cl-E	WCAt/7118
T1702153006	TH-78			SM 4500-Cl-E	WCAt/7118
T1702153007	TH-19			SM 4500-Cl-E	WCAt/7118
T1702153008	TH-36A			SM 4500-Cl-E	WCAt/7118
T1702153009	TH-68			SM 4500-Cl-E	WCAt/7118
T1702153011	TH-69A			SM 4500-Cl-E	WCAt/7118
T1702153012	TH-64			SM 4500-Cl-E	WCAt/7118
T1702153013	TH-61A			SM 4500-Cl-E	WCAt/7118
T1702153014	TH-61			SM 4500-Cl-E	WCAt/7118

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153015	TH-65			SM 4500-Cl-E	WCAt/7118
T1702153016	TH-28A			SM 4500-Cl-E	WCAt/7118
T1702153022	Field Blank			SM 4500-Cl-E	WCAt/7119
T1702153023	TH-66			SM 4500-Cl-E	WCAt/7120
T1702153024	TH-66A			SM 4500-Cl-E	WCAt/7120
T1702153025	TH-67			SM 4500-Cl-E	WCAt/7120
T1702153026	TH-71A			SM 4500-Cl-E	WCAt/7120
T1702153027	TH-70A			SM 4500-Cl-E	WCAt/7120
T1702153028	TH-22A			SM 4500-Cl-E	WCAt/7120
T1702153030	Duplicate			SM 4500-Cl-E	WCAt/7120
T1702153031	Holland			SM 4500-Cl-E	WCAt/7121
T1702153032	Barnes			SM 4500-Cl-E	WCAt/7121
T1702153033	Keene			SM 4500-Cl-E	WCAt/7121
T1702153034	3B2B			SM 5310B	WCAg/4235
T1702153034	3B2B			DEP SOP 10/03/83	WCAt/7143
T1702153010	Trip Blank	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153011	TH-69A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153012	TH-64	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153013	TH-61A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153014	TH-61	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153015	TH-65	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153016	TH-28A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153017	Trip Blank	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153018	Field Blank	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153019	Stream 3A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153020	Mine Cut	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153021	Stream 3C2	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153022	Field Blank	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153023	TH-66	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153025	TH-67	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153026	TH-71A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153027	TH-70A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153028	TH-22A	SW-846 5030B	MSVt/2579	SW-846 8260B (SIM)	MSVt/2580
T1702153010	Trip Blank	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153011	TH-69A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153012	TH-64	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153013	TH-61A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153014	TH-61	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153015	TH-65	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153016	TH-28A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153017	Trip Blank	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153018	Field Blank	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153019	Stream 3A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153020	Mine Cut	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153021	Stream 3C2	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153022	Field Blank	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153023	TH-66	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153025	TH-67	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153026	TH-71A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153027	TH-70A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153028	TH-22A	SW-846 5030B	MSVt/2581	SW-846 8260B	MSVt/2582
T1702153009	TH-68	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153024	TH-66A	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153029	Trip Blank	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153030	Duplicate	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153031	Holland	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153032	Barnes	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153033	Keene	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587
T1702153034	3B2B	SW-846 5030B	MSVt/2586	SW-846 8260B (SIM)	MSVt/2587

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153009	TH-68	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153024	TH-66A	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153029	Trip Blank	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153030	Duplicate	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153031	Holland	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153032	Barnes	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153033	Keene	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153034	3B2B	SW-846 5030B	MSVt/2588	SW-846 8260B	MSVt/2589
T1702153018	Field Blank			SM 10200 H	WCAg/4255
T1702153019	Stream 3A			SM 10200 H	WCAg/4255
T1702153020	Mine Cut			SM 10200 H	WCAg/4255
T1702153021	Stream 3C2			SM 10200 H	WCAg/4255
T1702153022	Field Blank	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153023	TH-66	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153024	TH-66A	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153025	TH-67	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153026	TH-71A	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153027	TH-70A	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153028	TH-22A	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153030	Duplicate	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153031	Holland	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153032	Barnes	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153033	Keene	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153034	3B2B	SW-846 7470A	DGMt/2564	SW-846 7470A	CVAt/1394
T1702153034	3B2B			EPA 410.4	WCAt/7186
T1702153034	3B2B			SM 10200 H	WCAg/4284
T1702153002	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153003	TH-57	Field Measurements	FLDt/	Field Measurements	FLDt/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1702153 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1702153004	TH-72	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153005	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153006	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153007	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153008	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153009	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153011	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153012	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153013	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153014	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153015	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153016	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153018	Field Blank	Calculation	CLCt/	Calculation	CLCt/
T1702153019	Stream 3A	Calculation	CLCt/	Calculation	CLCt/
T1702153019	Stream 3A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153020	Mine Cut	Calculation	CLCt/	Calculation	CLCt/
T1702153020	Mine Cut	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153021	Stream 3C2	Calculation	CLCt/	Calculation	CLCt/
T1702153021	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153023	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153024	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153025	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153026	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153027	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153028	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153031	Holland	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153032	Barnes	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153033	Keene	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153034	3B2B	Calculation	CLCt/	Calculation	CLCt/
T1702153034	3B2B	Field Measurements	FLDt/	Field Measurements	FLDt/
T1702153035	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/

