DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date

DEP Application No.

Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Southeast County Landfill

Address 15960 C. R. 672

City Lithia, FL Zip 33503

Telephone Number (813) 671-7707

(2) The GMS Identification Number 4029C30075

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

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

Address 332 North Falkenburg Road

City Tampa, Florida Zip 33619

Telephone Number (813) 612-7757

(5) Type of Discharge Groundwater – Potential Only

(6) Method of Discharge Landfill

Certification

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

Date: 11/22/19

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

November 22, 2019

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

SUBJECT: **Southeast County Landfill**
Solid Waste Operations Permit No. 35435-022-SO/01
Water Quality Monitoring Report – August 2019

Dear Mr. Morgan:

In accordance with Solid Waste Operation Permit No. 35435-022-SO/01, the Hillsborough County Public Utilities Department (County) has prepared the August 2019 water quality monitoring report for the Southeast County Landfill (SCLF). In accordance with the permit, the monitoring plan included the collection of representative groundwater and surface water samples from sixteen (16) surficial aquifer monitoring wells, four (4) upper Floridan aquifer monitoring wells, and four (4) surface water sampling locations. All groundwater and surface water samples were collected during the week of August 12-16, 2019. Parameter analysis was completed by our contracted laboratory, Advanced Environmental Laboratories, Inc. (AEL). A site map of each monitoring location is depicted in **Figure 1**.

Surficial Aquifer Monitoring Wells

The following paragraphs provide a brief discussion of the parameter-specific water quality observations across the site. Groundwater analytical data for the August 2019 semi-annual monitoring event is included in **Table 1** and **Table 2**.

pH

Each surficial aquifer monitoring well continues to exhibit pH values below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units from 4.77 to 6.41 pH

units. Background water quality recorded prior to landfill construction and operation established pH below the acceptable range within the surficial aquifer and remains consistent with the historical data set.

Total Dissolved Solids (TDS)

Surficial aquifer detection well TH-69A exceeded the SDWS of 500 mg/l at a concentration of 540 mg/l. Over the period of record, TDS has periodically exceeded the standard due to the anaerobic environment where low D.O. and iron producing microbial processes are ongoing in the groundwater. The breakdown of the organic material and iron rich soils create iron bacteria and ferrous hydroxide, elevating the TDS in the groundwater. The County believes the organic process shall continue and periodic exceedances of TDS west of the section 9 waste area shall be exhibited.

Surficial aquifer detection monitoring well, TH-71A, located down gradient northwest of Section 9, exhibited TDS at a concentration of 920 mg/l and is consistent with water quality results since 2014.

Gradient improvements to the storm water system for Section 9 were completed in 2014 and again in August 2019 to allow proper drainage away from the landfill footprint and monitoring locations. The County will continue to closely monitor water quality in TH-71A to analyze the effectiveness of the storm water improvements. A historical groundwater table and data charts for TH-71A are included in **Appendix A**.

Chloride

Chloride was detected above the SDWS in TH-71A at 310 mg/l and has been consistently elevated since August 2016. Impacts to groundwater are directly related to storm water control on the northwest corner of Section 9; however, the County has implemented gradient improvements to the area allowing for storm water runoff to effectively discharge away from the landfill footprint and monitoring locations.

Total Ammonia

Total ammonia continues to be very low across the entire network of surficial aquifer monitoring wells. The County is closely observing TDS, chloride, and sodium values in detection well TH-71A; however, total ammonia was 1.7 mg/l. Total ammonia is a good indicator of leachate from buried solid waste and the current water quality is not exhibiting a trend at this time.

Arsenic

Arsenic was detected above the Primary Drinking Water Standard (PDWS) of 0.01 mg/l in surficial aquifer detection monitoring well TH-58 at 0.016 mg/l and detection monitoring well TH-65 at 0.013 mg/l. Each monitoring location has historically been above the standard over the period of record. Arsenic in the groundwater continues to be directly attributable to the liberation from sediments in an anaerobic environment ongoing under the lined landfill. There are no other exceedances of arsenic at the landfill and the detections present are stable and not migrating off site.

Iron

Iron was detected above the SDWS of 0.3 mg/l in a majority of the surficial aquifer detection and background water quality monitoring wells across the site. Concentrations exceeding the standard ranged from 0.31 to 62 mg/l with the highest concentrations in surficial aquifer detection wells TH-69A, TH-70A, and TH-71A along the west side of Section 9. Iron in the surficial aquifer monitoring wells has historically been elevated and documented to be present across the site prior to construction and operation of the landfill. The County maintains the position elevated iron within the surficial aquifer is naturally occurring and not attributable to landfill activities. The laboratory report from AEL is included in **Appendix B**.

Upper Floridan Aquifer (UFA) Monitoring Wells

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

Total Dissolved Solids (TDS)

Upper Floridan aquifer (UFA) monitoring well TH-72 exhibited TDS at 1,000 mg/l and is consistent with the data presented over the period of record. Elevated TDS in TH-72 is attributable to the waste from the former sinkhole in Phase VI of the landfill and the injected grout materials utilized for subsurface stabilization and remediation. Downgradient compliance point for the monitoring of Phase VI, identified as TH-78, continues to exhibit water quality within respective standards and clearly demonstrates there are no impacts to downgradient receptors.

Iron

Iron was observed above the SDWS of 0.3 mg/l in UFA monitoring well TH-72 at a concentration of 0.54 mg/l and are consistent since sinkhole stabilization activities were completed in 2015. The current semi-annual monitoring of TH-72 and the downgradient water quality in UFA

monitoring well TH-78 continues to demonstrate iron above the SDWS is not laterally migrating off site.

Surface Water Sampling Locations

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

Dissolved Oxygen

Surface water sampling locations Mine Cut 1D, Stream-3A, SW-3B2B, and Stream 3C2 exhibited dissolved oxygen at 0.76 mg/l, 0.07 mg/l, 3.28 mg/l, and 2.67 mg/l. Sample location Stream-3A is the upstream tributary to Long Flat Creek and representative of surface water entering the Southeast County Landfill property. Surface water sampling location Stream-3C2 is the discharge monitoring point for the site in the tributary to Long Flat Creek. The compiled data exhibits improving water quality across the tributary and is consistent with the historical data set.

Fecal Coliform

Surface water sample location SW-3B2B exhibited a fecal coliform detection at the surface water standard of 800 colonies/100 ml. Over the period of record, various surface water sampling locations have exhibited fecal coliform due to the large amount of biological waste generated from the many birds and other wildlife that migrate across the site.

Private Supply Wells

Representative samples from the three (3) private supply wells were discontinued as part of the semi-annual monitoring of groundwater at the SCLF. Although not required by the groundwater monitoring plan as part of the permit requirements, the County has monitored offsite supply wells for over 20 years with no adverse effects in water quality. Based upon flow direction, the supply wells are up gradient of the landfill and are not regarded as downgradient receptors. A thorough review of the historical data concludes there is no association between water quality at the supply wells and water quality observed at the landfill.

Groundwater Elevation and Flow

Groundwater and surface water elevations were recorded on August 12, 2019 and the data is presented in **Table 4**. Elevation data is collected and utilized to prepare a representative

surficial aquifer groundwater contour diagram. A diagram was prepared with a 2 ft. contour interval and is utilized to evaluate the direction of flow across the site. **Figure 2** depicts general flow direction across the landfill remains to the west/northwest with an easterly component controlled by nearby Mine Cut #1 and Mine Cut #2. Elevation data continues to be consistent with the historical evaluations of flow within the surficial aquifer at the Southeast County Landfill.

Results from Quarterly Supplemental Monitoring (August 2019)

Surficial aquifer monitoring well TH-67 is located downgradient of the Phase II waste area of the landfill and associated with the supplemental quarterly monitoring of groundwater in accordance with the Consent Agreement, OGC File No. 17-0058. TH-67 indicated a TDS value of 90 mg/l and continues to improve since implementation of corrective actions related to water quality changes exhibited in February 2016.

In accordance with the monitoring requirements dated in the August 28, 2019 Florida Department of Environmental Protection (Department) correspondence and Chapter 62-701.510(8)(a), the County collected groundwater samples from four (4) surficial aquifer detection wells on August 7, 2019. Representative samples were collected from wells TH-66A, TH-67, TH-79, and TH-83 for TDS, chloride, ammonia, and sodium. Results of the data indicated TDS exceeding the SDWS in detection well TH-83 with a result of 650 mg/l and chloride exceeding the SDWS with a result of 280 mg/l. Field pH continues below the SDWS; however, the conditions have been naturally occurring prior to operation of the landfill. All remaining constituents at the monitoring locations were within compliance standards. The County submitted the required laboratory and ADaPT files and a groundwater elevation contour diagram to the Department on October 11, 2019. The County will continue with the quarterly evaluation as outlined in the Department's August 28, 2019 letter.

Conclusions

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

Over the period of record, TDS has periodically exceeded the SDWS of 500 mg/l at detection well TH-69A and is due to the anaerobic environment where low D.O. and iron producing microbial processes are ongoing in the groundwater creating iron bacteria, increasing the TDS

in the groundwater. Monitoring well TH-71A exhibited TDS concentrations above the SDWS during the semi-annual water quality monitoring event and is attributable to storm water runoff from Section 9. The County implemented corrective actions to the storm water conveyance system in 2014 and again in 2019 to alleviate the influence and reduce the TDS values. The County will continue to closely observe the water quality for TH-71A.

Arsenic was detected in surficial aquifer monitoring well TH-58 and in TH-65 exceeding the PDWS of 0.01 mg/l. Over the period of record, each monitoring location has consistently exhibited the liberation of arsenic due to the anaerobic conditions present under the lined landfill. No downgradient receptors or migration off site of the arsenic are observed.

Water quality in surficial aquifer monitoring well TH-83, southeast of Phase II waste area of the landfill, continued to exhibit indicator parameters of TDS and chloride exceeding their respective drinking water standards. As ongoing implementation of corrective actions continue, water quality improvement is anticipated as constituent levels continue to return to background conditions over the upcoming period of record.

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

The current configuration of groundwater monitoring wells continues to be adequate to address any potential water quality issues and remains consistent with the historical data set. The next semi-annual monitoring event is scheduled for February 2020. Supplemental information for the November 2019 quarterly monitoring event shall be included within the submittal.

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

Respectfully submitted,

Michael D. Townsel 11/22/2019
Senior Hydrologist
Environmental Services
Public Utilities Department

JEFFRY SCOT GREENWELL LICENSE No. Pe48157 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jeffry Greenwell, P.E. 11/22/19
Manager
Environmental Services
Public Utilities Department

Enclosures

xc: Justin Chamberlain, P.G., FDEP
Kim Byer, P.G., Director, Solid Waste Management Division
Larry Ruiz, Landfill Manager, Solid Waste Management Division
Joe O'Neill, P.E., Solid Waste Management Division
Ernest Ely, Manager, WMI, Southeast County Landfill
Irene Barnes, Southeast Hillsborough Civic Association
Kollan Spradlin, P.E., SCS Engineers

SOUTHEAST COUNTY LANDFILL MONITORING WELLS LOCATION MAP

2019 AERIAL PHOTO

Hillsborough County Florida

EST 1834

SW

SW-3C2
TH-42
TH-32
TH-35
SW-3B2B
TH-30
TH-71A
TH-78
TH-58
TH-70A
TH-36A
TH-68
TH-69A
TH-19
TH-73
TH-64
TH-72
MINE CUT 1D
TH-76
TH-28A
P-11D
TH-61
TH-61A
TH-57
TH-77
TH-65
TH-66A
TH-66
TH-38A
TH-79
TH-38B
TH-67
TH-80
TH-41
TH-40
TH-81
TH-82
TH-24A
TH-83
SW-3A
TH-20B
TH-20A
TH-22
TH-22A

Legend

Well Designation

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

N

BSOC
332 N. Falkenburg Rd
Tampa, Fl 33619

0 0.06 0.12 Miles

Date: 11/22/2019 Path: U:\LANDFILL\Southeast Landfill Data\Southeast County Landfill Monitoring Wells Location Map .mxd

Table 1 - Southeast County Landfill
Laboratory Analytical Data
Groundwater Monitoring Wells
August 12-16, 2019

General Parameters	Surficial Aquifer Wells								MCL Standard
	TH-36A	TH-61	TH-61A	TH-64	TH-68	TH-69A	TH-70A	TH-71A	
well type	Background	Detection	Detection	Detection	Detection	Detection	Detection	Detection	
conductivity (umhos/cm) (field)	210.2	228.5	285.1	178.9	194.9	729	688	1476	NS
dissolved oxygen (mg/l) (field)	0.51	0.18	0.5	0.27	0.65	0.27	0.08	0.13	NS
ORP (mV)	135.5	165.6	107.1	157.7	-24.4	8.7	-73.6	-40.4	NS
temperature (°C) (field)	25.3	25.7	26.7	26.9	28.4	26.1	25.8	24.9	NS
turbidity (NTU) (field)	4.48	1.76	2.23	14.6	19.7	3.18	154.8	6.51	NS
pH (SU) (field)	**5.74**	**5.78**	**5.90**	**5.45**	**5.63**	**6.10**	**6.26**	**6.16**	(6.5 - 8.5)**
total dissolved solids (mg/l)	130	160	180	120	250	**540**	410	**920**	500**
chloride (mg/l)	8.9	8.4	7.5	7.3	8.5	130 J4	40	**310**	250**
ammonia nitrogen (mg/l as N)	0.029 u	0.04 i	0.029 u	0.029 u	0.17	0.38	1.5	1.7	NS
nitrate (mg/l as N)	0.096 i	4.30	9.30	0.079 u	0.079 u	0.079 u	0.079 u	0.11	10*
Metals Detected (mg/l)									**MCL Standard**
antimony	0.00033 i	0.003	0.0027	0.00054 i	0.00011 u	0.00011 u	0.00011 u	0.00060 i	0.006*
arsenic	0.00044 i	0.001	0.00037 i	0.00046 i	0.0014	0.00015 i	0.0059	0.0037	0.01*
barium	0.0083	0.0074	0.0048	0.035	0.0057	0.0035	0.022	0.018	2*
cadmium	0.000064 u	0.00037 i	0.00079	0.00026 i	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.005*
chromium	0.00060 i	0.00067 i	0.00065 I	0.0021	0.0029	0.00039 i	0.00065 i	0.00081 i	0.1*
cobalt	0.00019 u	0.00032 i	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00025 i	140***
copper	0.00035 u	0.00075	0.0018	0.00084	0.00036 i	0.00035 u	0.00035 u	0.00035 u	1**
iron	0.049 i	0.036 i	0.036 i	**0.36**	**0.35**	**3**	**62**	**40**	0.3**
lead	0.00024 u	0.00024 u	0.0024 u	0.001	0.00026 i	0.00024 u	0.00024 u	0.00024 u	0.015*
mercury	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.002*
nickel	0.00098 u	0.00098 u	0.0011 i	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.1*
selenium	0.00058 u	0.00073 i	0.0022 i	0.00090 i	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.05*
silver	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.1**
sodium	4.2	3.9	4.6	5.6	6.9	28	11	52	160*
thallium	0.000057 u	0.00014 i	0.00010 i	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.002*
vanadium	0.014	0.0088	0.13	0.016	0.0023	0.00071 u	0.004	0.0096	0.049***
zinc	0.0082 i	0.011	0.033	0.0097 i	0.0077 i	0.0074 u	0.029	0.0074 u	5**

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012
NS=No Standard
MCL=Maximum Contaminant Level
***= Primary Drinking Water Standards as per Cahpter 62-550.310, F.A.C.**
****=Secondary Drinking Water Standards as per Chapter 62-550.320, F.A.C.**
*****=Groundwater Cleanup Target Levels as per Chapter 62-777, FAC**
5.74 - 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

Table 2 -Southeast County Landfill
Laboratory Analytical Data
Groundwater Monitoring Wells
August 12-16, 2019

General Parameters	Floridan Aquifer				Surficial Aquifer Wells								MCL Standard
	TH-19	TH-40	TH-72	TH-78	TH-22A	TH-28A	TH-57	TH-58	TH-65	TH-66	TH-66A	TH-67	
well type	Background	Detection	Detection	Detection	Background	Detection	Detection	Detection	Detection	Background	Background	Detection	
conductivity (umhos/cm) (field)	411	362.8	1547	522	161.6	301.5	361.6	349.4	239.3	327.8	272.3	187.4	NS
dissolved oxygen (mg/l) (field)	0.11	0.26	0.14	0.09	0.12	0.33	0.64	0.56	0.16	0.1	0.28	0.26	NS
ORP (mV)	-75.5	-93.8	-75.9	-222.3	20.8	-45.6	-93.4	53.9	-14.8	-21.6	3.5	8.6	NS
temperature (°C) (field)	23.5	23.7	24.2	23.4	25.0	28.4	28.4	26.9	25.5	26.1	26.8	26.4	NS
turbidity (NTU) (field)	0.87	0.57	0.82	2.28	5.9	2.24	0.88	1.63	4.11	0.54	1.28	3.02	NS
pH (SU) (field)	7.40	7.61	6.67	8.24	**4.77**	**5.24**	**5.37**	**5.87**	**5.77**	**6.02**	**6.24**	**6.41**	**(6.5 - 8.5)****
total dissolved solids (mg/l)	250	240	**1000**	320	70	390	260	240	170	170	140	90	**500****
chloride (mg/l)	8.2	14	240 j4	32	7.3	71	80	17	13	15	9.9	6.5	**250****
ammonia nitrogen (mg/l as N)	0.24	0.3	11	0.25	0.21	1.8	1.3	0.95	0.73	0.71	0.19	0.18	**NS(1)**
nitrate (mg/l as N)	0.079 u	0.079 u	0.079 u	0.086 i	0.079 u	0.079 u	0.33	1.4	0.079 u	0.079 u	0.079 u	0.079 u	**10***
Metals Detected (mg/l)													**MCL Standard**
antimony	0.00012 i	0.00019 i	0.00011 u	0.00011 u	0.00038 i	0.00011 u	0.00028 i	0.00049 i	0.00011 u	0.00011 i	0.0012	0.0026	**0.006***
arsenic	0.000077 u	0.000077 u	0.00012 i	0.00011 i	0.00021 i	0.0012	0.00040 i	**0.016**	**0.013**	0.0025	0.0019	0.0031	**0.01***
barium	0.0051	0.0057	0.028	0.038	0.033	0.0017	0.01	0.011	0.0008	0.0012	0.003	0.0056	**2***
cadmium	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.00025 i	**0.005***
chromium	0.00011 u	0.00012 i	0.00032 i	0.00011 u	0.0013 i	0.0014 i	0.00076 i	0.0018 i	0.0013 i	0.00046 i	0.00039 i	0.00061 i	**0.1***
cobalt	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00019 u	0.00047 i	0.00019 u	0.00019 u	0.00035 i	0.00033 i	0.0005	0.0021	**140*****
copper	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00035 u	0.00097	0.0038	**1****
iron	0.026 u	0.043 i	**0.54**	0.2	**0.37**	**4.8**	**0.61**	**1.5**	**1.9**	**2.5**	**0.31**	**0.91**	**0.3****
lead	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00026 i	**0.015***
mercury	0.00005 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	0.000050 u	**0.002***
nickel	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.00098 u	0.002 i	0.0052	**0.1***
selenium	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.00058 u	0.0011 i	0.0049 i	0.0010 i	0.00058 u	0.00058 u	0.00058 u	**0.05***
silver	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	**0.1****
sodium	13	19	110	30	2.8	24	23	18	9.4	7.6	5.2	2	**160***
thallium	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.000073 i	0.000057 u	0.00039	0.000076 i	0.000057 u	0.00024	0.00039	**0.002 ***
vanadium	0.00071 u	0.00071 u	0.00078 i	0.00071 u	0.0015 i	0.0014 i	0.0039	0.021	0.0021	0.0013 i	0.015	0.0072	**0.049*****
zinc	0.0074 U	0.0086 i	0.0074 u	0.0074 u	0.0092 i	0.0093 i	0.0098 i	0.0088 i	0.0080 i	0.0074 u	0.0091 i	0.041	**5****
Organic Parameters Detected (µg/l)													**MCL Standard**
carbon disulfide	1.1 u	1.1 u	1.1 u	1.1 u	1.1 u	1.1 u	1.1 u	1.1 u	1.2 i	1.1 u	1.1 u	1.1 u	