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

T702153

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	Field Blank	—	2/6/17	935	DI	8	PRESERVATION	X	X	X	X	X	X					W1
	TH - 40	G	2/6/17	939	GW	8		X	X	X	X	X	X					W2
	TH - 57	G	2/6/17	1008	GW	8		X	X	X	X	X	X					W3
	TH - 72	G	2/6/17	1112	GW	8		X	X	X	X	X	X					W4
	TH - 58	G	2/6/17	1147	GW	8		X	X	X	X	X	X					W5
	TH - 78	G	2/6/17	1244	GW	8		X	X	X	X	X	X					W6
	TH - 19	G	2/6/17	1324	GW	8		X	X	X	X	X	X					W7
	TH - 36A	G	2/6/17	1405	GW	8		X	X	X	X	X	X					W8
	TH - 68	G	2/6/17	1450	GW	8		X	X	X	X	X	X					W9
	TRIP BLANK	—	—	—	DI	3		X										D10

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		2/6/17	1600		2/6/17	1600
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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☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
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☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

TD02153

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

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-69A	G	2/7/17	1114	GW	8		X	X	X	X	X	X	01
	TH-64	G	2/7/17	1146	GW	8		X	X	X	X	X	X	02
	TH-61A	G	2/7/17	1227	GW	8		X	X	X	X	X	X	03
	TH-61	G	2/7/17	1249	GW	8		X	X	X	X	X	X	04
	TH-65	G	2/7/17	1322	GW	8		X	X	X	X	X	X	05
	TH-28A	G	2/7/17	1501	GW	8		X	X	X	X	X	X	06
	Trip Blank	—	—	—	DI	2		X						07

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 9.8 (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		2/7/17	1627		2/7/17	1627
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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☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

TD02153

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 / M. Townsel
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	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Unionized Ammonia	Total Hardness as CaCO3	BOD-5	Fe, Hg	Nitrate	TDS, TSS	TOC	Fecal Coliform	Total Phosphorous	LABORATORY I.D. NUMBER
	Field Blank	MDT G	2/7/17	943	MDT DI SW	13			X	X	X	X	X	X	X	X	X	X	018
	Stream 3A	G	2/7/17	930	SW	13			X	X	X	X	X	X	X	X	X	X	019
	Mine Cut	G	2/7/17	1400	SW	13			X	X	X	X	X	X	X	X	X	X	020
	Stream 3C2	G	2/7/17	1530	SW	13			X	X	X	X	X	X	X	X	X	X	021
													X MDT				Sample Broken in Client Lab		

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 4.8 (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	MDT	2/7/17	1627		2/7/17	1627
2						
3						
4						

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

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

Advanced Environmental Laboratories, Inc.

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

TTN2153

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: Chlorophyll A	Nitrogen	COD	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
	Field Blank	—	2/7/17	~~943~~ DE MDT	DI	13		X	X	X		018 ~~022~~
	Stream 3A	G	2/7/17	930	SW	13		X	X	X		019 ~~023~~
	Mine Cut	G	2/7/17	1400	SW	13		X	X	X		020 ~~024~~
	Stream 3C2	G	2/7/17	1530	SW	13		X	X	X		021 ~~025~~
												022 2/7/17

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		2/7/17	1627			
2						
3						

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

PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

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☐ **Jacksonville:** 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 904.363.9350 • Fax 904.363.9354
☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

T1702153

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 / M. Townsel
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	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	Field Blank	—	2/8/17	944 (MST) 1025	DI	8			X	X	X	X	X	X					022
	TH-66	G	2/8/17	1025	GW	8			X	X	X	X	X	X					023
	TH-66A	G	2/8/17	945	GW	8			X	X	X	X	X	X					024
	TH-67	G	2/8/17	1203	GW	8			X	X	X	X	X	X					025
	TH-71A	G	2/8/17	1404	GW	8			X	X	X	X	X	X					026
	TH-70A	G	2/8/17	1445	GW	8			X	X	X	X	X	X					027
	TH-22A	G	2/8/17	1537	GW	8			X	X	X	X	X	X					028
	Trip Blank	—	—	—	DI	2			X										029
	Duplicate	—	2/8/17	—	GW	8			X	X	X	X	X	X					030

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

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

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

Form revised 09/19/2012

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		2/8/17	1640		2/8/17	1640
2						
3						

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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☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

T170 2153

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 / M. Townsel
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	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	Holland	G	2/9/17	1249	GW	8			X	X	X	X	X	X					031
	Barnes	G	2/9/17	1322	GW	8			X	X	X	X	X	X					032
	Keene	G	2/9/17	1349	GW	8			X	X	X	X	X	X					033

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 5.5 (in degrees celcius)

Form revised 09/19/2012

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		2/9/17	1701		2/9/17	1701
2						
3						

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

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

Advanced Environmental Laboratories, Inc.

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

T1702153

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	40 CFR Part 258 Appendix I	Unionized Ammonia	Total Hardness as CaCO3	BOD-5	Fe, Hg	Nitrate	TDS, TSS	TOC	Fecal Coliform	Total Phosphorous	LABORATORY I.D. NUMBER
	3B2B	G	2/9/17	1525	SW	-		X	X	X	X	X	X	X	X	X	X	034
	Stream 3C2	G	2/9/17	1210	SW	1										X		035

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

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received_____(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		2/9/17	1701		2/9/17	1701
2						
3						
4						

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

PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

Advanced
Environmental Laboratories, Inc.

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

T170 2153

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: Chlorophyll A	Nitrogen	COD								LABORATORY I.D. NUMBER
	3B2B	G	2/9/17	1525	SW	-			X	X	X								034

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		2/9/17	1701		2/9/17	1701
2						
3						
4						

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

PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Field Blank	SAMPLE ID: Field Blank	DATE: 2/6/17

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
MDT
2/6/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 935	SAMPLING ENDED AT: 938
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~~ DEDICATED TUBING Y ~~N~~ (replaced) DEDICATED		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 C.O.C. FOR SAMPLE ANALYSIS**

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-40	SAMPLE ID: TH-40	DATE: 2/6/17

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): 97.77	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 – 97.77 feet) X 0.16 gallons/foot = 10.90 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: 924	PURGING ENDED AT: 939	TOTAL VOLUME PURGED (gallons): 15

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
935	11	11	1.0	97.77	7.92	23.44	470	0.36 (mg/L)	0.62	Clear	None
937	2	13	1.0	97.77	7.99	23.46	462	0.21 ~~0.52~~	~~0.21~~ 0.50	Clear	None
939	2	15	1.0	97.77	8.01	23.46	453	0.20	~~0.55~~ 0.20 (MDT)	Clear	None
					(MDT)		2/6/17				

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 939	SAMPLING ENDED AT: 943
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) Dedicated	TUBING Y (N) (replaced) Dedicated	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS ORP 935 (-29.2) 937 (-51.4) 939 (-66.4)

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-57	SAMPLE ID: TH-57	DATE: 2/6/17

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): 19.30	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 – 19.30 feet) X 0.16 gallons/foot = 1.20 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: 959	PURGING ENDED AT: 1008	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)
1004	1.2	1.2	0.24	19.43	5.21	27.58	306	0.40	0.69	Clear	None
1006	0.48	1.68	0.24	19.43	5.23	27.60	307	0.34	0.57	Clear	None
1008	0.48	2.16	0.24	19.43	5.25	27.65	309	0.23	0.58	Clear	None

MDT 2/6/17

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 / m. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1008	SAMPLING ENDED AT: 1011
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) Dedicated TUBING Y (N) replaced Dedicated DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** 1004 ORP (-178.7) 1006 (-181.0) 1008 (-187.3)

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-72	SAMPLE ID: TH-72	DATE: 2/6/17

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): 99.83	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 – 99.83 feet) X 0.16 gallons/foot = 14.43 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: MDT 1040 ~~1027~~	PURGING ENDED AT: 1112	TOTAL VOLUME PURGED (gallons): 16.96

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)
1108	14.84	14.84	0.53	99.83	7.21	23.54	2065	0.88	0.73	Clear	None
1110	1.06	15.90	0.53	99.83	7.20	23.52	2066	0.86	0.66	Clear	None
1112	1.06	16.96	0.53	99.83	7.20	23.54	2070	0.82	0.82	Clear	None
							MDT				
							2/6/17				

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1112	SAMPLING ENDED AT: 1116
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) Dedicated TUBING Y (N) (replaced) Dedicated DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP 1108 (-163) 1110 (-159.4) 1112 (-159)

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: 2/6/17

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): 28.26	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)

= (32.92 feet – 28.26 feet) X 0.16 gallons/foot = 0.75 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): 31.92	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.92	PURGING INITIATED AT: 1134	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 2.08