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

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

MCL=Maximum Contaminant Level

***= 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**

1000 - Exceeds Standards

NTU=Nephelometric Turbidity Units

mV = millivolts

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

u = parameter was analyzed but not detected.

ug/l=micrograms per liter

mg/l=milligrams per liter

Table 3 -Southeast County Landfill
Laboratory Analytical Data
Surface Water Samples
August 13, 2019

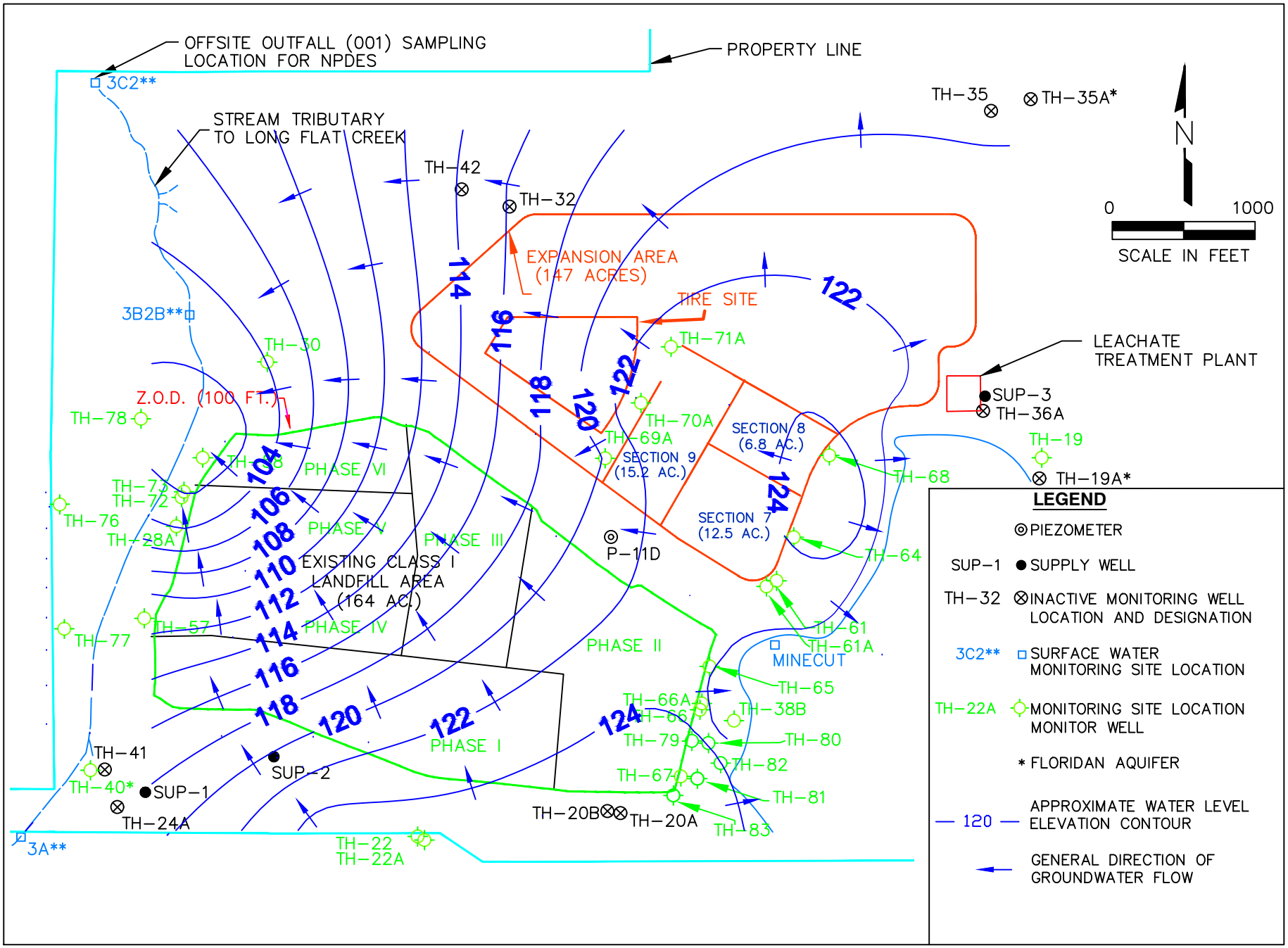
General Parameters	Mine Cut 1D	Stream-3A	SW-3B2B	Stream-3C2	MCL Standard
conductivity (umhos/cm) (field)	491.9	276.2	231	285.6	1275
dissolved oxygen (mg/l) (field)	0.76	0.07	3.28	2.67	***
ORP (mV)	52.2	-58.4	82.2	69.0	NS
temperature (°C) in field	28.4	27.2	26.1	27.7	NS
turbidity (field) (NTU)	3.72	2.50	6.8	5.15	29
pH (field)	6.83	6.39	6.39	6.58	(6.0 - 8.5)
total dissolved solids (mg/l)	310	180	160	160	NS
total suspended solids (mg/l)	8.4	3.2	11	9.4	NS
total nitrogen (mg/l)	1.9	2.40	1.40	1.4	NS
nitrate (as N) (mg/l)	0.079 U	0.079 U	0.18	0.079 U	NS
total phosphorous (mg/l)	2.1	0.23 U	1.0	0.92	NS
biochem. oxygen demand (mg/l)	3.6	2.5	2	2.1	NS
chemical oxygen demand (mg/l)	45 I	24 U	55	44 I	NS
total organic carbon (mg/l as C)	15	10.0	18	16	NS
chlorophyll-A (mg/m3)	34	7.2	2.5 U	3.2 I	NS
total hardness (mg/l as CaCO)	110	96	68	80	NS
unionized ammonia (mg/l)	0.00022 I	0.00068 I	0.000053 U	0.000091 U	≤ 0.02
fecal coliform (Col/100ml)	60 B	40 B	800 B	320	800
Metals Detected (mg/l)					**MCL Standard**
antimony	0.00033 I	0.00011 U	0.00013 I	0.00049 I	≤ 4.3
arsenic	0.00055 I	0.00032	0.00089 I	0.0013	≤ 0.05
barium	0.0037	0.020	0.0130	0.0068	2
chromium	0.00041 I	0.00081 I	0.0015 I	0.0014 I	11
cobalt	0.00019 U	0.00019 U	0.00028 I	0.00042 I	NS
copper	0.00038 I	0.00061 I	0.00	0.00041 I	**
iron	0.34	0.52	1.40	1.20	1
vanadium	0.00098 I	0.00088 I	0.00	0.0021	NS
zinc	0.0083 I	0.043	0.012	0.0099 I	*
Organic Parameters Detected (ug/l)					**MCL Standard**
acetone	1.0 U	1.0 U	1.0 U	1.0 U	1700

NOTE: Referenced, Surface Water Quality Standards Chapter 62-302 and Freshwater Surface Water Cleanup Criteria in Chapter 62-550, Table I, F.A.C.
NS = No Standard
MCL = Maximum Contaminant Level
*** = 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)**
***** = Criteria set forth in accordance with Chapter 62-302.533**
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

Table 4 -Southeast County Landfill
Groundwater and Surface Water Elevations
August 12, 2019

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	15.36	122.66	15:09
TH-19*	130.27	89.15	41.12	14:23
TH-20A	131.86	8.20	123.66	13:59
TH-20B	132.57	8.95	123.62	13:57
TH-22	128.82	3.72	125.10	10:29
TH-22A	129.27	4.29	124.98	9:58
TH-24A	128.23	2.42	125.81	9:44
TH-28A	131.10	27.08	104.02	12:22
TH-30	128.88	23.27	105.61	13:09
TH-32	129.90	13.97	115.93	14:42
TH-35	145.98	26.12	119.86	14:29
TH-36A	152.70	31.58	121.12	14:52
TH-38A	130.68	8.86	121.82	14:04
TH-38B	131.81	12.55	119.26	14:05
TH-40*	124.99	83.38	41.61	10:46
TH-41*	125.00	88.49	36.51	10:42
TH-42*	116.74	62.88	53.86	14:37
TH-57	128.36	18.01	110.35	11:46
TH-58	127.88	26.95	100.93	13:06
TH-61	138.73	15.71	123.02	15:06
TH-61A	139.45	13.88	125.57	15:05
TH-64	139.64	14.95	124.69	15:02
TH-65	135.40	13.29	122.11	15:11
TH-66	130.58	7.89	122.69	15:15
TH-66A	130.66	7.21	123.45	15:14
TH-67	129.51	2.95	126.56	15:22
TH-68	140.01	11.52	128.49	14:56
TH-69A	144.97	24.92	120.05	14:09
TH-70A	146.63	23.18	123.45	14:12
TH-71A	146.95	23.60	123.35	14:16
TH-72*	130.96	85.63	45.33	13:03
TH-73	131.07	29.15	101.92	12:59
TH-76*	111.21	65.91	45.30	13:42
TH-77*	119.88	74.41	45.47	13:47
TH-78*	120.75	70.30	50.45	13:26
TH-79	129.60	6.40	123.20	15:18
TH-80	129.52	7.08	122.44	15:17
TH-81	130.26	5.63	124.63	15:21
TH-82	131.24	10.96	120.28	14:02
TH-83	130.23	7.81	122.42	15:24
SW-3A	3.0'=125.53'	2.10	124.63	9:34
SW-3B2B	3.0'=97.97'	ND	ND	ND
SW-3C2	6.0'=92.33'	2.15	88.48	13:17
Mine Cut #1	4.0'=122.14'	3.15	121.29	14:59

NGVD = National Geodetic Vertical Datum
T.O.C. = Top of Casing
B.T.O.C. = Below Top of Casing
*** = Floridan Well**
ND = No Data (3B2B - Gage no longer in stream)
W.L. = Water Level



Southeast County Landfill

Surficial Aquifer Groundwater Elevation Contour Diagram – August 12, 2019

Attachment A

Monitoring Well TH-71A

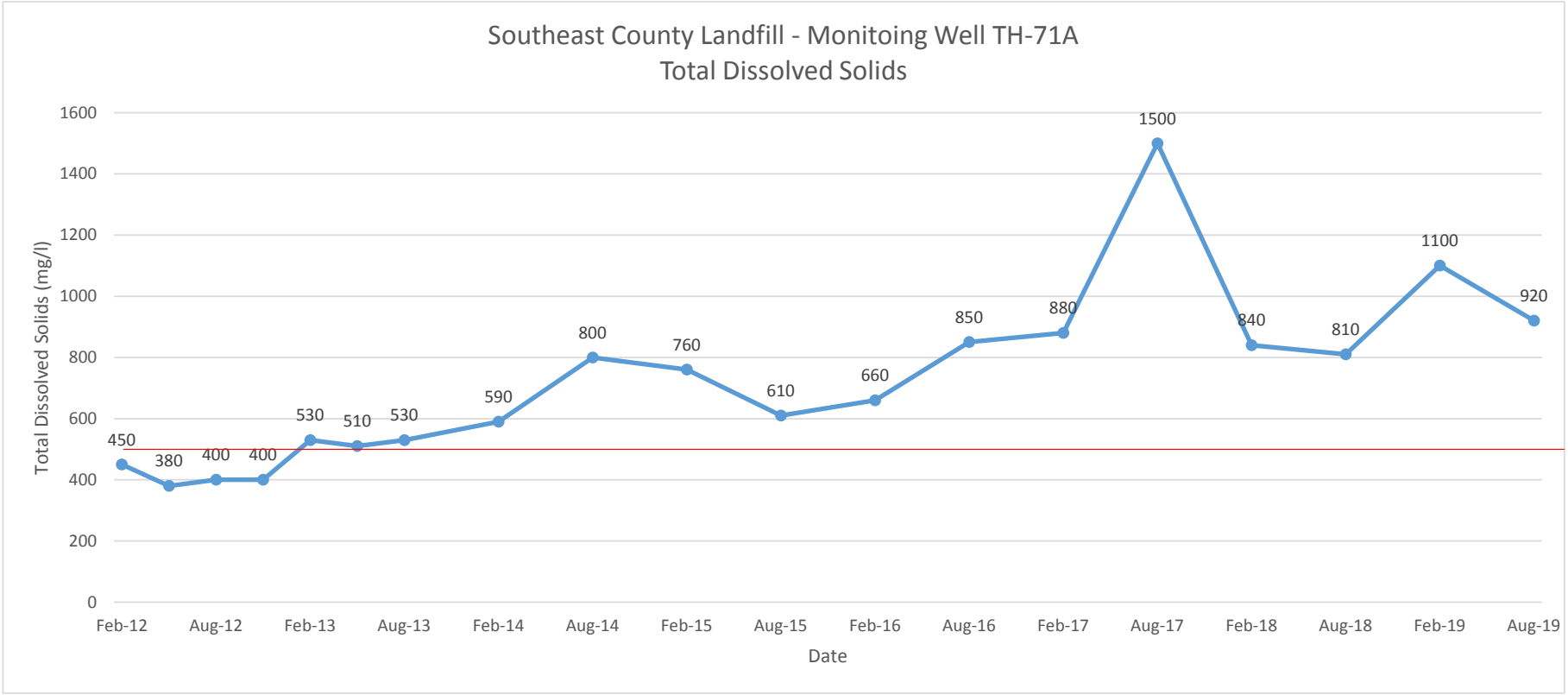
Historical Water Quality Data Table

and Chart

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

General Parameters	Feb-12	May-12	Aug-12	Nov-12	Feb-13	May-13	Aug-13	Feb-14	Aug-14	Feb-15	Aug-15	Feb-16	Aug-16	Feb-17	Aug-17	Feb-18	Aug-18	Feb-19	Aug-19	MCL Standard
conductivity (umhos/cm) (field)	741	734	731	922	815	782	880	1167	1351	1423	1191	1335	1574	1578	1524	1435	1267	1408	1476	NS
dissolved oxygen (mg/l) (field)	0.24	0.39	0.12	0.16	0.22	0.15	0.19	0.52	0.21	0.59	0.43	0.15	0.08	0.2	0.08	0.34	0.06	0.15	0.13	NS
ORP (mV)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-54.6	-42.8	-54.7	-58.6	-75.6	-20.6	-40.4	NS
temperature (°C) (field)	24.10	23.50	25.10	25.90	24.50	23.80	24.80	24.42	24.65	23.11	24.55	24.64	24.65	24.73	25.04	24.9	25.1	24.7	24.9	NS
turbidity (NTU) (field)	12.7	9.43	4.8	3.14	7.9	5.11	5.3	3.29	3.36	2.6	6.6	2.87	18.9	5.65	8.47	9.12	37.7	4.67	6.51	NS
pH (field)	6.03	5.84	5.85	6.11	6.09	6.42	6.20	6.40	6.14	6.19	6.23	6.10	6.05	6.22	6.13	6.14	6.16	6.03	6.16	(6.5 - 8.5)**
total dissolved solids (mg/l)	450	380	400	400	530	510	530	590	800	760	610	660	850	880	1500	840	810	1100	920	500**
chloride (mg/l)	48	48	53	90	100	110	140	170	170	130	130	210	270	300	280	260	180	260	310	250**
ammonia nitrogen (mg/l as N)	1.5	1.6	1.6	1.4	2.3	1.6	1.2	1.3	2.2	1.8	1.8	2.1	2	1.8	1.9	1.8	1.7	1.7	1.7	NS(1)
nitrate (mg/l as N)	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.1 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.18 u	0.3	0.18 u	0.11	10*
Metals (mg/l)																				**MCL Standard**
antimony	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0023 u	0.0086 u	0.0002 i	0.000087 i	0.00022 i	0.00019 i	0.0001 i	0.00016 i	0.0015	0.00015 i	0.0006 i	0.006*
arsenic	0.0078	0.0042	0.0037	0.0068	0.0034	0.0031	0.0034	0.0023 i	0.0026	0.0016 u	0.0035	0.0026	0.0011 i	0.0034	0.0034	0.0028	0.0069	0.0014	0.0037	0.01*
barium	0.018	0.014	0.0096	0.013	0.023	0.012	0.016	0.014	0.013	0.012	0.012	0.013	0.013	0.017	0.017	0.014	0.023	0.0098	0.018	2*
beryllium	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00011 u	0.00013 u	0.00013 u	0.00019 i	0.00011 u	0.00011 u	0.00029 u	0.00029 u	0.00029 u	0.00029 u	0.004*
cadmium	0.000095 u	0.000097 i	0.000095 u	0.000095 u	0.00021 i	0.00010 i	0.0001 i	0.000095 u	0.000095 u	0.0011	0.000056 u	0.000028 u	0.000056 u	0.000028 u	0.000031 i	0.000064 u	0.000064 u	0.000064 u	0.000064 u	0.005*
chromium	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.0025 u	0.00038 i	0.00059 i	0.00056 i	0.00021 u	0.00071 i	0.00065 i	0.00068 i	0.0013 i	0.00036 i	0.00081 i	0.2
cobalt	0.0014	0.00083	0.00048 i	0.0023	0.0014	0.00069	0.00037 i	0.00069	0.00034 i	0.00045 i	0.00038 u	0.00029 i	0.00038 u	0.00021 i	0.00019 u	0.00023 i	0.00032 i	0.00019 i	0.00025 i	140***
copper	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0011 u	0.0059 i	0.00022 u	0.00011 u	0.00029 i	0.00011 u	0.00022 i	0.00035 u	0.00035 u	0.00035 u	0.00035 u	1**
iron	39	29	20	28	23	24	32	29	32	27	24	27	27	36	40	37	60	22	40	0.3**
lead	0.0002 u	0.00021 i	0.00020 u	0.00034 i	0.0020	0.00020 u	0.00024 i	0.00020 u	0.00020 u	0.0032 u	0.00048 u	0.00024u	0.00048 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.00024 u	0.015*
mercury	0.000091 u	0.000091 u	0.00014 i	0.000072 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000091 u	0.000064 u	0.000084 u	0.000084 u	0.000084 u	0.000050 u	0.00005 u	0.00005 u	0.00005 u	0.000050 i	0.00005 u	0.002*
nickel	0.006	0.004 i	0.0033 i	0.0075	0.0045 i	0.0035 i	0.0037 i	0.0036 i	0.0024 i	0.0012 u	0.00022 u	0.0016	0.0014 i	0.0014	0.0018	0.0015 i	0.0015 i	0.0012 i	0.00098 u	0.1*
selenium	0.001 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0010 u	0.0041 u	0.0012 u	0.003 i	0.0012 u	0.00058 u	0.00058 u	0.00058 u	0.00059 i	0.00058 u	0.00058 u	0.05*
silver	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00025 u	0.00063 u	0.000054 u	0.000027 u	0.000054 u	0.000031 i	0.000027 u	0.000068 u	0.000068 u	0.000068 u	0.000068 u	0.10**
sodium	6.3	6.2	5.5	9.4	7.9	8.8	13	16	20	26	27	31	36	40	42	44	43	46	52	160*
thallium	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.00050 u	0.0024 u	0.00011 u	0.000057 u	0.00011 u	0.00057 u	0.00057 u	0.000057 u	0.000057 u	0.000057 u	0.000057 u	0.002*
vanadium	0.012	0.0051 i	0.0038 u	0.0038 u	0.0053 i	0.0038 u	0.0076 i	0.0038 u	0.0038 u	0.0034	0.0021 i	0.0024	0.0014 u	0.0057	0.0049	0.011	0.023	0.0031	0.0096	0.049***
zinc	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.0083 u	0.011	0.0020 u	0.012	0.0020 u	0.006 i	0.017	0.00079 i	0.0094 i	0.0074 u	0.0074 u	5**
Organic Parameters Detected (ug/l)																				**MCL Standard**
acetone	9.9 u	9.9 u	9.9 u	9.9 u	9.9 u	9.9 u	9.9 u	9.9 u	9.9 u	1 u	1 u	1 u	1 u	1 u	1 u	1.5 i	1 u	1 u	2 u	6300***