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)
1139	0.8	0.8	0.16	28.46	6.21	26.61	403	2.09	5.06	Clear	None
1141	0.32	1.12	0.16	28.46	6.17	26.67	402	1.72	3.71	Clear	None
1143	0.32	1.44	0.16	28.46	6.13	26.73	402	1.28	3.72	Clear	None
1145	0.32	1.76	0.16	28.46	6.11	26.72	402	1.18	3.76	Clear	None
1147	0.32	2.08	0.16	28.46	6.10	26.73	402	1.08	2.92	Clear	None
							MDT	2/6/17			

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1151
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) Dedicated	TUBING Y (N) (replaced) Dedicated	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

1145 (-55.6) 1147 (-60.4)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP 1139 (-35.4) 1141 (-46.2) 1143 (-53.2)

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-78	SAMPLE ID: TH-78	DATE: 2/6/17

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): 81.77	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 – 81.77 feet) X 0.16 gallons/foot = 15.42 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: 1210	PURGING ENDED AT: 1244	TOTAL VOLUME PURGED (gallons): 17.72

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)
1240	15.60	15.60	0.53	81.82	9.33	23.12	544	0.15	2.88	Clear	None
1242	1.06	16.66	0.53	81.82	9.21	23.16	566	0.16	2.40	Clear	None
1244	1.06	17.72	0.53	81.82	9.16	23.13	568	0.13	1.88	Clear	None

mpt 2/6/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1244	SAMPLING ENDED AT: 1247
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** 1240 (-216.2) 1242 (-188.4) 1244 (-201.6)

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-19	SAMPLE ID: TH-19	DATE: 2/6/17

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): 102.40	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 – 102.40 feet) X 0.16 gallons/foot = 8.19 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: 1311	PURGING ENDED AT: 1324	TOTAL VOLUME PURGED (gallons): 13

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)
1320	9	9	1.0	102.52	7.21	23.45	473	0.17	0.60	Clear	None
1322	2	11	1.0	102.52	7.22	23.46	472	0.17	0.93	Clear	None
1324	2	13	1.0	102.52	7.21	23.46	472	0.16	0.49	Clear	None

MDT 2/6/17

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 / m. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1324	SAMPLING ENDED AT: 1327
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP 1320 (-112.0) 1322 (-112.2) 1324 (-120.4)

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-36A	SAMPLE ID: TH-36A	DATE: 2/6/17

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): 33.24	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 – 33.24 feet) X 0.16 gallons/foot = ~~1.42~~ 0.88 MDT 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: 1352	PURGING ENDED AT: 1405	TOTAL VOLUME PURGED (gallons): 1.3

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)
1401	0.9	0.9	0.1	33.39	5.46	25.43	215	1.39	8.75	Clear	None
1403	0.2	1.1	0.1	33.39	5.44	25.43	213	1.17	7.08	Clear	None
1405	0.2	1.3	0.1	33.39	5.42	25.42	212	0.99	6.84	Clear	None

MDT 2/6/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1408
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1401 (10.2) 1403 (9.4) 1405 (8.3)

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-68	SAMPLE ID: TH-68	DATE: 2/6/17

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): 16.42	PURGE PUMP TYPE OR BAILER: BP

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

= (22.2 feet – 16.42 feet) X 0.16 gallons/foot = 0.92 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: 1422	PURGING ENDED AT: 1450	TOTAL VOLUME PURGED (gallons): 1.4

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)
1442	1.0	1.0	0.05	19.92	5.24	27.28	290	1.58	79.2	Cloudy Lt Brown	None
1444	0.1	1.1	0.05	19.92	5.24	27.14	289	1.72	72.8	Same	None
1446	0.1	1.2	0.05	19.92	5.25	27.02	288	1.83	85.5	Same	None
1448	0.1	1.3	0.05	19.92	5.23	26.95	288	1.88	65.5	Same	None
1450	0.1	1.4	0.05	19.92	5.24	26.88	287	1.88	66.2	Same	None

MDT 2/6/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1450	SAMPLING ENDED AT: 1457
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) Dedicated	TUBING Y (N) Replaced Dedicated	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			

1448 (95.3) 1450 (99.7)
1442 (87.3) 1444 (90.2) 1446 (91.4)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS**

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: 2/7/17

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): 25.66	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)

= (35 feet – 25.66 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): 34	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34	PURGING INITIATED AT: 11:04	PURGING ENDED AT: 1114	TOTAL VOLUME PURGED (gallons): 2.60

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)
1110	1.56	~~1.56~~ ~~0.26~~	0.26	25.79	6.24	25.60	548	0.78	2.04	Clear	None
1112	0.52	~~2.08~~ ~~0.26~~	0.26	25.79	6.23	25.62	546	0.60	1.91	Clear	None
1114	0.52	2.60	0.26	25.79	6.23	25.64	545	0.51	1.73	Clear	None