NOTE: Reference FDEP Groundwater Guidance Concentrations
NS= No Standard
NS(1)= GCTL of 2.8 is no longer suitable toxilogical reference for evaluating the significance of ammonia concentrations in groundwater.
MCL= Maximum Containment Level
BDL= Below Detection Limit
ND= No Data (ORP was not being collected during sampling event)
*= Primary Drinking Water Standard
**= Secondary Drinking Water Standard
***= Florida Guidance Concentration MCL
6.03 : Exceeds Standards
NTU= Nephelometric Turbidity Units
µg/l= Micrograms Per Liter
mg/l= Milligrams Per Liter
NGVD= National Geodetic Vertical Datum


Southeast County Landfill - Monitoing Well TH-71A
Total Dissolved Solids
Total Dissolved Solids (mg/l)
1600
1400
1200
1000
800
600
400
200
0
450
380
400
400
530
510
530
590
800
760
610
660
850
880
1500
840
810
1100
920
Feb-12
Aug-12
Feb-13
Aug-13
Feb-14
Aug-14
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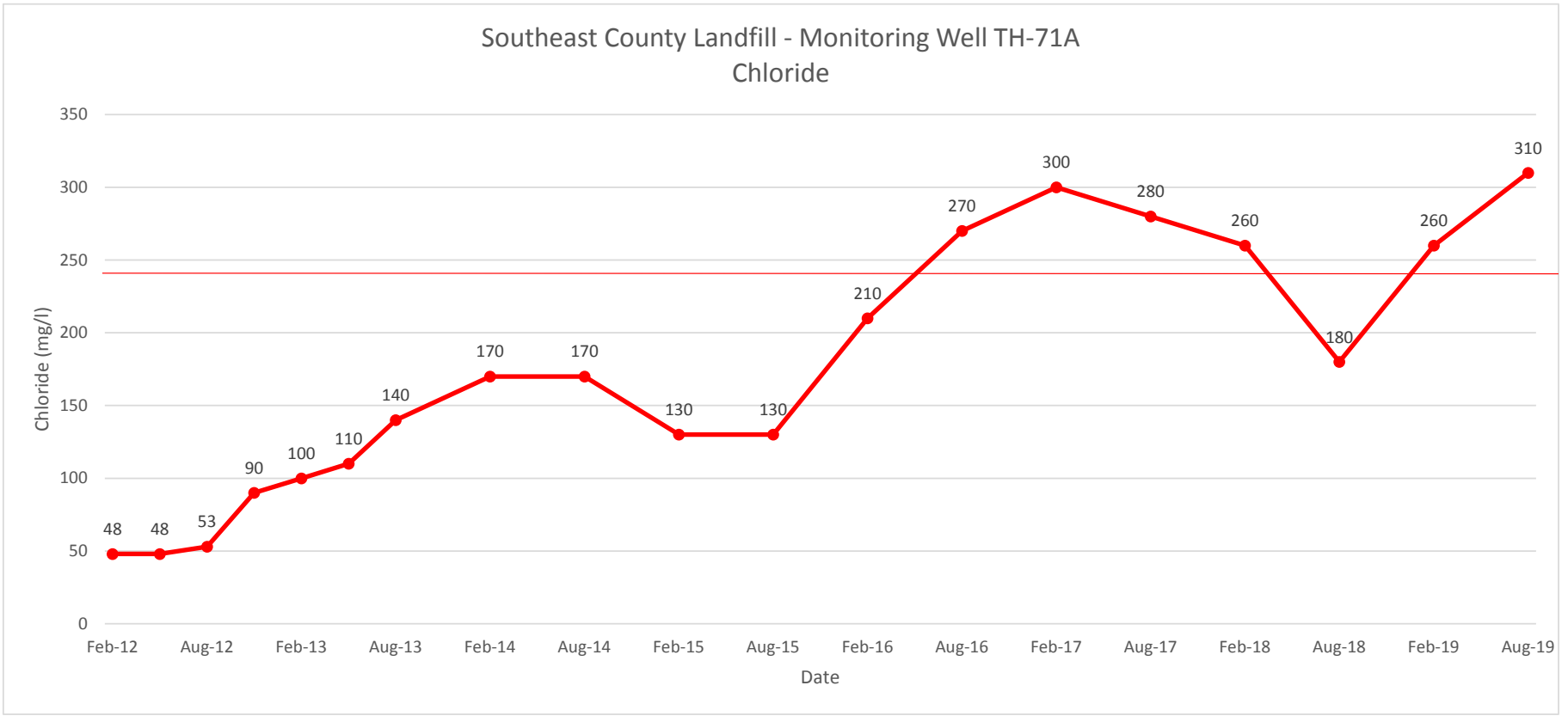
Aug-15
Feb-16
Aug-16
Feb-17
Aug-17
Feb-18
Aug-18
Feb-19
Aug-19
Date


Southeast County Landfill - Monitoring Well TH-71A
Chloride
Chloride (mg/l)
350
300
250
200
150
100
50
0
48
48
53
90
100
110
140
170
170
130
130
210
270
300
280
260
180
260
310
Feb-12
Aug-12
Feb-13
Aug-13
Feb-14
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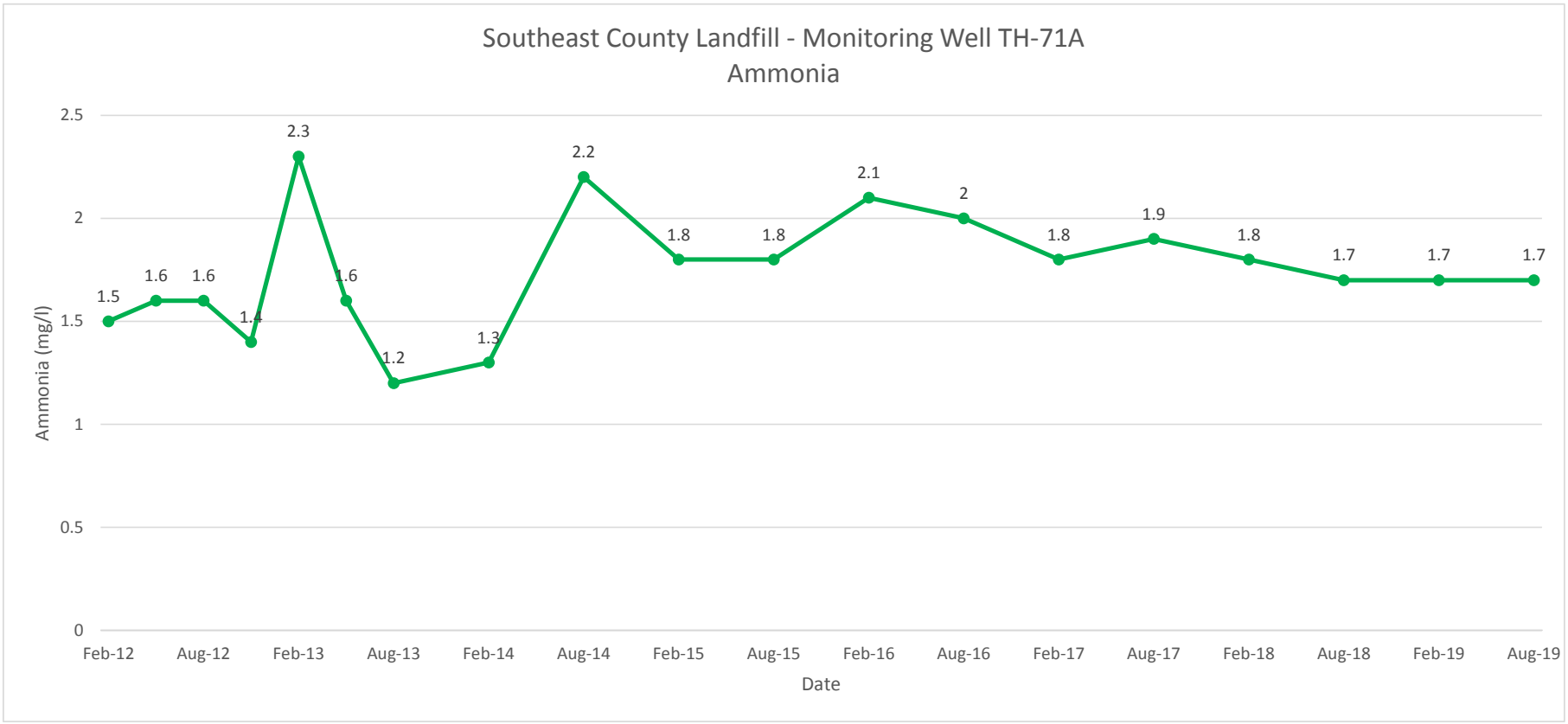
Aug-17
Feb-18
Aug-18
Feb-19
Aug-19
Date


Southeast County Landfill - Monitoring Well TH-71A
Ammonia
Ammonia (mg/l)
2.5
2
1.5
1
0.5
0
1.5
1.6
1.6
1.4
2.3
1.6
1.2
1.3
2.2
1.8
1.8
2.1
2
1.8
1.9
1.8
1.7
1.7
1.7
Feb-12
Aug-12
Feb-13
Aug-13
Feb-14
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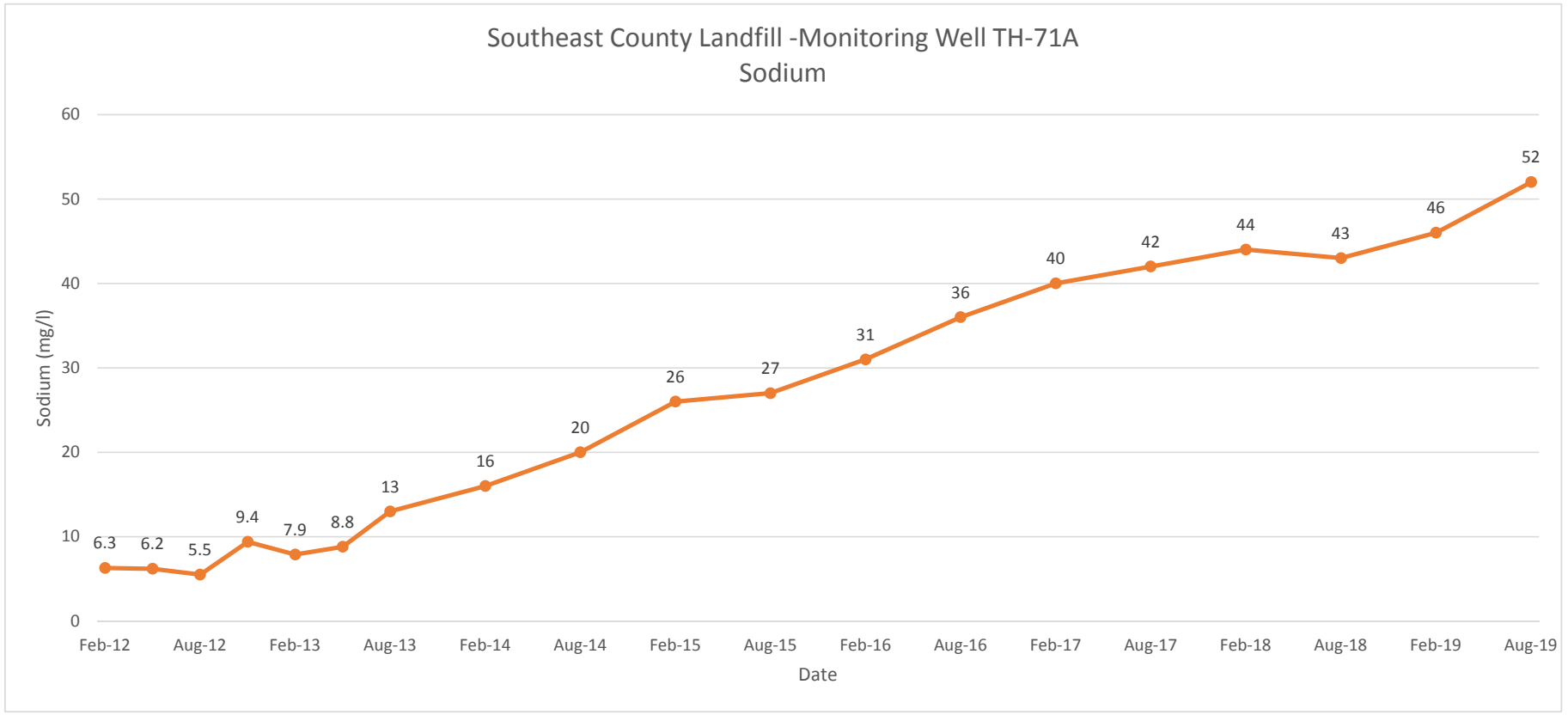
Feb-17
Aug-17
Feb-18
Aug-18
Feb-19
Aug-19
Date


Southeast County Landfill -Monitoring Well TH-71A
Sodium
Sodium (mg/l)
60
50
40
30
20
10
0
6.3
6.2
5.5
9.4
7.9
8.8
13
16
20
26
27
31
36
40
42
44
43
46
52
Feb-12
Aug-12
Feb-13
Aug-13
Feb-14
Aug-14
Feb-15
Aug-15
Feb-16
Aug-16
Feb-17
Aug-17
Feb-18
Aug-18
Feb-19
Aug-19
Date

Attachment B

August 2019 Laboratory Data Report

Advanced Environmental Laboratories, Inc.

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

September 30, 2019

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

RE: Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, August 12, 2019 and Friday, August 16, 2019. 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

CERTIFICATE OF ANALYSIS

Advanced Environmental Laboratories, Inc.

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

SAMPLE SUMMARY

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1914151001	Field Blank	Water	8/13/2019 11:20	8/13/2019 15:00
T1914151002	TH-72	Water	8/13/2019 12:04	8/13/2019 15:00
T1914151003	TH-58	Water	8/13/2019 12:36	8/13/2019 15:00
T1914151004	Trip Blank	Water	8/13/2019 00:00	8/13/2019 15:00
T1914151005	TH-22A	Water	8/12/2019 10:22	8/12/2019 16:12
T1914151006	TH-40	Water	8/12/2019 11:20	8/12/2019 16:12
T1914151007	TH-57	Water	8/12/2019 11:57	8/12/2019 16:12
T1914151008	TH-28A	Water	8/12/2019 12:38	8/12/2019 16:12
T1914151009	Trip Blank	Water	8/12/2019 00:00	8/12/2019 16:12
T1914151010	Equipment Blank	Water	8/13/2019 09:15	8/13/2019 15:00
T1914151011	Stream 3A	Water	8/13/2019 09:32	8/13/2019 15:00
T1914151012	Mine Cut 1D	Water	8/13/2019 09:58	8/13/2019 15:00
T1914151013	Stream 3C2	Water	8/13/2019 13:25	8/13/2019 15:00
T1914151014	3B2B	Water	8/13/2019 13:50	8/13/2019 15:00
T1914151015	Duplicate	Water	8/13/2019 00:00	8/13/2019 15:00
T1914151016	TH-78	Water	8/14/2019 11:11	8/14/2019 16:35
T1914151017	TH-19	Water	8/14/2019 11:59	8/14/2019 16:35
T1914151018	TH-36A	Water	8/14/2019 12:27	8/14/2019 16:35
T1914151019	TH-71A	Water	8/14/2019 13:03	8/14/2019 16:35
T1914151020	TH-68	Water	8/14/2019 15:25	8/14/2019 16:35
T1914151021	Trip Blank	Water	8/14/2019 00:00	8/14/2019 16:35
T1914151022	TH-64	Water	8/15/2019 09:16	8/15/2019 15:07
T1914151023	TH-61	Water	8/15/2019 09:48	8/15/2019 15:07
T1914151024	TH-61A	Water	8/15/2019 10:14	8/15/2019 15:07
T1914151025	TH-70A	Water	8/15/2019 11:01	8/15/2019 15:07
T1914151026	TH-69A	Water	8/15/2019 11:48	8/15/2019 15:07
T1914151027	TH-65	Water	8/15/2019 12:24	8/15/2019 15:07
T1914151028	TH-66A	Water	8/15/2019 13:30	8/15/2019 15:07
T1914151029	TH-66	Water	8/15/2019 14:04	8/15/2019 15:07
T1914151030	Trip Blank	Water	8/15/2019 00:00	8/15/2019 15:07
T1914151031	TH-67	Water	8/16/2019 09:35	8/16/2019 11:10
T1914151032	Duplicate	Water	8/16/2019 00:00	8/16/2019 11:10
T1914151033	Trip Blank	Water	8/16/2019 00:00	8/16/2019 11:10

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

ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151001** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/13/19 11:20

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	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:34	T
Iron	**0.026**	**U**	**mg/L**	**1**	0.10	0.026	8/14/2019 20:34	T
Sodium	**0.17**	**U**	**mg/L**	**1**	0.20	0.17	8/14/2019 20:34	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:34	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00013**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:04	J
Arsenic	**0.000077**	**U**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:04	J
Barium	**0.00024**	**U**	**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:04	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:04	J
Chromium	**0.00011**	**U**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:04	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:04	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:04	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:04	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:04	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:04	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:04	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:04	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:04	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:08	T
VOLATILES								
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**10**	**U**	**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:15	T
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151001** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/13/19 11:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 16:17	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 16:17	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:17	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 16:17	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 16:17	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 16:17	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 16:17	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 16:17	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:17	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 16:17	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 16:17	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 16:17	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 16:17	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 16:17	T
Acetone	**11**		**ug/L**	**1**	2.0	1.0	8/22/2019 16:17	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 16:17	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:17	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 16:17	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:17	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 16:17	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 16:17	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 16:17	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:17	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 16:17	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 16:17	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 16:17	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 16:17	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 16:17	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 16:17	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 16:17	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 16:17	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 16:17	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 16:17	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:17	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 16:17	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:17	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 16:17	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 16:17	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:17	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 16:17	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151001** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/13/19 11:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 16:17	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:17	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 16:17	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:17	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 16:17	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-128		8/22/2019 16:17	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/22/2019 16:17	
Bromofluorobenzene (S)	**93**		**%**	**1**	86-123		8/22/2019 16:17	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 16:17	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 16:17	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-130		8/22/2019 16:17	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/22/2019 16:17	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		8/22/2019 16:17	
VOLATILES								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.029**	**U**	**mg/L**	**1**	0.10	0.029	8/19/2019 13:58	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**2.6**	**U**	**mg/L**	**1**	5.0	2.6	8/14/2019 14:35	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151002** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/13/19 12:04

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	**1547**		**umhos/cm**	**1**			8/13/2019 12:04	....
Dissolved Oxygen	**0.14**		**mg/L**	**1**			8/13/2019 12:04	....
ORP-2580BW	**-75.9**		**mV**	**1**			8/13/2019 12:04	....
Temperature	**24.2**		**°C**	**1**			8/13/2019 12:04	....
Turbidity	**0.82**		**NTU**	**1**			8/13/2019 12:04	....
pH	**6.67**		**SU**	**1**			8/13/2019 12:04	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:37	T
Iron	**0.54**		**mg/L**	**1**	0.10	0.026	8/14/2019 20:37	T
Sodium	**110**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:37	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:37	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:12	J
Arsenic	**0.00012**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:12	J
Barium	**0.028**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:12	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:12	J
Chromium	**0.00032**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:12	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:12	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:12	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:12	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:12	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:12	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:12	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:12	J
Vanadium	**0.00078**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:12	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:11	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151002** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/13/19 12:04

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**240**	**J4**	**mg/L**	**5**	25	13	8/14/2019 15:03	T
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 18:02	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 18:02	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:02	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 18:02	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 18:02	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 18:02	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 18:02	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 18:02	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:02	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:02	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:02	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 18:02	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 18:02	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 18:02	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 18:02	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 18:02	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:02	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 18:02	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:02	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 18:02	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:02	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 18:02	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:02	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 18:02	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 18:02	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 18:02	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 18:02	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:02	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:02	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 18:02	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 18:02	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 18:02	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:02	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:02	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151002** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-72** Date Collected: 08/13/19 12:04

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 18:02	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:02	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:02	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:02	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:02	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 18:02	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 18:02	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:02	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 18:02	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:02	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 18:02	T
1,2-Dichloroethane-d4 (S)	**97**		**%**	**1**	70-128		8/22/2019 18:02	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		8/22/2019 18:02	
Bromofluorobenzene (S)	**92**		**%**	**1**	86-123		8/22/2019 18:02	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:02	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:02	T
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-130		8/22/2019 18:02	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/22/2019 18:02	
Bromofluorobenzene (S)	**95**		**%**	**1**	70-130		8/22/2019 18:02	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**11**		**mg/L**	**5**	0.50	0.14	8/19/2019 14:39	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**1000**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:33	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151003** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/13/19 12:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**349.4**		**umhos/cm**	**1**			8/13/2019 12:36	....
Dissolved Oxygen	**0.56**		**mg/L**	**1**			8/13/2019 12:36	....
ORP-2580BW	**53.9**		**mV**	**1**			8/13/2019 12:36	....
Temperature	**26.9**		**°C**	**1**			8/13/2019 12:36	....
Turbidity	**1.63**		**NTU**	**1**			8/13/2019 12:36	....
pH	**5.87**		**SU**	**1**			8/13/2019 12:36	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:41	T
Iron	**1.5**		**mg/L**	**1**	0.10	0.026	8/14/2019 20:41	T
Sodium	**18**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:41	T
Zinc	**0.0088**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:41	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00049**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:16	J
Arsenic	**0.016**		**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:16	J
Barium	**0.011**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:16	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:16	J
Chromium	**0.0018**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:16	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:16	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:16	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:16	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:16	J
Selenium	**0.0049**	**I**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:16	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:16	J
Thallium	**0.00039**		**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:16	J
Vanadium	**0.021**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:16	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:22	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151003** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/13/19 12:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 18:28	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 18:28	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:28	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 18:28	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 18:28	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 18:28	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 18:28	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 18:28	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:28	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:28	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:28	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 18:28	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 18:28	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 18:28	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 18:28	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 18:28	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:28	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 18:28	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:28	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 18:28	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:28	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 18:28	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:28	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 18:28	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 18:28	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 18:28	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 18:28	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:28	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:28	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 18:28	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 18:28	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 18:28	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:28	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:28	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 18:28	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:28	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:28	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151003** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **TH-58** Date Collected: 08/13/19 12:36

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:28	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:28	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 18:28	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 18:28	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:28	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 18:28	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:28	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 18:28	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-128		8/22/2019 18:28	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/22/2019 18:28	
Bromofluorobenzene (S)	**90**		**%**	**1**	86-123		8/22/2019 18:28	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:28	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:28	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-130		8/22/2019 18:28	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/22/2019 18:28	
Bromofluorobenzene (S)	**91**		**%**	**1**	70-130		8/22/2019 18:28	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.95**		**mg/L**	**1**	0.10	0.029	8/19/2019 13:59	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**17**		**mg/L**	**1**	5.0	2.6	8/14/2019 14:36	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**1.4**		**mg/L**	**1**	0.10	0.079	8/14/2019 14:30	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151004** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/13/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 16:43	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 16:43	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:43	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 16:43	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 16:43	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 16:43	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 16:43	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 16:43	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:43	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 16:43	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 16:43	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 16:43	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 16:43	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 16:43	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 16:43	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 16:43	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:43	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 16:43	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:43	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 16:43	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 16:43	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 16:43	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:43	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 16:43	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 16:43	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 16:43	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 16:43	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 16:43	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 16:43	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 16:43	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 16:43	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 16:43	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 16:43	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:43	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 16:43	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 16:43	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151004** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/13/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 16:43	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 16:43	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:43	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 16:43	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 16:43	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:43	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 16:43	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 16:43	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 16:43	T
1,2-Dichloroethane-d4 (S)	**97**		**%**	**1**	70-128		8/22/2019 16:43	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/22/2019 16:43	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		8/22/2019 16:43	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 16:43	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 16:43	T
1,2-Dichloroethane-d4 (S)	**96**		**%**	**1**	70-130		8/22/2019 16:43	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/22/2019 16:43	
Bromofluorobenzene (S)	**95**		**%**	**1**	70-130		8/22/2019 16:43	

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151005** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/12/19 10:22

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	**161.6**		**umhos/cm**	**1**			8/12/2019 10:22	....
Dissolved Oxygen	**0.12**		**mg/L**	**1**			8/12/2019 10:22	....
ORP-2580BW	**20.8**		**mV**	**1**			8/12/2019 10:22	....
Temperature	**25**		**°C**	**1**			8/12/2019 10:22	....
Turbidity	**5.9**		**NTU**	**1**			8/12/2019 10:22	....
pH	**4.77**		**SU**	**1**			8/12/2019 10:22	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:45	T
Iron	**0.37**		**mg/L**	**1**	0.10	0.026	8/14/2019 20:45	T
Sodium	**2.8**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:45	T
Zinc	**0.0092**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:45	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00038**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 12:55	J
Arsenic	**0.00021**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 12:55	J
Barium	**0.033**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 12:55	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 12:55	J
Chromium	**0.0013**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 12:55	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 12:55	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 12:55	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 12:55	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 12:55	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 12:55	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 12:55	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 12:55	J
Vanadium	**0.0015**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 12:55	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:31	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151005** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/12/19 10:22

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.3**		**mg/L**	**1**	5.0	2.6	8/14/2019 14:43	T
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 18:54	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 18:54	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:54	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 18:54	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 18:54	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 18:54	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 18:54	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 18:54	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:54	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:54	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:54	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 18:54	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 18:54	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 18:54	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 18:54	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 18:54	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:54	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 18:54	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:54	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 18:54	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 18:54	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 18:54	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:54	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 18:54	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 18:54	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 18:54	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 18:54	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:54	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 18:54	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 18:54	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 18:54	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 18:54	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:54	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:54	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151005** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-22A** Date Collected: 08/12/19 10:22

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	8/22/2019 18:54	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 18:54	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 18:54	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 18:54	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:54	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 18:54	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 18:54	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:54	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 18:54	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 18:54	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 18:54	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/22/2019 18:54	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/22/2019 18:54	
Bromofluorobenzene (S)	**94**		**%**	**1**	86-123		8/22/2019 18:54	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:54	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 18:54	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/22/2019 18:54	
Toluene-d8 (S)	**96**		**%**	**1**	70-130		8/22/2019 18:54	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		8/22/2019 18:54	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.21**		**mg/L**	**1**	0.10	0.029	8/19/2019 13:44	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**70**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/13/2019 15:05	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151006** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/12/19 11:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**362.8**		**umhos/cm**	**1**			8/12/2019 11:20	....
Dissolved Oxygen	**0.26**		**mg/L**	**1**			8/12/2019 11:20	....
ORP-2580BW	**-93.8**		**mV**	**1**			8/12/2019 11:20	....
Temperature	**23.7**		**°C**	**1**			8/12/2019 11:20	....
Turbidity	**0.57**		**NTU**	**1**			8/12/2019 11:20	....
pH	**7.61**		**SU**	**1**			8/12/2019 11:20	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:49	T
Iron	**0.043**	**I**	**mg/L**	**1**	0.10	0.026	8/14/2019 20:49	T
Sodium	**19**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:49	T
Zinc	**0.0086**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:49	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00019**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 13:33	J
Arsenic	**0.000077**	**U**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 13:33	J
Barium	**0.0057**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 13:33	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 13:33	J
Chromium	**0.00012**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 13:33	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 13:33	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 13:33	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 13:33	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 13:33	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 13:33	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 13:33	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 13:33	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 13:33	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:34	T
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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151006** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/12/19 11:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 19:21	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 19:21	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:21	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 19:21	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 19:21	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 19:21	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 19:21	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 19:21	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:21	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 19:21	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 19:21	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 19:21	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 19:21	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 19:21	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 19:21	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 19:21	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:21	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 19:21	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:21	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 19:21	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 19:21	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 19:21	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:21	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 19:21	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 19:21	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 19:21	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 19:21	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 19:21	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 19:21	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 19:21	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 19:21	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 19:21	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 19:21	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:21	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 19:21	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:21	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 19:21	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151006** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-40** Date Collected: 08/12/19 11:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 19:21	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:21	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 19:21	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 19:21	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:21	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 19:21	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:21	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 19:21	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/22/2019 19:21	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		8/22/2019 19:21	
Bromofluorobenzene (S)	**92**		**%**	**1**	86-123		8/22/2019 19:21	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 19:21	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 19:21	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-130		8/22/2019 19:21	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/22/2019 19:21	
Bromofluorobenzene (S)	**93**		**%**	**1**	70-130		8/22/2019 19:21	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.30**		**mg/L**	**1**	0.10	0.029	8/19/2019 13:45	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**240**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**14**		**mg/L**	**1**	5.0	2.6	8/14/2019 14:45	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/13/2019 15:05	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151007** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/12/19 11:57

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**361.6**		**umhos/cm**	**1**			8/12/2019 11:57	....
Dissolved Oxygen	**0.64**		**mg/L**	**1**			8/12/2019 11:57	....
ORP-2580BW	**-93.4**		**mV**	**1**			8/12/2019 11:57	....
Temperature	**28.4**		**°C**	**1**			8/12/2019 11:57	....
Turbidity	**0.88**		**NTU**	**1**			8/12/2019 11:57	....
pH	**5.37**		**SU**	**1**			8/12/2019 11:57	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:52	T
Iron	**0.61**		**mg/L**	**1**	0.10	0.026	8/14/2019 20:52	T
Sodium	**23**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:52	T
Zinc	**0.0098**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:52	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00028**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 13:40	J
Arsenic	**0.00040**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 13:40	J
Barium	**0.010**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 13:40	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 13:40	J
Chromium	**0.00076**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 13:40	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 13:40	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 13:40	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 13:40	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 13:40	J
Selenium	**0.0011**	**I**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 13:40	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 13:40	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 13:40	J
Vanadium	**0.0039**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 13:40	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:37	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151007** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/12/19 11:57

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 19:47	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 19:47	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:47	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 19:47	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 19:47	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 19:47	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 19:47	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 19:47	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:47	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 19:47	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 19:47	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 19:47	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 19:47	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 19:47	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 19:47	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 19:47	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:47	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 19:47	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:47	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 19:47	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 19:47	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 19:47	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:47	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 19:47	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 19:47	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 19:47	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 19:47	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 19:47	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 19:47	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 19:47	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 19:47	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 19:47	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 19:47	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:47	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 19:47	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 19:47	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 19:47	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151007** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-57** Date Collected: 08/12/19 11:57

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 19:47	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:47	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 19:47	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 19:47	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:47	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 19:47	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 19:47	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 19:47	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/22/2019 19:47	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/22/2019 19:47	
Bromofluorobenzene (S)	**88**		**%**	**1**	86-123		8/22/2019 19:47	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 19:47	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 19:47	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-130		8/22/2019 19:47	
Toluene-d8 (S)	**96**		**%**	**1**	70-130		8/22/2019 19:47	
Bromofluorobenzene (S)	**91**		**%**	**1**	70-130		8/22/2019 19:47	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.3**		**mg/L**	**1**	0.10	0.029	8/19/2019 13:46	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**260**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**80**		**mg/L**	**1**	5.0	2.6	8/14/2019 14:46	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.33**		**mg/L**	**1**	0.10	0.079	8/13/2019 15:04	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151008** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/12/19 12:38

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	**301.5**		**umhos/cm**	**1**			8/12/2019 12:38	....
Dissolved Oxygen	**0.33**		**mg/L**	**1**			8/12/2019 12:38	....
ORP-2580BW	**-45.6**		**mV**	**1**			8/12/2019 12:38	....
Temperature	**28.4**		**°C**	**1**			8/12/2019 12:38	....
Turbidity	**2.24**		**NTU**	**1**			8/12/2019 12:38	....
pH	**5.24**		**SU**	**1**			8/12/2019 12:38	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 20:56	T
Iron	**4.8**		**mg/L**	**1**	0.10	0.026	8/14/2019 20:56	T
Sodium	**24**		**mg/L**	**1**	0.20	0.17	8/14/2019 20:56	T
Zinc	**0.0093**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 20:56	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 13:45	J
Arsenic	**0.0012**		**mg/L**	**1**	0.0010	0.000077	8/25/2019 13:45	J
Barium	**0.0017**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 13:45	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 13:45	J
Chromium	**0.0014**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 13:45	J
Cobalt	**0.00047**	**I**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 13:45	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 13:45	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 13:45	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 13:45	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 13:45	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 13:45	J
Thallium	**0.000073**	**I**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 13:45	J
Vanadium	**0.0014**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 13:45	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/16/2019 12:39	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151008** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/12/19 12:38

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 20:14	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 20:14	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:14	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 20:14	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 20:14	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 20:14	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 20:14	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 20:14	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:14	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 20:14	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 20:14	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 20:14	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 20:14	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 20:14	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 20:14	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 20:14	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:14	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 20:14	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:14	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 20:14	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 20:14	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 20:14	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:14	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 20:14	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 20:14	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 20:14	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 20:14	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 20:14	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 20:14	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 20:14	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 20:14	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 20:14	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 20:14	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:14	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 20:14	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:14	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 20:14	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151008** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **TH-28A** Date Collected: 08/12/19 12:38

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 20:14	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:14	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 20:14	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 20:14	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:14	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 20:14	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:14	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 20:14	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-128		8/22/2019 20:14	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/22/2019 20:14	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		8/22/2019 20:14	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 20:14	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 20:14	T
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-130		8/22/2019 20:14	
Toluene-d8 (S)	**95**		**%**	**1**	70-130		8/22/2019 20:14	
Bromofluorobenzene (S)	**94**		**%**	**1**	70-130		8/22/2019 20:14	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.8**		**mg/L**	**1**	0.10	0.029	8/19/2019 13:47	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**390**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**71**		**mg/L**	**1**	5.0	2.6	8/14/2019 14:46	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/13/2019 15:06	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151009** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/12/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 17:09	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 17:09	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:09	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 17:09	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 17:09	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 17:09	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 17:09	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 17:09	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:09	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 17:09	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 17:09	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 17:09	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 17:09	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 17:09	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 17:09	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 17:09	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:09	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 17:09	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:09	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 17:09	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 17:09	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 17:09	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:09	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 17:09	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 17:09	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 17:09	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 17:09	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 17:09	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 17:09	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 17:09	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 17:09	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 17:09	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 17:09	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:09	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 17:09	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:09	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151009** Date Received: 08/12/19 16:12 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/12/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 17:09	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 17:09	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:09	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 17:09	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 17:09	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:09	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 17:09	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:09	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 17:09	T
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-128		8/22/2019 17:09	
Toluene-d8 (S)	**100**		**%**	**1**	77-119		8/22/2019 17:09	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		8/22/2019 17:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 17:09	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 17:09	T
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-130		8/22/2019 17:09	
Toluene-d8 (S)	**100**		**%**	**1**	70-130		8/22/2019 17:09	
Bromofluorobenzene (S)	**92**		**%**	**1**	70-130		8/22/2019 17:09	