MDT 2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:14	SAMPLING ENDED AT: 11:18
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1110 (-39) 1112 (-41.7) 1114 (-45.4)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-64	SAMPLE ID: TH-64	DATE: 2/7/17

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): 18.50	PURGE PUMP TYPE OR BAILER: BP

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

= (19.20 feet – 18.50 feet) X 0.16 gallons/foot = 0.11 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: 1135	PURGING ENDED AT: 1146	TOTAL VOLUME PURGED (gallons): 0.55

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)
1138	0.15	0.15	0.05	18.59	5.17	26.08	303	1.50	148	Cloudy	None
1140	0.1	0.25	0.05	18.59	5.18	26.11	303	1.51	175	Cloudy	None
1142	0.1	0.35	0.05	18.59	5.15	26.16	301	1.08	169	Cloudy	None
1144	0.1	0.45	0.05	18.59	5.14	26.18	299	0.91	162	Cloudy	None
1146	0.1	0.55	0.05	18.59	5.13	26.17	296	0.77	138	Cloudy	None
~~1148~~	~~0.1~~	~~0.65~~	MDT								
						MDT					
							2/7/17				

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1146	SAMPLING ENDED AT: 1154
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) Dedicated TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

ORP 1144 (38.4) 1146 (16.3)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** 1138 (116.1) 1140 (105.6) 1142 (52.3)

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-61A	SAMPLE ID: TH-61A	DATE: 2/7/17

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): 18.60	PURGE PUMP TYPE OR BAILER: BP

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

= (23.18 feet − 18.60 feet) X 0.16 gallons/foot = 0.73 gallons

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: 1209	PURGING ENDED AT: 1227	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)
1217	0.8	0.8	0.1	19.44	5.97	25.85	341	1.71	29.5	Slightly cloudy	None
1219	0.2	1.0	0.1	19.45	5.95	25.99	335	1.76	25.6	Slightly cloudy	None
1221	0.2	1.2	0.1	19.45	5.92	26.11	329	1.65	22.6	Slightly cloudy	None
1223	0.2	1.4	0.1	19.45	5.92	26.08	326	1.48	14.4	Clear	None
1225	0.2	1.6	0.1	19.45	5.92	26.09	324	1.22	12.5	Clear	None
1227	0.2	1.8	0.1	19.45	5.91	26.08	320	1.31	8.75	Clear	None
						MDT		2/7/17			

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1227	SAMPLING ENDED AT: 1233
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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			
						1223 (-153.2)	1225 (-157.9)		1227 (-162.1)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP 1217 (-139.6) 1219 (-144.5) 1221 (-148)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-61	SAMPLE ID: TH-61	DATE: 2/7/17

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): 18.00	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 − 18.00 feet) X 0.16 gallons/foot = 1.26 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: 1240	PURGING ENDED AT: 1249	TOTAL VOLUME PURGED (gallons): 2.34

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)
1245	1.3	1.3	0.26	18.87	5.65	25.85	165	0.50	3.08	Clear	None
1247	0.52	1.82	0.26	18.87	5.62	25.86	159	0.45	2.50	Clear	None
1249	0.52	2.34	0.26	18.87	5.60	25.84	155	0.36	2.42	Clear	None

MD 2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1255
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) Dedicated	TUBING Y (N) Replaced Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1245 (-112.8) 1247 (-123.2) 1249 (-133.6)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-65	SAMPLE ID: TH-65	DATE: 2/7/17

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): 14.77	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 – 14.77 feet) X 0.16 gallons/foot = 1.32 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: 1309	PURGING ENDED AT: 1322	TOTAL VOLUME PURGED (gallons): 2.08

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)
1318	1.44	1.44	0.16	16.25	5.54	25.15	263	0.61	3.12	Clear	None
1320	0.32	1.76	0.16	16.25	5.56	25.08	262	0.41	2.82	Clear	None
1322	0.32	2.08	0.16	16.25	5.57	25.15	262	0.34	3.15	Clear	None

MDC 2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1322	SAMPLING ENDED AT: 1328
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1318 (-146.3) 1320 (-150) 1322 (-152.3)

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-28A	SAMPLE ID: TH-28A	DATE: 2/7/17

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): 28.57	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)

= (34.3 feet – 28.57 feet) X 0.16 gallons/foot = 0.92 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: 1448 1438	PURGING ENDED AT: 1501	TOTAL VOLUME PURGED (gallons): 1.43

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)
MDT 1437 1445 1438	0.99	0.99	0.11	28.70	5.24	27.10	298	1.18	4.31	Clear	None
MDT 1439 1451	0.22	1.21	0.11	28.70	5.25	27.10	300	1.38	4.77	Clear	None
MDT 1441 1501	0.22	1.43	0.11	28.70	5.24	27.11	298	1.28	3.78	Clear	None