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151010** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/13/19 09:15

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	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:00	T
Iron	**0.026**	**U**	**mg/L**	**1**	0.10	0.026	8/14/2019 21:00	T
Zinc	**0.0087**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 21:00	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:21	J
Arsenic	**0.000077**	**U**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:21	J
Barium	**0.00024**	**U**	**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:21	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:21	J
Chromium	**0.00011**	**U**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:21	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:21	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:21	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:21	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:21	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:21	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:21	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:21	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:21	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 13:54	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**1**	**U**	**#/100 mL**	**1**	1	1	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 17:36	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 17:36	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:36	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151010** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/13/19 09:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 17:36	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 17:36	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 17:36	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 17:36	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 17:36	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:36	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 17:36	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 17:36	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 17:36	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 17:36	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 17:36	T
Acetone	**11**		**ug/L**	**1**	2.0	1.0	8/22/2019 17:36	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 17:36	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:36	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 17:36	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:36	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 17:36	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 17:36	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 17:36	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:36	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 17:36	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 17:36	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 17:36	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 17:36	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 17:36	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 17:36	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 17:36	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 17:36	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 17:36	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 17:36	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:36	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 17:36	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 17:36	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 17:36	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 17:36	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:36	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 17:36	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 17:36	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:36	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 17:36	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151010** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/13/19 09:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 17:36	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 17:36	T
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		8/22/2019 17:36	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/22/2019 17:36	
Bromofluorobenzene (S)	**90**		**%**	**1**	86-123		8/22/2019 17:36	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 17:36	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 17:36	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-130		8/22/2019 17:36	
Toluene-d8 (S)	**96**		**%**	**1**	70-130		8/22/2019 17:36	
Bromofluorobenzene (S)	**93**		**%**	**1**	70-130		8/22/2019 17:36	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**0.22**	**I**	**mg/L**	**1**	0.40	0.18	9/25/2019 13:15	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00017**	**U**	**mg/L**	**1**	0.10	0.00017	8/19/2019 11:59	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.046**	**U**	**mg/L**	**1**	0.10	0.046	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**24**	**U**	**mg/L**	**1**	50	24	8/15/2019 11:45	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Corrected Chlorophyll A	**2.5**	**U,1**	**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**2.6**	**U**	**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**10**	**U**	**mg/L**	**1**	10	10	8/15/2019 13:00	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151010** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Equipment Blank** Date Collected: 08/13/19 09:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**1.0**	**U**	**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**3.9**		**mg/L**	**1**	2.0	2.0	8/14/2019 13:19	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**0.79**	**I**	**mg/L**	**1**	1.0	0.65	8/15/2019 10:31	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151011** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/13/19 09:32

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	**276.2**		**umhos/cm**	**1**			8/13/2019 09:32	....
Dissolved Oxygen	**0.07**		**mg/L**	**1**			8/13/2019 09:32	....
ORP-2580BW	**-58.4**		**mV**	**1**			8/13/2019 09:32	....
Temperature	**27.2**		**°C**	**1**			8/13/2019 09:32	....
Turbidity	**2.5**		**NTU**	**1**			8/13/2019 09:32	....
pH	**6.39**		**SU**	**1**			8/13/2019 09:32	....
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**3.2**		**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:04	T
Iron	**0.52**		**mg/L**	**1**	0.10	0.026	8/14/2019 21:04	T
Zinc	**0.043**		**mg/L**	**1**	0.010	0.0074	8/14/2019 21:04	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:25	J
Arsenic	**0.00032**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:25	J
Barium	**0.020**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:25	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:25	J
Chromium	**0.00081**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:25	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:25	J
Copper	**0.00061**	**I**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:25	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:25	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:25	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:25	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:25	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:25	J
Vanadium	**0.00088**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:25	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 13:57	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151011** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/13/19 09:32

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**40**	**B**	**#/100 mL**	**10**	10	10	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 20:40	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 20:40	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:40	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 20:40	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 20:40	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 20:40	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 20:40	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 20:40	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:40	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 20:40	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 20:40	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 20:40	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 20:40	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 20:40	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 20:40	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 20:40	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:40	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 20:40	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:40	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 20:40	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 20:40	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 20:40	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:40	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 20:40	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 20:40	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 20:40	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 20:40	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 20:40	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 20:40	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 20:40	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 20:40	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151011** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/13/19 09:32

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 20:40	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 20:40	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:40	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 20:40	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 20:40	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 20:40	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 20:40	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:40	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 20:40	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 20:40	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:40	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 20:40	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 20:40	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 20:40	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/22/2019 20:40	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/22/2019 20:40	
Bromofluorobenzene (S)	**100**		**%**	**1**	86-123		8/22/2019 20:40	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 20:40	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 20:40	T
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-130		8/22/2019 20:40	
Toluene-d8 (S)	**96**		**%**	**1**	70-130		8/22/2019 20:40	
Bromofluorobenzene (S)	**99**		**%**	**1**	70-130		8/22/2019 20:40	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**2.4**		**mg/L**	**1**	0.40	0.18	9/25/2019 12:45	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00068**	**I**	**mg/L**	**1**	0.10	0.000057	8/19/2019 11:59	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.23**	**U**	**mg/L**	**5**	0.50	0.23	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151011** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3A** Date Collected: 08/13/19 09:32

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Chemical Oxygen Demand	**24**	**U**	**mg/L**	**1**	50	24	8/15/2019 11:45	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Corrected Chlorophyll A	**7.2**		**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**96**		**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**180**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.5**		**mg/L**	**1**	2.0	2.0	8/14/2019 13:22	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**10**		**mg/L**	**1**	1.0	0.65	8/15/2019 10:31	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151012** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/13/19 09:58

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	**491.9**		**umhos/cm**	**1**			8/13/2019 09:58	....
Dissolved Oxygen	**0.76**		**mg/L**	**1**			8/13/2019 09:58	....
ORP-2580BW	**52.2**		**mV**	**1**			8/13/2019 09:58	....
Temperature	**28.4**		**°C**	**1**			8/13/2019 09:58	....
Turbidity	**3.72**		**NTU**	**1**			8/13/2019 09:58	....
pH	**6.83**		**SU**	**1**			8/13/2019 09:58	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:22	T
Iron	**0.34**		**mg/L**	**1**	0.10	0.026	8/14/2019 21:22	T
Zinc	**0.0083**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 21:22	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00033**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:30	J
Arsenic	**0.00055**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:30	J
Barium	**0.0037**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:30	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:30	J
Chromium	**0.00041**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:30	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:30	J
Copper	**0.00038**	**I**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:30	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:30	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:30	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:30	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:30	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:30	J
Vanadium	**0.00098**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:30	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 13:59	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151012** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/13/19 09:58

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	**60**	**B**	**#/100 mL**	**10**	10	10	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 21:06	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 21:06	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:06	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 21:06	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 21:06	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 21:06	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 21:06	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 21:06	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:06	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:06	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:06	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 21:06	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 21:06	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 21:06	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 21:06	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 21:06	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:06	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 21:06	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:06	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 21:06	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:06	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 21:06	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:06	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 21:06	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 21:06	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 21:06	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 21:06	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:06	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:06	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 21:06	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 21:06	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 21:06	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151012** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/13/19 09:58

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 21:06	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:06	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 21:06	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:06	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 21:06	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:06	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:06	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 21:06	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 21:06	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:06	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 21:06	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:06	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 21:06	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-128		8/22/2019 21:06	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/22/2019 21:06	
Bromofluorobenzene (S)	**91**		**%**	**1**	86-123		8/22/2019 21:06	
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**	0.020	0.020	8/22/2019 21:06	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 21:06	T
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-130		8/22/2019 21:06	
Toluene-d8 (S)	**94**		**%**	**1**	70-130		8/22/2019 21:06	
Bromofluorobenzene (S)	**97**		**%**	**1**	70-130		8/22/2019 21:06	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**1.9**		**mg/L**	**1**	0.40	0.18	9/25/2019 12:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00022**	**I**	**mg/L**	**1**	0.10	0.00017	8/19/2019 11:59	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	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45**	**I**	**mg/L**	**1**	50	24	8/15/2019 11:45	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151012** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Mine Cut 1D** Date Collected: 08/13/19 09:58

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							
Corrected Chlorophyll A	**34**		**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**110**		**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**310**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**8.4**		**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**3.6**		**mg/L**	**1**	2.0	2.0	8/14/2019 13:25	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**15**		**mg/L**	**1**	1.0	0.65	8/15/2019 10:31	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151013** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/13/19 13:25

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	**285.6**		**umhos/cm**	**1**			8/13/2019 13:25	....
Dissolved Oxygen	**2.67**		**mg/L**	**1**			8/13/2019 13:25	....
ORP-2580BW	**69**		**mV**	**1**			8/13/2019 13:25	....
Temperature	**27.7**		**°C**	**1**			8/13/2019 13:25	....
Turbidity	**5.15**		**NTU**	**1**			8/13/2019 13:25	....
pH	**6.58**		**SU**	**1**			8/13/2019 13:25	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:26	T
Iron	**1.2**		**mg/L**	**1**	0.10	0.026	8/14/2019 21:26	T
Zinc	**0.0099**	**I**	**mg/L**	**1**	0.010	0.0074	8/14/2019 21:26	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00049**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:35	J
Arsenic	**0.0013**		**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:35	J
Barium	**0.0068**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:35	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:35	J
Chromium	**0.0014**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:35	J
Cobalt	**0.00042**	**I**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:35	J
Copper	**0.00041**	**I**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:35	J
Lead	**0.00027**	**I**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:35	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:35	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:35	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:35	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:35	J
Vanadium	**0.0021**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:35	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:02	T
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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151013** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/13/19 13:25

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	**320**		**#/100 mL**	**10**	10	10	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 21:32	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 21:32	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:32	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 21:32	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 21:32	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 21:32	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 21:32	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 21:32	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:32	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:32	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:32	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 21:32	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 21:32	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 21:32	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 21:32	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 21:32	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:32	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 21:32	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:32	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 21:32	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:32	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 21:32	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:32	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 21:32	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 21:32	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 21:32	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 21:32	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:32	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:32	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 21:32	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 21:32	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 21:32	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151013** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/13/19 13:25

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	8/22/2019 21:32	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:32	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 21:32	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:32	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 21:32	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:32	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:32	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 21:32	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 21:32	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:32	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 21:32	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:32	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 21:32	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/22/2019 21:32	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/22/2019 21:32	
Bromofluorobenzene (S)	**92**		**%**	**1**	86-123		8/22/2019 21:32	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 21:32	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 21:32	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/22/2019 21:32	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/22/2019 21:32	
Bromofluorobenzene (S)	**94**		**%**	**1**	70-130		8/22/2019 21:32	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**1.4**		**mg/L**	**1**	0.40	0.18	9/25/2019 12:50	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000091**	**U**	**mg/L**	**1**	0.10	0.000091	8/19/2019 11:59	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**0.92**		**mg/L**	**1**	0.10	0.046	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**44**	**I**	**mg/L**	**1**	50	24	8/15/2019 11:45	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151013** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Stream 3C2** Date Collected: 08/13/19 13:25

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							
Corrected Chlorophyll A	**3.2**	**I**	**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**80**		**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**9.4**		**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.1**		**mg/L**	**1**	2.0	2.0	8/14/2019 13:28	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**16**		**mg/L**	**1**	1.0	0.65	8/15/2019 10:31	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151014** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/13/19 13:50

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	**231**		**umhos/cm**	**1**			8/13/2019 13:50	....
Dissolved Oxygen	**3.28**		**mg/L**	**1**			8/13/2019 13:50	....
ORP-2580BW	**82.2**		**mV**	**1**			8/13/2019 13:50	....
Temperature	**26.1**		**°C**	**1**			8/13/2019 13:50	....
Turbidity	**6.76**		**NTU**	**1**			8/13/2019 13:50	....
pH	**6.39**		**SU**	**1**			8/13/2019 13:50	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:30	T
Iron	**1.4**		**mg/L**	**1**	0.10	0.026	8/14/2019 21:30	T
Zinc	**0.012**		**mg/L**	**1**	0.010	0.0074	8/14/2019 21:30	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00013**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:40	J
Arsenic	**0.00089**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:40	J
Barium	**0.013**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:40	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:40	J
Chromium	**0.0015**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:40	J
Cobalt	**0.00028**	**I**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:40	J
Copper	**0.00070**		**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:40	J
Lead	**0.00033**	**I**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:40	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:40	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:40	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:40	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:40	J
Vanadium	**0.0022**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:40	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 13:46	T
Microbiology								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151014** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/13/19 13:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**800**	**B**	**#/100 mL**	**10**	10	10	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 21:58	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 21:58	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:58	T
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 21:58	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 21:58	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 21:58	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 21:58	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 21:58	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:58	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:58	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:58	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 21:58	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 21:58	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 21:58	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 21:58	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 21:58	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:58	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 21:58	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:58	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 21:58	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 21:58	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 21:58	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:58	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 21:58	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 21:58	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 21:58	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 21:58	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:58	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 21:58	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 21:58	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 21:58	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 21:58	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151014** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/13/19 13:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 21:58	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:58	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 21:58	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 21:58	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 21:58	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 21:58	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:58	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 21:58	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 21:58	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:58	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 21:58	T
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 21:58	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 21:58	T
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-128		8/22/2019 21:58	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/22/2019 21:58	
Bromofluorobenzene (S)	**98**		**%**	**1**	86-123		8/22/2019 21:58	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 21:58	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 21:58	T
1,2-Dichloroethane-d4 (S)	**96**		**%**	**1**	70-130		8/22/2019 21:58	
Toluene-d8 (S)	**97**		**%**	**1**	70-130		8/22/2019 21:58	
Bromofluorobenzene (S)	**98**		**%**	**1**	70-130		8/22/2019 21:58	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**1.4**		**mg/L**	**1**	0.40	0.18	9/25/2019 12:55	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.000053**	**U**	**mg/L**	**1**	0.10	0.000053	8/19/2019 11:59	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	**1.0**		**mg/L**	**1**	0.10	0.046	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**55**		**mg/L**	**1**	50	24	8/15/2019 11:45	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151014** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **3B2B** Date Collected: 08/13/19 13:50

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							
Corrected Chlorophyll A	**2.5**	**U**	**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**68**		**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**11**		**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.18**		**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**2.0**		**mg/L**	**1**	2.0	2.0	8/14/2019 13:31	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**18**		**mg/L**	**1**	1.0	0.65	8/26/2019 09:10	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151015** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/13/19 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	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/14/2019 21:34	T
Iron	**0.35**		**mg/L**	**1**	0.10	0.026	8/14/2019 21:34	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/14/2019 21:34	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00030**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:45	J
Arsenic	**0.00055**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:45	J
Barium	**0.0038**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:45	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:45	J
Chromium	**0.00043**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:45	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:45	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:45	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:45	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:45	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:45	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:45	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:45	J
Vanadium	**0.0010**	**I**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:45	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:05	T
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water	Analytical Method: SM 9222D							
Coliform Fecal	**80**		**#/100 mL**	**10**	10	10	8/13/2019 16:06	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/22/2019 22:24	T
1,1,1-Trichloroethane	**0.44**	**U**	**ug/L**	**1**	1.0	0.44	8/22/2019 22:24	T
1,1,2,2-Tetrachloroethane	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 22:24	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151015** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/13/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,1,2-Trichloroethane	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/22/2019 22:24	T
1,1-Dichloroethane	**0.86**	**U**	**ug/L**	**1**	1.0	0.86	8/22/2019 22:24	T
1,1-Dichloroethylene	**0.70**	**U**	**ug/L**	**1**	1.0	0.70	8/22/2019 22:24	T
1,2,3-Trichloropropane	**0.58**	**U**	**ug/L**	**1**	1.0	0.58	8/22/2019 22:24	T
1,2-Dichlorobenzene	**0.63**	**U**	**ug/L**	**1**	1.0	0.63	8/22/2019 22:24	T
1,2-Dichloroethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 22:24	T
1,2-Dichloropropane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 22:24	T
1,4-Dichlorobenzene	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 22:24	T
2-Butanone (MEK)	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/22/2019 22:24	T
2-Hexanone	**0.99**	**U**	**ug/L**	**1**	1.0	0.99	8/22/2019 22:24	T
4-Methyl-2-pentanone (MIBK)	**0.93**	**U**	**ug/L**	**1**	1.0	0.93	8/22/2019 22:24	T
Acetone	**1.0**	**U**	**ug/L**	**1**	2.0	1.0	8/22/2019 22:24	T
Acrylonitrile	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/22/2019 22:24	T
Benzene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 22:24	T
Bromochloromethane	**0.33**	**U**	**ug/L**	**1**	1.0	0.33	8/22/2019 22:24	T
Bromodichloromethane	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 22:24	T
Bromoform	**0.88**	**U**	**ug/L**	**1**	1.0	0.88	8/22/2019 22:24	T
Bromomethane	**0.97**	**U**	**ug/L**	**1**	1.0	0.97	8/22/2019 22:24	T
Carbon Disulfide	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/22/2019 22:24	T
Carbon Tetrachloride	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 22:24	T
Chlorobenzene	**0.56**	**U**	**ug/L**	**1**	1.0	0.56	8/22/2019 22:24	T
Chloroethane	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/22/2019 22:24	T
Chloroform	**0.31**	**U**	**ug/L**	**1**	1.0	0.31	8/22/2019 22:24	T
Chloromethane	**0.53**	**U**	**ug/L**	**1**	1.0	0.53	8/22/2019 22:24	T
Dibromochloromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 22:24	T
Dibromomethane	**0.76**	**U**	**ug/L**	**1**	1.0	0.76	8/22/2019 22:24	T
Ethylbenzene	**0.26**	**U**	**ug/L**	**1**	1.0	0.26	8/22/2019 22:24	T
Iodomethane (Methyl Iodide)	**0.65**	**U**	**ug/L**	**1**	1.0	0.65	8/22/2019 22:24	T
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	1.0	1.0	8/22/2019 22:24	T
Styrene	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 22:24	T
Tetrachloroethylene (PCE)	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 22:24	T
Toluene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/22/2019 22:24	T
Trichloroethene	**0.60**	**U**	**ug/L**	**1**	1.0	0.60	8/22/2019 22:24	T
Trichlorofluoromethane	**0.84**	**U**	**ug/L**	**1**	1.0	0.84	8/22/2019 22:24	T
Vinyl Acetate	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/22/2019 22:24	T
Vinyl Chloride	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 22:24	T
Xylene (Total)	**0.56**	**U**	**ug/L**	**1**	3.0	0.56	8/22/2019 22:24	T
cis-1,2-Dichloroethylene	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/22/2019 22:24	T
cis-1,3-Dichloropropene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 22:24	T
trans-1,2-Dichloroethylene	**0.50**	**U**	**ug/L**	**1**	1.0	0.50	8/22/2019 22:24	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151015** Date Received: 08/13/19 15:00 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/13/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
trans-1,3-Dichloropropylene	**0.20**	**U**	**ug/L**	**1**	1.0	0.20	8/22/2019 22:24	T
trans-1,4-Dichloro-2-butene	**0.39**	**U**	**ug/L**	**1**	1.0	0.39	8/22/2019 22:24	T
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/22/2019 22:24	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/22/2019 22:24	
Bromofluorobenzene (S)	**94**		**%**	**1**	86-123		8/22/2019 22:24	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 22:24	T
Ethylene Dibromide (EDB)	**0.020**	**U**	**ug/L**	**1**	0.020	0.020	8/22/2019 22:24	T
1,2-Dichloroethane-d4 (S)	**102**		**%**	**1**	70-130		8/22/2019 22:24	
Toluene-d8 (S)	**98**		**%**	**1**	70-130		8/22/2019 22:24	
Bromofluorobenzene (S)	**96**		**%**	**1**	70-130		8/22/2019 22:24	
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	**2.1**		**mg/L**	**1**	0.40	0.18	9/25/2019 13:15	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	**0.00017**	**U**	**mg/L**	**1**	0.10	0.00017	8/19/2019 11:59	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	8/16/2019 10:02	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	**45**	**I**	**mg/L**	**1**	50	24	8/15/2019 11:45	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Corrected Chlorophyll A	**34**		**mg/m3**	**1**	5.0	2.5	8/27/2019 16:55	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	**110**		**mg/L**	**1**	10	2.6	8/28/2019 10:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**280**		**mg/L**	**1**	10	10	8/15/2019 13:00	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151015**
Sample ID: **Duplicate**

Date Received: 08/13/19 15:00 Matrix: Water
Date Collected: 08/13/19 00:00

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	**4.2**		**mg/L**	**1**	1.0	1.0	8/15/2019 11:30	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/14/2019 14:02	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	**4.3**		**mg/L**	**1**	2.0	2.0	8/14/2019 14:00	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	**15**		**mg/L**	**1**	1.0	0.65	8/27/2019 09:41	G

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151016** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/14/19 11:11

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	**522**		**umhos/cm**	**1**			8/14/2019 11:11	....
Dissolved Oxygen	**0.09**		**mg/L**	**1**			8/14/2019 11:11	....
ORP-2580BW	**-222.3**		**mV**	**1**			8/14/2019 11:11	....
Temperature	**23.4**		**°C**	**1**			8/14/2019 11:11	....
Turbidity	**2.28**		**NTU**	**1**			8/14/2019 11:11	....
pH	**8.24**		**SU**	**1**			8/14/2019 11:11	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/16/2019 17:40	T
Iron	**0.20**		**mg/L**	**1**	0.10	0.026	8/16/2019 17:40	T
Sodium	**30**		**mg/L**	**1**	0.20	0.17	8/16/2019 17:40	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/16/2019 17:40	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 14:50	J
Arsenic	**0.00011**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 14:50	J
Barium	**0.038**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 14:50	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 14:50	J
Chromium	**0.00011**	**U**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 14:50	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 14:50	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 14:50	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 14:50	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 14:50	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 14:50	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 14:50	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 14:50	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 14:50	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:07	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151016** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/14/19 11:11

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**32**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:08	T
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 02:43	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 02:43	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 02:43	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 02:43	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 02:43	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 02:43	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 02:43	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 02:43	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:43	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 02:43	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:43	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 02:43	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 02:43	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 02:43	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 02:43	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 02:43	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 02:43	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:43	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 02:43	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 02:43	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 02:43	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 02:43	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 02:43	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 02:43	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 02:43	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 02:43	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 02:43	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 02:43	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 02:43	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 02:43	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 02:43	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 02:43	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 02:43	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:43	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151016** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-78** Date Collected: 08/14/19 11:11

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:43	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 02:43	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 02:43	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 02:43	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 02:43	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 02:43	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:43	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 02:43	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 02:43	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 02:43	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 02:43	M
1,2-Dichloroethane-d4 (S)	**99**		**%**	**1**	70-128		8/28/2019 02:43	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/28/2019 02:43	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		8/28/2019 02:43	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 02:43	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 02:43	M
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	77-125		8/28/2019 02:43	
Toluene-d8 (S)	**97**		**%**	**1**	80-121		8/28/2019 02:43	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 02:43	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.25**		**mg/L**	**1**	0.10	0.029	8/19/2019 14:14	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**320**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.086**	**I**	**mg/L**	**1**	0.10	0.079	8/15/2019 14:09	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151017** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/14/19 11:59

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	**411**		**umhos/cm**	**1**			8/14/2019 11:59	....
Dissolved Oxygen	**0.11**		**mg/L**	**1**			8/14/2019 11:59	....
ORP-2580BW	**-75.5**		**mV**	**1**			8/14/2019 11:59	....
Temperature	**23.5**		**°C**	**1**			8/14/2019 11:59	....
Turbidity	**0.87**		**NTU**	**1**			8/14/2019 11:59	....
pH	**7.4**		**SU**	**1**			8/14/2019 11:59	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/16/2019 17:59	T
Iron	**0.026**	**U**	**mg/L**	**1**	0.10	0.026	8/16/2019 17:59	T
Sodium	**13**		**mg/L**	**1**	0.20	0.17	8/16/2019 17:59	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/16/2019 17:59	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00012**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 15:09	J
Arsenic	**0.000077**	**U**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 15:09	J
Barium	**0.0051**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 15:09	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 15:09	J
Chromium	**0.00011**	**U**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 15:09	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 15:09	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 15:09	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 15:09	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 15:09	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 15:09	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 15:09	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 15:09	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/25/2019 15:09	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:10	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151017** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/14/19 11:59

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 02:13	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 02:13	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 02:13	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 02:13	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 02:13	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 02:13	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 02:13	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 02:13	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:13	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 02:13	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:13	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 02:13	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 02:13	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 02:13	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 02:13	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 02:13	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 02:13	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:13	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 02:13	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 02:13	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 02:13	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 02:13	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 02:13	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 02:13	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 02:13	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 02:13	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 02:13	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 02:13	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 02:13	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 02:13	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 02:13	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 02:13	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 02:13	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:13	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 02:13	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 02:13	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 02:13	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151017** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-19** Date Collected: 08/14/19 11:59

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 02:13	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 02:13	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 02:13	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 02:13	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 02:13	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 02:13	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 02:13	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 02:13	M
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	70-128		8/28/2019 02:13	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/28/2019 02:13	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		8/28/2019 02:13	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 02:13	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 02:13	M
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	77-125		8/28/2019 02:13	
Toluene-d8 (S)	**101**		**%**	**1**	80-121		8/28/2019 02:13	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 02:13	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.24**		**mg/L**	**1**	0.10	0.029	8/19/2019 14:14	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**250**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.2**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:10	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/15/2019 14:07	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151018** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/14/19 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	**210.2**		**umhos/cm**	**1**			8/14/2019 12:27	....
Dissolved Oxygen	**0.51**		**mg/L**	**1**			8/14/2019 12:27	....
ORP-2580BW	**135.5**		**mV**	**1**			8/14/2019 12:27	....
Temperature	**25.3**		**°C**	**1**			8/14/2019 12:27	....
Turbidity	**4.48**		**NTU**	**1**			8/14/2019 12:27	....
pH	**5.74**		**SU**	**1**			8/14/2019 12:27	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/16/2019 18:03	T
Iron	**0.049**	**I**	**mg/L**	**1**	0.10	0.026	8/16/2019 18:03	T
Sodium	**4.2**		**mg/L**	**1**	0.20	0.17	8/16/2019 18:03	T
Zinc	**0.0082**	**I**	**mg/L**	**1**	0.010	0.0074	8/16/2019 18:03	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00033**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 15:14	J
Arsenic	**0.00044**	**I**	**mg/L**	**1**	0.0010	0.000077	8/25/2019 15:14	J
Barium	**0.0083**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 15:14	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 15:14	J
Chromium	**0.00060**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 15:14	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 15:14	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 15:14	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 15:14	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 15:14	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 15:14	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 15:14	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 15:14	J
Vanadium	**0.014**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 15:14	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:17	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151018** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/14/19 12:27

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 03:12	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 03:12	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 03:12	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 03:12	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 03:12	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 03:12	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 03:12	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 03:12	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:12	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 03:12	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:12	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 03:12	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 03:12	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 03:12	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 03:12	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 03:12	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 03:12	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:12	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 03:12	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 03:12	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 03:12	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 03:12	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 03:12	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 03:12	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 03:12	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 03:12	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 03:12	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 03:12	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 03:12	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 03:12	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 03:12	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 03:12	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 03:12	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:12	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:12	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 03:12	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 03:12	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151018** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-36A** Date Collected: 08/14/19 12:27

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 03:12	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 03:12	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 03:12	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:12	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 03:12	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 03:12	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 03:12	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 03:12	M
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-128		8/28/2019 03:12	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/28/2019 03:12	
Bromofluorobenzene (S)	**103**		**%**	**1**	86-123		8/28/2019 03:12	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 03:12	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 03:12	M
1,2-Dichloroethane-d4 (S)	**120**		**%**	**1**	77-125		8/28/2019 03:12	
Toluene-d8 (S)	**98**		**%**	**1**	80-121		8/28/2019 03:12	
Bromofluorobenzene (S)	**106**		**%**	**1**	80-129		8/28/2019 03:12	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.029**	**U**	**mg/L**	**1**	0.10	0.029	8/19/2019 14:15	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**130**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.9**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:11	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.096**	**I**	**mg/L**	**1**	0.10	0.079	8/15/2019 14:10	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151019** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/14/19 13:03

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	**1476**		**umhos/cm**	**1**			8/14/2019 13:03	....
Dissolved Oxygen	**0.13**		**mg/L**	**1**			8/14/2019 13:03	....
ORP-2580BW	**-40.4**		**mV**	**1**			8/14/2019 13:03	....
Temperature	**24.9**		**°C**	**1**			8/14/2019 13:03	....
Turbidity	**6.51**		**NTU**	**1**			8/14/2019 13:03	....
pH	**6.16**		**SU**	**1**			8/14/2019 13:03	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/16/2019 18:07	T
Iron	**40**		**mg/L**	**1**	0.10	0.026	8/16/2019 18:07	T
Sodium	**52**		**mg/L**	**1**	0.20	0.17	8/16/2019 18:07	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/16/2019 18:07	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00060**	**I**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 15:19	J
Arsenic	**0.0037**		**mg/L**	**1**	0.0010	0.000077	8/25/2019 15:19	J
Barium	**0.018**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 15:19	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 15:19	J
Chromium	**0.00081**	**I**	**mg/L**	**1**	0.0020	0.00011	8/25/2019 15:19	J
Cobalt	**0.00025**	**I**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 15:19	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 15:19	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 15:19	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 15:19	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 15:19	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 15:19	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 15:19	J
Vanadium	**0.0096**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 15:19	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:20	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151019** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/14/19 13:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 03:42	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 03:42	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 03:42	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 03:42	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 03:42	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 03:42	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 03:42	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 03:42	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:42	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 03:42	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:42	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 03:42	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 03:42	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 03:42	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 03:42	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 03:42	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 03:42	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:42	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 03:42	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 03:42	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 03:42	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 03:42	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 03:42	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 03:42	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 03:42	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 03:42	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 03:42	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 03:42	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 03:42	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 03:42	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 03:42	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 03:42	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 03:42	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:42	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 03:42	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 03:42	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 03:42	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151019** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-71A** Date Collected: 08/14/19 13:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 03:42	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 03:42	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 03:42	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 03:42	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 03:42	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 03:42	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 03:42	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 03:42	M
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/28/2019 03:42	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/28/2019 03:42	
Bromofluorobenzene (S)	**106**		**%**	**1**	86-123		8/28/2019 03:42	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 03:42	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 03:42	M
1,2-Dichloroethane-d4 (S)	**114**		**%**	**1**	77-125		8/28/2019 03:42	
Toluene-d8 (S)	**98**		**%**	**1**	80-121		8/28/2019 03:42	
Bromofluorobenzene (S)	**108**		**%**	**1**	80-129		8/28/2019 03:42	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.7**		**mg/L**	**1**	0.10	0.029	8/19/2019 14:16	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**920**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**310**		**mg/L**	**5**	25	13	8/20/2019 09:39	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.11**		**mg/L**	**1**	0.10	0.079	8/15/2019 14:06	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151020** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/14/19 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	**194.9**		**umhos/cm**	**1**			8/14/2019 15:25	....
Dissolved Oxygen	**0.65**		**mg/L**	**1**			8/14/2019 15:25	....
ORP-2580BW	**-24.4**		**mV**	**1**			8/14/2019 15:25	....
Temperature	**28.4**		**°C**	**1**			8/14/2019 15:25	....
Turbidity	**19.7**		**NTU**	**1**			8/14/2019 15:25	....
pH	**5.63**		**SU**	**1**			8/14/2019 15:25	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/16/2019 18:29	T
Iron	**0.35**		**mg/L**	**1**	0.10	0.026	8/16/2019 18:29	T
Sodium	**6.9**		**mg/L**	**1**	0.20	0.17	8/16/2019 18:29	T
Zinc	**0.0077**	**I**	**mg/L**	**1**	0.010	0.0074	8/16/2019 18:29	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/25/2019 15:24	J
Arsenic	**0.0014**		**mg/L**	**1**	0.0010	0.000077	8/25/2019 15:24	J
Barium	**0.0057**		**mg/L**	**1**	0.00060	0.00024	8/25/2019 15:24	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/25/2019 15:24	J
Chromium	**0.0029**		**mg/L**	**1**	0.0020	0.00011	8/25/2019 15:24	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/25/2019 15:24	J
Copper	**0.00036**	**I**	**mg/L**	**1**	0.00070	0.00035	8/25/2019 15:24	J
Lead	**0.00026**	**I**	**mg/L**	**1**	0.00070	0.00024	8/25/2019 15:24	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/25/2019 15:24	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/25/2019 15:24	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/25/2019 15:24	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/25/2019 15:24	J
Vanadium	**0.0023**		**mg/L**	**1**	0.0020	0.00071	8/25/2019 15:24	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:23	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151020** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/14/19 15:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 04:11	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 04:11	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 04:11	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 04:11	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 04:11	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 04:11	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 04:11	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 04:11	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:11	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 04:11	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:11	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 04:11	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 04:11	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 04:11	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 04:11	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 04:11	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 04:11	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:11	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 04:11	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 04:11	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 04:11	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 04:11	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 04:11	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 04:11	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 04:11	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 04:11	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 04:11	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 04:11	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 04:11	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 04:11	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 04:11	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 04:11	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 04:11	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:11	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:11	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 04:11	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 04:11	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151020** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **TH-68** Date Collected: 08/14/19 15:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 04:11	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 04:11	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 04:11	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:11	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 04:11	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 04:11	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 04:11	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 04:11	M
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/28/2019 04:11	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/28/2019 04:11	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/28/2019 04:11	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 04:11	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 04:11	M
1,2-Dichloroethane-d4 (S)	**118**		**%**	**1**	77-125		8/28/2019 04:11	
Toluene-d8 (S)	**99**		**%**	**1**	80-121		8/28/2019 04:11	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 04:11	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.17**		**mg/L**	**1**	0.10	0.029	8/19/2019 14:22	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**250**		**mg/L**	**1**	10	10	8/15/2019 13:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.5**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:12	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/15/2019 14:10	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151021** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/14/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 01:44	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 01:44	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 01:44	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 01:44	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 01:44	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 01:44	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 01:44	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 01:44	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 01:44	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 01:44	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 01:44	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 01:44	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 01:44	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 01:44	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 01:44	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 01:44	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 01:44	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 01:44	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 01:44	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 01:44	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 01:44	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 01:44	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 01:44	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 01:44	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 01:44	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 01:44	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 01:44	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 01:44	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 01:44	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 01:44	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 01:44	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 01:44	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 01:44	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 01:44	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 01:44	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 01:44	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151021** Date Received: 08/14/19 16:35 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/14/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 01:44	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 01:44	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 01:44	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 01:44	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 01:44	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 01:44	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 01:44	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 01:44	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 01:44	M
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/28/2019 01:44	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/28/2019 01:44	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		8/28/2019 01:44	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 01:44	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 01:44	M
1,2-Dichloroethane-d4 (S)	**113**		**%**	**1**	77-125		8/28/2019 01:44	
Toluene-d8 (S)	**100**		**%**	**1**	80-121		8/28/2019 01:44	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 01:44	

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151022** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/15/19 09:16

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**178.9**		**umhos/cm**	**1**			8/15/2019 09:16	....
Dissolved Oxygen	**0.27**		**mg/L**	**1**			8/15/2019 09:16	....
ORP-2580BW	**157.7**		**mV**	**1**			8/15/2019 09:16	....
Temperature	**26.9**		**°C**	**1**			8/15/2019 09:16	....
Turbidity	**14.6**		**NTU**	**1**			8/15/2019 09:16	....
pH	**5.45**		**SU**	**1**			8/15/2019 09:16	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 16:25	T
Iron	**0.36**		**mg/L**	**1**	0.10	0.026	8/19/2019 16:25	T
Sodium	**5.6**		**mg/L**	**1**	0.20	0.17	8/19/2019 16:25	T
Zinc	**0.0097**	**I**	**mg/L**	**1**	0.010	0.0074	8/19/2019 16:25	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00054**	**I**	**mg/L**	**1**	0.00070	0.00011	8/28/2019 18:33	J
Arsenic	**0.00046**	**I**	**mg/L**	**1**	0.0010	0.000077	8/28/2019 18:33	J
Barium	**0.035**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 18:33	J
Cadmium	**0.00026**	**I**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 18:33	J
Chromium	**0.0021**		**mg/L**	**1**	0.0020	0.00011	8/28/2019 18:33	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 18:33	J
Copper	**0.00084**		**mg/L**	**1**	0.00070	0.00035	8/28/2019 18:33	J
Lead	**0.0010**		**mg/L**	**1**	0.00070	0.00024	8/28/2019 18:33	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 18:33	J
Selenium	**0.00090**	**I**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 18:33	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 18:33	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 18:33	J
Vanadium	**0.016**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 18:33	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:25	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151022** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/15/19 09:16