MDT 2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1501	SAMPLING ENDED AT: 1504
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) Dedicated TUBING Y N (replaced) Dedicated		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP 1457 (-74.6) 1459 (-75) 1501 (-77.2)

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: Field Blank	SAMPLE ID: Field Blank	DATE: 2/7/17

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 2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 943	SAMPLING ENDED AT: 950
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) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS**

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: 2/7/17

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:

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)
930	N/A	N/A	N/A	1.06	6.53	17.71	367	0.09	2.47	Clear	None
						MDT					
						2/7/17					

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 930	SAMPLING ENDED AT: 942
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) (MPT Dedicated) ~~TUBING~~ Y (N (replaced) Dedicated)		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 C.O.C. FOR SAMPLE ANALYSIS** ORP: (-217.7)

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: Mine-Cut	SAMPLE ID: Mine-Cut	DATE: 2/7/17

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: BAILER

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

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

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1400	N/A	N/A	N/A	MDT ~~N/A~~ 2.18	6.46	20.92	457	0.29	~~37.2~~ 20.1 MDT	SI: slightly cloudy	None
						MDT	2/7/17				

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 / M. Townsend	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1406
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~~ Dedicated ~~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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1400 (-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: Stream 3C2	SAMPLE ID: Stream 3C2	DATE: 2/7/17

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:

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)
1530	N/A	N/A	N/A	1.28	7.03	20.83	390	7.13	1.08	Clear	None

mDL
2/7/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1530	SAMPLING ENDED AT: 1540
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 Dedicated ~~TUBING~~ Y ~~N (replaced)~~ Dedicated		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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1530 (140.1)

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-66	SAMPLE ID: TH-66	DATE: 2/8/17

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): 12.32	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 – 12.32 feet) X 0.16 gallons/foot = 1.44 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	PURGING INITIATED AT: 1013	PURGING ENDED AT: 1025	TOTAL VOLUME PURGED (gallons): 3.12

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1019	1.56	1.56	0.26	12.25	6.04	24.14	331	1.33	24.2	Slightly cloudy	None
1021	0.52	2.08	0.26	12.25	5.99	24.10	334	0.56	11.6	Clear	None
1023	0.52	2.60	0.26	12.25	5.97	24.09	336	0.39	8.17	Clear	None
1025	0.52	3.12	0.26	12.25	5.97	24.09	337	0.28	6.17	Clear	None

MDT 2/8/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT: 1030
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) Dedicated TUBING Y ~~N (replaced)~~ Dedicated 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 C.O.C. FOR SAMPLE ANALYSIS** 1019 (-3.1) 1021 (-4.2) 1023 (-7.3) MDT 1025 (-12.4)

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-66A	SAMPLE ID: TH-66A	DATE: 2/8/17

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): 9.97	PURGE PUMP TYPE OR BAILER: BP

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

= (15.37 feet – 9.97 feet) X 0.16 gallons/foot = 0.86 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: 928	PURGING ENDED AT: 945	TOTAL VOLUME PURGED (gallons): 1.19

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)
941 959 (MDT)	0.91	0.91	0.07	11.45	6.18	23.63	580	0.73	2.38	Clear	None
943 1001	0.14	1.05	0.07	11.45	6.19	23.66	580	0.69	1.18	Clear	None
945 1003	0.14	1.19	0.07	11.45	6.18	23.68	580	0.64	1.06	Clear	None

MDT 2/8/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 945	SAMPLING ENDED AT: 1004
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) Dedicated TUBING Y (N) (replaced) Dedicated		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

MDT MDT MDT

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP: 941 ~~959~~ (-60.6) 943 ~~1001~~ (-64) 945 1003 (-69.2)

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: 2/8/17

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): 6.58	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 – 6.58 feet) X 0.16 gallons/foot = 1.39 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: 1131	PURGING ENDED AT: 1203	TOTAL VOLUME PURGED (gallons): 2.56

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1149	1.44	1.44	0.08	8.15	6.43	24.36	3809	1.45	27.1	Slightly cloudy	Leachate
1151	0.16	1.60	0.08	8.15	6.43	24.38	3812	1.36	24	Slightly cloudy	Leachate
1153	0.16	1.76	0.08	8.15	6.42	24.38	3815	1.28	22.9	Slightly cloudy	Leachate
1155	0.16	1.92	0.08	8.15	6.41	24.39	3818	1.16	20.1	Slightly cloudy	Leachate
1157	0.16	2.08	0.08	8.15	6.41	24.46	3827	1.21	9.12	Clear	Leachate
1159	0.16	2.24	0.08	8.15	6.42	24.46	3828	2.29	5.59	Clear	Leachate
1201	0.16	2.40	0.08	8.15	6.44	24.52	3836	2.09	3.91	Clear	Leachate
1203	0.16	2.56	0.08	8.15	6.44	24.52	3830	2.13	8.72	Clear	Leachate