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	**120**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 04:41	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 04:41	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 04:41	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 04:41	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 04:41	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 04:41	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 04:41	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 04:41	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:41	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 04:41	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:41	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 04:41	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 04:41	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 04:41	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 04:41	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 04:41	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 04:41	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:41	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 04:41	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 04:41	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 04:41	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 04:41	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 04:41	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 04:41	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 04:41	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 04:41	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 04:41	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 04:41	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 04:41	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 04:41	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 04:41	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 04:41	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 04:41	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:41	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151022** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-64** Date Collected: 08/15/19 09:16

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 04:41	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 04:41	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 04:41	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 04:41	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 04:41	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 04:41	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 04:41	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 04:41	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 04:41	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 04:41	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 04:41	M
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/28/2019 04:41	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/28/2019 04:41	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/28/2019 04:41	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 04:41	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 04:41	M
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	77-125		8/28/2019 04:41	
Toluene-d8 (S)	**99**		**%**	**1**	80-121		8/28/2019 04:41	
Bromofluorobenzene (S)	**108**		**%**	**1**	80-129		8/28/2019 04:41	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.029**	**U**	**mg/L**	**1**	0.10	0.029	8/19/2019 14:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.3**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:13	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:50	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151023** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/15/19 09:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**228.5**		**umhos/cm**	**1**			8/15/2019 09:48	....
Dissolved Oxygen	**0.18**		**mg/L**	**1**			8/15/2019 09:48	....
ORP-2580BW	**165.6**		**mV**	**1**			8/15/2019 09:48	....
Temperature	**25.7**		**°C**	**1**			8/15/2019 09:48	....
Turbidity	**1.76**		**NTU**	**1**			8/15/2019 09:48	....
pH	**5.78**		**SU**	**1**			8/15/2019 09:48	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 16:28	T
Iron	**0.036**	**I**	**mg/L**	**1**	0.10	0.026	8/19/2019 16:28	T
Sodium	**3.9**		**mg/L**	**1**	0.20	0.17	8/19/2019 16:28	T
Zinc	**0.011**		**mg/L**	**1**	0.010	0.0074	8/19/2019 16:28	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.0030**		**mg/L**	**1**	0.00070	0.00011	8/28/2019 18:38	J
Arsenic	**0.0014**		**mg/L**	**1**	0.0010	0.000077	8/28/2019 18:38	J
Barium	**0.0074**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 18:38	J
Cadmium	**0.00037**	**I**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 18:38	J
Chromium	**0.00067**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 18:38	J
Cobalt	**0.00032**	**I**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 18:38	J
Copper	**0.00075**		**mg/L**	**1**	0.00070	0.00035	8/28/2019 18:38	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 18:38	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 18:38	J
Selenium	**0.00073**	**I**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 18:38	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 18:38	J
Thallium	**0.00014**	**I**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 18:38	J
Vanadium	**0.0088**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 18:38	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:28	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151023** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/15/19 09:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 05:11	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 05:11	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 05:11	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 05:11	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 05:11	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 05:11	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 05:11	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 05:11	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:11	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 05:11	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:11	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 05:11	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 05:11	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 05:11	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 05:11	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 05:11	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 05:11	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:11	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 05:11	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 05:11	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 05:11	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 05:11	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 05:11	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 05:11	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 05:11	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 05:11	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 05:11	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 05:11	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 05:11	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 05:11	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 05:11	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 05:11	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 05:11	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:11	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:11	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 05:11	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 05:11	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151023** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61** Date Collected: 08/15/19 09:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 05:11	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 05:11	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 05:11	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:11	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 05:11	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 05:11	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 05:11	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 05:11	M
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	70-128		8/28/2019 05:11	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/28/2019 05:11	
Bromofluorobenzene (S)	**102**		**%**	**1**	86-123		8/28/2019 05:11	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 05:11	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 05:11	M
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	77-125		8/28/2019 05:11	
Toluene-d8 (S)	**100**		**%**	**1**	80-121		8/28/2019 05:11	
Bromofluorobenzene (S)	**105**		**%**	**1**	80-129		8/28/2019 05:11	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.04**	**I**	**mg/L**	**1**	0.10	0.029	8/19/2019 14:28	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.4**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**4.3**		**mg/L**	**5**	0.50	0.39	8/16/2019 14:29	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151024** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/15/19 10:14

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	**285.1**		**umhos/cm**	**1**			8/15/2019 10:14	....
Dissolved Oxygen	**0.5**		**mg/L**	**1**			8/15/2019 10:14	....
ORP-2580BW	**107.1**		**mV**	**1**			8/15/2019 10:14	....
Temperature	**26.7**		**°C**	**1**			8/15/2019 10:14	....
Turbidity	**2.23**		**NTU**	**1**			8/15/2019 10:14	....
pH	**5.9**		**SU**	**1**			8/15/2019 10:14	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 16:32	T
Iron	**0.036**	**I**	**mg/L**	**1**	0.10	0.026	8/19/2019 16:32	T
Sodium	**4.6**		**mg/L**	**1**	0.20	0.17	8/19/2019 16:32	T
Zinc	**0.033**		**mg/L**	**1**	0.010	0.0074	8/19/2019 16:32	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.0027**		**mg/L**	**1**	0.00070	0.00011	8/28/2019 18:44	J
Arsenic	**0.00037**	**I**	**mg/L**	**1**	0.0010	0.000077	8/28/2019 18:44	J
Barium	**0.0048**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 18:44	J
Cadmium	**0.00079**		**mg/L**	**1**	0.00050	0.000064	8/28/2019 18:44	J
Chromium	**0.00065**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 18:44	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 18:44	J
Copper	**0.0018**		**mg/L**	**1**	0.00070	0.00035	8/28/2019 18:44	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 18:44	J
Nickel	**0.0011**	**I**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 18:44	J
Selenium	**0.0022**	**I**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 18:44	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 18:44	J
Thallium	**0.00010**	**I**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 18:44	J
Vanadium	**0.13**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 18:44	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:30	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151024** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/15/19 10:14

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 05:40	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 05:40	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 05:40	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 05:40	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 05:40	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 05:40	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 05:40	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 05:40	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:40	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 05:40	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:40	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 05:40	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 05:40	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 05:40	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 05:40	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 05:40	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 05:40	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:40	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 05:40	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 05:40	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 05:40	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 05:40	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 05:40	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 05:40	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 05:40	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 05:40	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 05:40	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 05:40	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 05:40	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 05:40	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 05:40	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 05:40	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 05:40	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:40	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 05:40	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 05:40	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 05:40	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151024** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-61A** Date Collected: 08/15/19 10:14

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 05:40	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 05:40	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 05:40	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 05:40	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 05:40	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 05:40	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 05:40	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 05:40	M
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/28/2019 05:40	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/28/2019 05:40	
Bromofluorobenzene (S)	**101**		**%**	**1**	86-123		8/28/2019 05:40	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 05:40	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 05:40	M
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	77-125		8/28/2019 05:40	
Toluene-d8 (S)	**100**		**%**	**1**	80-121		8/28/2019 05:40	
Bromofluorobenzene (S)	**104**		**%**	**1**	80-129		8/28/2019 05:40	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.029**	**U**	**mg/L**	**1**	0.10	0.029	8/19/2019 14:29	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**180**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**7.5**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:14	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**9.3**		**mg/L**	**10**	1.0	0.79	8/16/2019 14:30	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151025** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/15/19 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**688**		**umhos/cm**	**1**			8/15/2019 11:01	....
Dissolved Oxygen	**0.08**		**mg/L**	**1**			8/15/2019 11:01	....
ORP-2580BW	**-73.6**		**mV**	**1**			8/15/2019 11:01	....
Temperature	**25.8**		**°C**	**1**			8/15/2019 11:01	....
Turbidity	**154.8**		**NTU**	**1**			8/15/2019 11:01	....
pH	**6.26**		**SU**	**1**			8/15/2019 11:01	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 16:36	T
Iron	**62**		**mg/L**	**1**	0.10	0.026	8/19/2019 16:36	T
Sodium	**11**		**mg/L**	**1**	0.20	0.17	8/19/2019 16:36	T
Zinc	**0.029**		**mg/L**	**1**	0.010	0.0074	8/19/2019 16:36	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/28/2019 18:49	J
Arsenic	**0.0059**		**mg/L**	**1**	0.0010	0.000077	8/28/2019 18:49	J
Barium	**0.022**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 18:49	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 18:49	J
Chromium	**0.00065**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 18:49	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 18:49	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/28/2019 18:49	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 18:49	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 18:49	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 18:49	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 18:49	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 18:49	J
Vanadium	**0.0040**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 18:49	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:33	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151025** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/15/19 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 06:10	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 06:10	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 06:10	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 06:10	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 06:10	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 06:10	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 06:10	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 06:10	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 06:10	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 06:10	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 06:10	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 06:10	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 06:10	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 06:10	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 06:10	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 06:10	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 06:10	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 06:10	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 06:10	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 06:10	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 06:10	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 06:10	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 06:10	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 06:10	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 06:10	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 06:10	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 06:10	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 06:10	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 06:10	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 06:10	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 06:10	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 06:10	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 06:10	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 06:10	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 06:10	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 06:10	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 06:10	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151025** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-70A** Date Collected: 08/15/19 11:01

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 06:10	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 06:10	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 06:10	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 06:10	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 06:10	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 06:10	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 06:10	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 06:10	M
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/28/2019 06:10	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/28/2019 06:10	
Bromofluorobenzene (S)	**104**		**%**	**1**	86-123		8/28/2019 06:10	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 06:10	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 06:10	M
1,2-Dichloroethane-d4 (S)	**111**		**%**	**1**	77-125		8/28/2019 06:10	
Toluene-d8 (S)	**98**		**%**	**1**	80-121		8/28/2019 06:10	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 06:10	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**1.5**		**mg/L**	**1**	0.10	0.029	8/19/2019 14:29	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**410**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**40**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:15	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:51	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151026** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/15/19 11:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**729**		**umhos/cm**	**1**			8/15/2019 11:48	....
Dissolved Oxygen	**0.27**		**mg/L**	**1**			8/15/2019 11:48	....
ORP-2580BW	**8.7**		**mV**	**1**			8/15/2019 11:48	....
Temperature	**26.1**		**°C**	**1**			8/15/2019 11:48	....
Turbidity	**3.18**		**NTU**	**1**			8/15/2019 11:48	....
pH	**6.1**		**SU**	**1**			8/15/2019 11:48	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 16:57	T
Iron	**3.0**		**mg/L**	**1**	0.10	0.026	8/19/2019 16:57	T
Sodium	**28**		**mg/L**	**1**	0.20	0.17	8/19/2019 16:57	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/19/2019 16:57	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/28/2019 19:07	J
Arsenic	**0.00015**	**I**	**mg/L**	**1**	0.0010	0.000077	8/28/2019 19:07	J
Barium	**0.0035**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 19:07	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 19:07	J
Chromium	**0.00039**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 19:07	J
Cobalt	**0.00019**	**U**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 19:07	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/28/2019 19:07	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 19:07	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 19:07	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 19:07	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 19:07	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 19:07	J
Vanadium	**0.00071**	**U**	**mg/L**	**1**	0.0020	0.00071	8/28/2019 19:07	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/23/2019 14:36	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151026** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/15/19 11:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 07:09	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 07:09	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 07:09	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 07:09	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 07:09	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 07:09	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 07:09	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 07:09	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:09	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 07:09	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:09	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 07:09	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 07:09	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 07:09	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 07:09	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 07:09	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 07:09	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:09	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 07:09	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 07:09	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 07:09	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 07:09	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 07:09	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 07:09	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 07:09	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 07:09	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 07:09	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 07:09	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 07:09	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 07:09	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 07:09	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 07:09	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 07:09	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:09	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:09	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 07:09	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 07:09	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151026** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-69A** Date Collected: 08/15/19 11:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 07:09	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 07:09	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 07:09	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:09	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 07:09	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 07:09	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 07:09	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 07:09	M
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/28/2019 07:09	
Toluene-d8 (S)	**99**		**%**	**1**	77-119		8/28/2019 07:09	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/28/2019 07:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 07:09	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 07:09	M
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	77-125		8/28/2019 07:09	
Toluene-d8 (S)	**102**		**%**	**1**	80-121		8/28/2019 07:09	
Bromofluorobenzene (S)	**107**		**%**	**1**	80-129		8/28/2019 07:09	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.38**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:24	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**540**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**130**	**J4**	**mg/L**	**5**	25	13	8/20/2019 09:40	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:42	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151027** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/15/19 12:24

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	**239.3**		**umhos/cm**	**1**			8/15/2019 12:24	....
Dissolved Oxygen	**0.16**		**mg/L**	**1**			8/15/2019 12:24	....
ORP-2580BW	**-14.8**		**mV**	**1**			8/15/2019 12:24	....
Temperature	**25.5**		**°C**	**1**			8/15/2019 12:24	....
Turbidity	**4.11**		**NTU**	**1**			8/15/2019 12:24	....
pH	**5.77**		**SU**	**1**			8/15/2019 12:24	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 17:01	T
Iron	**1.9**		**mg/L**	**1**	0.10	0.026	8/19/2019 17:01	T
Sodium	**9.4**		**mg/L**	**1**	0.20	0.17	8/19/2019 17:01	T
Zinc	**0.0080**	**I**	**mg/L**	**1**	0.010	0.0074	8/19/2019 17:01	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**U**	**mg/L**	**1**	0.00070	0.00011	8/28/2019 19:12	J
Arsenic	**0.013**		**mg/L**	**1**	0.0010	0.000077	8/28/2019 19:12	J
Barium	**0.00080**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 19:12	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 19:12	J
Chromium	**0.0013**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 19:12	J
Cobalt	**0.00035**	**I**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 19:12	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/28/2019 19:12	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 19:12	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 19:12	J
Selenium	**0.0010**	**I**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 19:12	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 19:12	J
Thallium	**0.000076**	**I**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 19:12	J
Vanadium	**0.0021**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 19:12	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/28/2019 10:14	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151027** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/15/19 12:24

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 07:39	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 07:39	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 07:39	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 07:39	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 07:39	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 07:39	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 07:39	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 07:39	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:39	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 07:39	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:39	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 07:39	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 07:39	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 07:39	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 07:39	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 07:39	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 07:39	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:39	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 07:39	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 07:39	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 07:39	M
Carbon Disulfide	**1.2**	**I**	**ug/L**	**1**	5.0	1.1	8/28/2019 07:39	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 07:39	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 07:39	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 07:39	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 07:39	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 07:39	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 07:39	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 07:39	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 07:39	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 07:39	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 07:39	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 07:39	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:39	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 07:39	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 07:39	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 07:39	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151027** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-65** Date Collected: 08/15/19 12:24

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 07:39	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 07:39	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 07:39	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 07:39	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 07:39	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 07:39	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 07:39	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 07:39	M
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	70-128		8/28/2019 07:39	
Toluene-d8 (S)	**95**		**%**	**1**	77-119		8/28/2019 07:39	
Bromofluorobenzene (S)	**102**		**%**	**1**	86-123		8/28/2019 07:39	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 07:39	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 07:39	M
1,2-Dichloroethane-d4 (S)	**112**		**%**	**1**	77-125		8/28/2019 07:39	
Toluene-d8 (S)	**99**		**%**	**1**	80-121		8/28/2019 07:39	
Bromofluorobenzene (S)	**105**		**%**	**1**	80-129		8/28/2019 07:39	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.73**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:24	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**13**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:21	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:40	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151028** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/15/19 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**272.3**		**umhos/cm**	**1**			8/15/2019 13:30	....
Dissolved Oxygen	**0.28**		**mg/L**	**1**			8/15/2019 13:30	....
ORP-2580BW	**3.5**		**mV**	**1**			8/15/2019 13:30	....
Temperature	**26.8**		**°C**	**1**			8/15/2019 13:30	....
Turbidity	**1.28**		**NTU**	**1**			8/15/2019 13:30	....
pH	**6.24**		**SU**	**1**			8/15/2019 13:30	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 17:05	T
Iron	**0.31**		**mg/L**	**1**	0.10	0.026	8/19/2019 17:05	T
Sodium	**5.2**		**mg/L**	**1**	0.20	0.17	8/19/2019 17:05	T
Zinc	**0.0091**	**I**	**mg/L**	**1**	0.010	0.0074	8/19/2019 17:05	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.0012**		**mg/L**	**1**	0.00070	0.00011	8/28/2019 19:17	J
Arsenic	**0.0019**		**mg/L**	**1**	0.0010	0.000077	8/28/2019 19:17	J
Barium	**0.0030**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 19:17	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 19:17	J
Chromium	**0.00039**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 19:17	J
Cobalt	**0.00050**		**mg/L**	**1**	0.00050	0.00019	8/28/2019 19:17	J
Copper	**0.00097**		**mg/L**	**1**	0.00070	0.00035	8/28/2019 19:17	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 19:17	J
Nickel	**0.0020**	**I**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 19:17	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 19:17	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 19:17	J
Thallium	**0.00024**		**mg/L**	**1**	0.00020	0.000057	8/28/2019 19:17	J
Vanadium	**0.015**		**mg/L**	**1**	0.0020	0.00071	8/28/2019 19:17	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/28/2019 10:43	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151028** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/15/19 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 08:08	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 08:08	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 08:08	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 08:08	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 08:08	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 08:08	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 08:08	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 08:08	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:08	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 08:08	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:08	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 08:08	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 08:08	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 08:08	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 08:08	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 08:08	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 08:08	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:08	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 08:08	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 08:08	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 08:08	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 08:08	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 08:08	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 08:08	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 08:08	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 08:08	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 08:08	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 08:08	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 08:08	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 08:08	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 08:08	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 08:08	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 08:08	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:08	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:08	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 08:08	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 08:08	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151028** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/15/19 13:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 08:08	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 08:08	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 08:08	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:08	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 08:08	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 08:08	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 08:08	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 08:08	M
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/28/2019 08:08	
Toluene-d8 (S)	**94**		**%**	**1**	77-119		8/28/2019 08:08	
Bromofluorobenzene (S)	**105**		**%**	**1**	86-123		8/28/2019 08:08	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 08:08	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 08:08	M
1,2-Dichloroethane-d4 (S)	**117**		**%**	**1**	77-125		8/28/2019 08:08	
Toluene-d8 (S)	**97**		**%**	**1**	80-121		8/28/2019 08:08	
Bromofluorobenzene (S)	**108**		**%**	**1**	80-129		8/28/2019 08:08	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.19**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:25	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**140**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**9.9**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:22	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:45	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151029** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/15/19 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	**327.8**		**umhos/cm**	**1**			8/15/2019 14:04	....
Dissolved Oxygen	**0.1**		**mg/L**	**1**			8/15/2019 14:04	....
ORP-2580BW	**-21.6**		**mV**	**1**			8/15/2019 14:04	....
Temperature	**26.1**		**°C**	**1**			8/15/2019 14:04	....
Turbidity	**0.54**		**NTU**	**1**			8/15/2019 14:04	....
pH	**6.02**		**SU**	**1**			8/15/2019 14:04	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 17:08	T
Iron	**2.5**		**mg/L**	**1**	0.10	0.026	8/19/2019 17:08	T
Sodium	**7.6**		**mg/L**	**1**	0.20	0.17	8/19/2019 17:08	T
Zinc	**0.0074**	**U**	**mg/L**	**1**	0.010	0.0074	8/19/2019 17:08	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.00011**	**I**	**mg/L**	**1**	0.00070	0.00011	8/28/2019 19:22	J
Arsenic	**0.0025**		**mg/L**	**1**	0.0010	0.000077	8/28/2019 19:22	J
Barium	**0.0012**		**mg/L**	**1**	0.00060	0.00024	8/28/2019 19:22	J
Cadmium	**0.000064**	**U**	**mg/L**	**1**	0.00050	0.000064	8/28/2019 19:22	J
Chromium	**0.00046**	**I**	**mg/L**	**1**	0.0020	0.00011	8/28/2019 19:22	J
Cobalt	**0.00033**	**I**	**mg/L**	**1**	0.00050	0.00019	8/28/2019 19:22	J
Copper	**0.00035**	**U**	**mg/L**	**1**	0.00070	0.00035	8/28/2019 19:22	J
Lead	**0.00024**	**U**	**mg/L**	**1**	0.00070	0.00024	8/28/2019 19:22	J
Nickel	**0.00098**	**U**	**mg/L**	**1**	0.0020	0.00098	8/28/2019 19:22	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/28/2019 19:22	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/28/2019 19:22	J
Thallium	**0.000057**	**U**	**mg/L**	**1**	0.00020	0.000057	8/28/2019 19:22	J
Vanadium	**0.0013**	**I**	**mg/L**	**1**	0.0020	0.00071	8/28/2019 19:22	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/28/2019 10:45	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151029** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/15/19 14:04