MDT 2/8/17

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 / MJ Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1203	SAMPLING ENDED AT: ~~1212~~ 1235 MDT
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) Dedicated	TUBING Y (N) ~~(replaced)~~ Dedicated	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			
							1201 (-41.8)	1203 (-41.7)	
							1155 (-42)	1157 (-42.2)	1159 (-42.6)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP: 1149 (-41.7) 1151 (-41.6) 1153 (-41.8)

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-71A	SAMPLE ID: TH-71A	DATE: 2/8/17

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): 27.60	PURGE PUMP TYPE OR BAILER: BP

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

= (37.78 feet – 27.60 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): 36.78	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78	PURGING INITIATED AT: 1355	PURGING ENDED AT: 1404	TOTAL VOLUME PURGED (gallons): 3.06

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)
1400	1.70	1.70	0.34	27.93	6.23	24.76	1577	0.44	14.3	Clear	None
1402	0.68	2.38	0.34	27.93	6.22	24.75	1578	0.35	7.06	Clear	None
1404	0.68	3.06	0.34	27.93	6.22	24.73	1578	0.20	5.65	Clear	None

MDT 2/8/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1404	SAMPLING ENDED AT: 1412
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) Dedicated	TUBING Y N (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1400 (-34.2) 1402 (-39.2) 1404 (-42.8)

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

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

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-70A	SAMPLE ID: TH-70A	DATE: 2/8/17

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): 27.31	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 – 27.31 feet) X 0.16 gallons/foot = 1.48 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: 1422	PURGING ENDED AT: 1445	TOTAL VOLUME PURGED (gallons): 7.59

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)
1427	1.65	1.65	0.33	27.40	6.37	26.00	680	1.55	104	Cloudy Rust	None
1429	0.66	2.31	0.33	27.40	6.37	26.05	680	1.50	95.4	Cloudy Rust	None
1431	0.66	2.97	0.33	27.40	6.37	26.03	679	1.39	79.6	Cloudy Rust	None
1433	0.66	3.63	0.33	27.40	6.37	26.05	678	1.35	70.4	Cloudy Rust	None
1435	0.66	4.29	0.33	27.40	6.37	26.07	678	1.38	53	Cloudy Rust	None
1437	0.66	4.95	0.33	27.40	6.38	26.10	677	1.50	58.2	Cloudy Rust	None
1439	0.66	5.61	0.33	27.40	6.38	26.07	676	1.53	56	Cloudy Rust	None
1441	0.66	6.27	0.33	27.40	6.38	26.08	674	1.56	46.4	Cloudy Rust	None
1443	0.66	6.93	0.33	27.40	6.38	26.09	674	1.48	42.8	Cloudy Rust	None
1445	0.66	7.59	0.33	27.40	6.38	26.15	673	1.53	42.4	Cloudy Rust	None

MDT 2/8/17

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 / m. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1445	SAMPLING ENDED AT: 1450
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) Dedicated TUBING Y ~~N (replaced)~~ Dedicated 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			
							1445 (-1.9)		
							1439 (-2.4) 1441 (-1.9)		1443 (-1.8)
							1433 (-2.2) 1435 (-0.9)		1437 (-1.5)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP: 1427 (5.9) 1429 (5.5) 1431 (4.2)

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-22A	SAMPLE ID: TH-22A	DATE: 2/8/17

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): 4.94	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 – 4.94 feet) X 0.16 gallons/foot = 3.67 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26.90	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26.90	PURGING INITIATED AT: ~~1524~~ mDT 1526	PURGING ENDED AT: 1537	TOTAL VOLUME PURGED (gallons): 5.83

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)
1533	3.71	3.71	0.53	6.12	4.72	21.47	217	0.12	12.1	Clear	None
1535	1.06	4.77	0.53	6.12	4.72	21.47	217	0.21 mDT	11.9	Clear	None
1537	1.06	5.83	0.53	6.12	4.71	21.47	217	0.18	12	Clear	None
					mDT	2/8/17					

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 / m. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1537	SAMPLING ENDED AT: 1541
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) Dedicated	TUBING Y (N) ~~replaced~~ Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1533 (43.4) 1535 (40.8) 1537 (36.2)

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: Holland	SAMPLE ID: Holland	DATE: 2/9/17

PURGING DATA

WELL DIAMETER (inches): ~~N/A~~ 4" (MDT)	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: 1230	PURGING ENDED AT: 1245	TOTAL VOLUME PURGED (gallons): 95

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~mS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1246	75	75	5	N/A	7.28	24.13	475	0.02	1.09	Clear	None
1247	10	85	5	N/A	7.28	24.14	474	0.02	1.75	Clear	None
1249	10	95	5	N/A	7.28	24.14	473	0.02	1.01	Clear	None
							MDT				
							2/9/17				

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 / M. Townsend	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1254
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) Dedicated	TUBING Y ~~N (replaced)~~ Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1245 (-153.5) 1247 (-154.4) 1249 (-154.8)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Barnes	SAMPLE ID: Barnes	DATE: 2/9/17

PURGING DATA

WELL DIAMETER (inches): 4"	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: 1303	PURGING ENDED AT: 1322	TOTAL VOLUME PURGED (gallons): 95

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1318	75	75	5	N/A	7.52	23.48	431	0.01	0.66	Clear	None
1320	10	85	5	N/A	7.53	23.48	431	0.01	0.67	Clear	None
1322	10	95	5	N/A	7.52	23.45	432	0.01	0.55	Clear	None

mdr 2/9/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1322	SAMPLING ENDED AT: 1326
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) Dedicated	TUBING Y (N) (replaced) Dedicated	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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1318 (-97.2) 1320 (-98.1) 1322 (-99.3)

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: Keene	SAMPLE ID: Keene	DATE: 2/9/17

PURGING DATA

WELL DIAMETER (inches): 5	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: 1330	PURGING ENDED AT: 1349	TOTAL VOLUME PURGED (gallons): 95

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1345	75	75	5	N/A	7.63	~~25.82~~ 26.42	416	0.05	0.68	Clear	None
1347	10	85	5	N/A	7.62	~~25.85~~ 26.42	426	0.10	0.62	Clear	None
1349	10	95	5	N/A	7.62	26.44	424	0.11	0.63	Clear	None
						MDT	2/9/17				

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1349	SAMPLING ENDED AT: 1353
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) Dedicated TUBING Y ~~N~~ (replaced) Dedicated 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			
									1349

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** ORP: 1345 (-70) 1347 (-71.4) (-74.2)

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: 3B2B	SAMPLE ID: 3B2B	DATE: 2/9/17

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:

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)
1525	N/A	N/A	N/A	N/D	6.78	22.83	452	5.33	1.69	clear	none

JF 2/9/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1525	SAMPLING ENDED AT: 1531
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 C.O.C. FOR SAMPLE ANALYSIS** ORP: 1525 (77.2)

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: Stream 3C2	SAMPLE ID: Stream 3C2	DATE: 2/9/17

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:

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: ~~1210~~ NA MDT	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)
1210	N/A	N/A	N/A	1.32	7.09	21.98	658	7.04	N/A	Clear	None

MDT 2/9/17

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1210	SAMPLING ENDED AT: 1215
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y ~~N (replaced)~~	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: **SEE C.O.C. FOR SAMPLE ANALYSIS** 1210 ORP: (57.2)

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: Field Blank	SAMPLE ID: Field Blank	DATE: 2/8/17

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
2/8/17 MDT

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 / M. Townsel	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:44	SAMPLING ENDED AT: 9:47
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 C.O.C. FOR SAMPLE ANALYSIS

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.: T1702153

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual

I. Receipt

[SAMPLE] was frozen to extend the hold time per EPA method 547.

The dissolved metals were received unfiltered for . As required by the FDEP field SOPs, dissolved metals must be filtered in the field, prior to receipt at the laboratory. The samples were filtered upon receipt at the laboratory and analyzed.

[WORKORDER] was received at the lab outside of acceptance criteria, [TEMPERATURE], with no signs of ice in the cooler.

II. Holding Times

Preparation:

Analysis:

III. Method

Analysis: SW-846 6020

Preparation: SW-846 3010A

IV. Preparation

V. Analysis

A. Calibration:

B. Blanks:

C. Duplicates:

D. Spikes: The matrix spike recovery of Selemium, Silver, and Barium for J1701593003 was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The affected sample is qualified to indicate matrix interference.

E. Serial Diluion:

F. Samples:

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.: T1702153

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 5310B

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: M1700523002 and M1700545001 were flagged J4 due to matrix interference. Both samples were very turbid, which required them to be ran at a 4x and 10x. The remaining QC was within limits, which indicates the batch was in control.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1702153

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 recovery of Total Phosphorus for T1702153021 (MS 113%) was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike Duplicate (MSD) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample has been 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:

_____

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Jacksonville, Florida 32216
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Fax (904) 363-9354

Project No.: T1702153

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 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 recoveries of Nitrate for T1702385001 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.

E. Serial Diluion:

F. Samples:

G. Other:

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_____

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Jacksonville, Florida 32216
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Fax (904) 363-9354

Project No.: T1702153

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 Chloride for T1702153030 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:

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_____

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Jacksonville, Florida 32216
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Fax (904) 363-9354

Project No.: T1702153

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 Chloride for A1701222001 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:

_____