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 08:38	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 08:38	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 08:38	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 08:38	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 08:38	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 08:38	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 08:38	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 08:38	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:38	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 08:38	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:38	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 08:38	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 08:38	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 08:38	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 08:38	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 08:38	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 08:38	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:38	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 08:38	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 08:38	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 08:38	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 08:38	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 08:38	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 08:38	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 08:38	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 08:38	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 08:38	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 08:38	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 08:38	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 08:38	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 08:38	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 08:38	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 08:38	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:38	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 08:38	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 08:38	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 08:38	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151029** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **TH-66** Date Collected: 08/15/19 14:04

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 08:38	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 08:38	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 08:38	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 08:38	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 08:38	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 08:38	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 08:38	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 08:38	M
1,2-Dichloroethane-d4 (S)	**106**		**%**	**1**	70-128		8/28/2019 08:38	
Toluene-d8 (S)	**97**		**%**	**1**	77-119		8/28/2019 08:38	
Bromofluorobenzene (S)	**111**		**%**	**1**	86-123		8/28/2019 08:38	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 08:38	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 08:38	M
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	77-125		8/28/2019 08:38	
Toluene-d8 (S)	**100**		**%**	**1**	80-121		8/28/2019 08:38	
Bromofluorobenzene (S)	**114**		**%**	**1**	80-129		8/28/2019 08:38	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.71**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:26	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**15**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:23	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:39	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151030** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/15/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 09:08	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 09:08	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 09:08	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 09:08	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 09:08	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 09:08	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 09:08	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 09:08	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:08	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 09:08	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:08	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 09:08	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 09:08	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 09:08	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 09:08	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 09:08	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 09:08	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:08	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 09:08	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 09:08	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 09:08	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 09:08	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 09:08	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 09:08	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 09:08	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 09:08	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 09:08	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 09:08	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 09:08	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 09:08	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 09:08	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 09:08	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 09:08	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:08	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:08	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 09:08	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151030** Date Received: 08/15/19 15:07 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/15/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 09:08	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 09:08	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 09:08	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 09:08	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:08	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 09:08	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 09:08	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 09:08	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 09:08	M
1,2-Dichloroethane-d4 (S)	**105**		**%**	**1**	70-128		8/28/2019 09:08	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/28/2019 09:08	
Bromofluorobenzene (S)	**109**		**%**	**1**	86-123		8/28/2019 09:08	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 09:08	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 09:08	M
1,2-Dichloroethane-d4 (S)	**119**		**%**	**1**	77-125		8/28/2019 09:08	
Toluene-d8 (S)	**99**		**%**	**1**	80-121		8/28/2019 09:08	
Bromofluorobenzene (S)	**111**		**%**	**1**	80-129		8/28/2019 09:08	

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151031** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/16/19 09:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**187.4**		**umhos/cm**	**1**			8/16/2019 09:35	....
Dissolved Oxygen	**0.26**		**mg/L**	**1**			8/16/2019 09:35	....
ORP-2580BW	**8.6**		**mV**	**1**			8/16/2019 09:35	....
Temperature	**26.4**		**°C**	**1**			8/16/2019 09:35	....
Turbidity	**3.02**		**NTU**	**1**			8/16/2019 09:35	....
pH	**6.41**		**SU**	**1**			8/16/2019 09:35	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Beryllium	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 17:12	T
Iron	**0.91**		**mg/L**	**1**	0.10	0.026	8/19/2019 17:12	T
Sodium	**2.0**		**mg/L**	**1**	0.20	0.17	8/19/2019 17:12	T
Zinc	**0.041**		**mg/L**	**1**	0.010	0.0074	8/19/2019 17:12	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.0026**		**mg/L**	**1**	0.00070	0.00011	8/30/2019 13:52	J
Arsenic	**0.0031**		**mg/L**	**1**	0.0010	0.000077	8/30/2019 13:52	J
Barium	**0.0056**		**mg/L**	**1**	0.00060	0.00024	8/30/2019 13:52	J
Cadmium	**0.00025**	**I**	**mg/L**	**1**	0.00050	0.000064	8/30/2019 13:52	J
Chromium	**0.00061**	**I**	**mg/L**	**1**	0.0020	0.00011	8/30/2019 13:52	J
Cobalt	**0.0021**		**mg/L**	**1**	0.00050	0.00019	8/30/2019 13:52	J
Copper	**0.0038**		**mg/L**	**1**	0.00070	0.00035	8/30/2019 13:52	J
Lead	**0.00026**	**I**	**mg/L**	**1**	0.00070	0.00024	8/30/2019 13:52	J
Nickel	**0.0052**		**mg/L**	**1**	0.0020	0.00098	8/30/2019 13:52	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/30/2019 13:52	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/30/2019 13:52	J
Thallium	**0.00039**		**mg/L**	**1**	0.00020	0.000057	8/30/2019 13:52	J
Vanadium	**0.0072**		**mg/L**	**1**	0.0020	0.00071	8/30/2019 13:52	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/28/2019 10:47	T
VOLATILES								

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151031** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/16/19 09:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 09:37	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 09:37	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 09:37	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 09:37	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 09:37	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 09:37	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 09:37	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 09:37	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:37	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 09:37	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:37	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 09:37	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 09:37	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 09:37	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 09:37	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 09:37	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 09:37	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:37	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 09:37	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 09:37	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 09:37	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 09:37	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 09:37	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 09:37	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 09:37	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 09:37	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 09:37	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 09:37	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 09:37	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 09:37	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 09:37	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 09:37	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 09:37	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:37	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 09:37	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 09:37	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 09:37	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151031** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/16/19 09:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 09:37	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 09:37	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 09:37	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 09:37	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 09:37	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 09:37	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 09:37	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 09:37	M
1,2-Dichloroethane-d4 (S)	**104**		**%**	**1**	70-128		8/28/2019 09:37	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/28/2019 09:37	
Bromofluorobenzene (S)	**106**		**%**	**1**	86-123		8/28/2019 09:37	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 09:37	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 09:37	M
1,2-Dichloroethane-d4 (S)	**118**		**%**	**1**	77-125		8/28/2019 09:37	
Toluene-d8 (S)	**98**		**%**	**1**	80-121		8/28/2019 09:37	
Bromofluorobenzene (S)	**109**		**%**	**1**	80-129		8/28/2019 09:37	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.18**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**90**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**6.5**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:23	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:53	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151032** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/16/19 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	**0.00029**	**U**	**mg/L**	**1**	0.00060	0.00029	8/19/2019 17:16	T
Iron	**0.98**		**mg/L**	**1**	0.10	0.026	8/19/2019 17:16	T
Sodium	**2.2**		**mg/L**	**1**	0.20	0.17	8/19/2019 17:16	T
Zinc	**0.042**		**mg/L**	**1**	0.010	0.0074	8/19/2019 17:16	T
Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020							
Antimony	**0.0025**		**mg/L**	**1**	0.00070	0.00011	8/30/2019 14:20	J
Arsenic	**0.0031**		**mg/L**	**1**	0.0010	0.000077	8/30/2019 14:20	J
Barium	**0.0053**		**mg/L**	**1**	0.00060	0.00024	8/30/2019 14:20	J
Cadmium	**0.00026**	**I**	**mg/L**	**1**	0.00050	0.000064	8/30/2019 14:20	J
Chromium	**0.00066**	**I**	**mg/L**	**1**	0.0020	0.00011	8/30/2019 14:20	J
Cobalt	**0.0022**		**mg/L**	**1**	0.00050	0.00019	8/30/2019 14:20	J
Copper	**0.0039**		**mg/L**	**1**	0.00070	0.00035	8/30/2019 14:20	J
Lead	**0.00028**	**I**	**mg/L**	**1**	0.00070	0.00024	8/30/2019 14:20	J
Nickel	**0.0049**		**mg/L**	**1**	0.0020	0.00098	8/30/2019 14:20	J
Selenium	**0.00058**	**U**	**mg/L**	**1**	0.0050	0.00058	8/30/2019 14:20	J
Silver	**0.000068**	**U**	**mg/L**	**1**	0.00050	0.000068	8/30/2019 14:20	J
Thallium	**0.00039**		**mg/L**	**1**	0.00020	0.000057	8/30/2019 14:20	J
Vanadium	**0.0072**		**mg/L**	**1**	0.0020	0.00071	8/30/2019 14:20	J
Analysis Desc: SW846 7470A Analysis,Water	Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A							
Mercury	**0.000050**	**U**	**mg/L**	**1**	0.00010	0.000050	8/28/2019 10:50	T
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 10:09	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 10:09	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 10:09	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 10:09	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 10:09	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 10:09	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 10:09	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151032** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/16/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 10:09	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:09	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 10:09	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:09	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 10:09	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 10:09	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 10:09	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 10:09	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 10:09	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 10:09	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:09	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 10:09	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 10:09	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 10:09	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 10:09	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 10:09	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 10:09	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 10:09	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 10:09	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 10:09	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 10:09	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 10:09	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 10:09	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 10:09	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 10:09	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 10:09	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:09	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:09	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 10:09	M
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 10:09	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 10:09	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 10:09	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 10:09	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:09	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 10:09	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 10:09	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 10:09	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 10:09	M
1,2-Dichloroethane-d4 (S)	**101**		**%**	**1**	70-128		8/28/2019 10:09	
Toluene-d8 (S)	**98**		**%**	**1**	77-119		8/28/2019 10:09	

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151032** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/16/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Bromofluorobenzene (S)	**106**		**%**	**1**	86-123		8/28/2019 10:09	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 10:09	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 10:09	M
1,2-Dichloroethane-d4 (S)	**115**		**%**	**1**	77-125		8/28/2019 10:09	
Toluene-d8 (S)	**103**		**%**	**1**	80-121		8/28/2019 10:09	
Bromofluorobenzene (S)	**108**		**%**	**1**	80-129		8/28/2019 10:09	
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.17**		**mg/L**	**1**	0.10	0.029	8/26/2019 11:50	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**100**		**mg/L**	**1**	10	10	8/20/2019 12:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**6.1**		**mg/L**	**1**	5.0	2.6	8/20/2019 09:24	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate (as N)	**0.079**	**U**	**mg/L**	**1**	0.10	0.079	8/16/2019 13:52	T

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151033** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/16/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
VOLATILES								
Analysis Desc: 8260B VOCs Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	**0.67**	**U**	**ug/L**	**1**	1.0	0.67	8/28/2019 10:38	M
1,1,1-Trichloroethane	**0.55**	**U**	**ug/L**	**1**	1.0	0.55	8/28/2019 10:38	M
1,1,2,2-Tetrachloroethane	**0.16**	**U**	**ug/L**	**1**	1.0	0.16	8/28/2019 10:38	M
1,1,2-Trichloroethane	**0.61**	**U**	**ug/L**	**1**	1.0	0.61	8/28/2019 10:38	M
1,1-Dichloroethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 10:38	M
1,1-Dichloroethylene	**0.47**	**U**	**ug/L**	**1**	1.0	0.47	8/28/2019 10:38	M
1,2,3-Trichloropropane	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 10:38	M
1,2-Dichlorobenzene	**0.87**	**U**	**ug/L**	**1**	1.0	0.87	8/28/2019 10:38	M
1,2-Dichloroethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:38	M
1,2-Dichloropropane	**0.57**	**U**	**ug/L**	**1**	1.0	0.57	8/28/2019 10:38	M
1,4-Dichlorobenzene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:38	M
2-Butanone (MEK)	**1.6**	**U**	**ug/L**	**1**	5.0	1.6	8/28/2019 10:38	M
2-Hexanone	**0.78**	**U**	**ug/L**	**1**	5.0	0.78	8/28/2019 10:38	M
4-Methyl-2-pentanone (MIBK)	**1.9**	**U**	**ug/L**	**1**	5.0	1.9	8/28/2019 10:38	M
Acetone	**2.0**	**U**	**ug/L**	**1**	25	2.0	8/28/2019 10:38	M
Acrylonitrile	**2.6**	**U**	**ug/L**	**1**	5.0	2.6	8/28/2019 10:38	M
Benzene	**0.18**	**U**	**ug/L**	**1**	1.0	0.18	8/28/2019 10:38	M
Bromochloromethane	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:38	M
Bromodichloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 10:38	M
Bromoform	**0.73**	**U**	**ug/L**	**1**	5.0	0.73	8/28/2019 10:38	M
Bromomethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 10:38	M
Carbon Disulfide	**1.1**	**U**	**ug/L**	**1**	5.0	1.1	8/28/2019 10:38	M
Carbon Tetrachloride	**0.43**	**U**	**ug/L**	**1**	1.0	0.43	8/28/2019 10:38	M
Chlorobenzene	**0.69**	**U**	**ug/L**	**1**	1.0	0.69	8/28/2019 10:38	M
Chloroethane	**0.64**	**U**	**ug/L**	**1**	1.0	0.64	8/28/2019 10:38	M
Chloroform	**0.51**	**U**	**ug/L**	**1**	1.0	0.51	8/28/2019 10:38	M
Chloromethane	**0.42**	**U**	**ug/L**	**1**	1.0	0.42	8/28/2019 10:38	M
Dibromochloromethane	**0.37**	**U**	**ug/L**	**1**	1.0	0.37	8/28/2019 10:38	M
Dibromomethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 10:38	M
Ethylbenzene	**0.38**	**U**	**ug/L**	**1**	1.0	0.38	8/28/2019 10:38	M
Iodomethane (Methyl Iodide)	**1.2**	**U**	**ug/L**	**1**	5.0	1.2	8/28/2019 10:38	M
Methylene Chloride	**1.0**	**U**	**ug/L**	**1**	5.0	1.0	8/28/2019 10:38	M
Styrene	**0.45**	**U**	**ug/L**	**1**	1.0	0.45	8/28/2019 10:38	M
Tetrachloroethylene (PCE)	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:38	M
Toluene	**0.49**	**U**	**ug/L**	**1**	1.0	0.49	8/28/2019 10:38	M
Trichloroethene	**0.46**	**U**	**ug/L**	**1**	1.0	0.46	8/28/2019 10:38	M

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ANALYTICAL RESULTS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID: **T1914151033** Date Received: 08/16/19 11:10 Matrix: Water

Sample ID: **Trip Blank** Date Collected: 08/16/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Trichlorofluoromethane	**0.40**	**U**	**ug/L**	**1**	1.0	0.40	8/28/2019 10:38	M
Vinyl Acetate	**0.85**	**U**	**ug/L**	**1**	5.0	0.85	8/28/2019 10:38	M
Vinyl Chloride	**0.12**	**U**	**ug/L**	**1**	1.0	0.12	8/28/2019 10:38	M
Xylene (Total)	**1.1**	**U**	**ug/L**	**1**	2.0	1.1	8/28/2019 10:38	M
cis-1,2-Dichloroethylene	**0.48**	**U**	**ug/L**	**1**	1.0	0.48	8/28/2019 10:38	M
cis-1,3-Dichloropropene	**0.19**	**U**	**ug/L**	**1**	1.0	0.19	8/28/2019 10:38	M
trans-1,2-Dichloroethylene	**0.59**	**U**	**ug/L**	**1**	1.0	0.59	8/28/2019 10:38	M
trans-1,3-Dichloropropylene	**0.15**	**U**	**ug/L**	**1**	1.0	0.15	8/28/2019 10:38	M
trans-1,4-Dichloro-2-butene	**2.5**	**U**	**ug/L**	**1**	5.0	2.5	8/28/2019 10:38	M
1,2-Dichloroethane-d4 (S)	**103**		**%**	**1**	70-128		8/28/2019 10:38	
Toluene-d8 (S)	**96**		**%**	**1**	77-119		8/28/2019 10:38	
Bromofluorobenzene (S)	**107**		**%**	**1**	86-123		8/28/2019 10:38	
Analysis Desc: 8260B SIM Analysis, Water	Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B (SIM)							
1,2-Dibromo-3-Chloropropane	**0.026**	**U**	**ug/L**	**1**	0.10	0.026	8/28/2019 10:38	M
Ethylene Dibromide (EDB)	**0.013**	**U**	**ug/L**	**1**	0.10	0.013	8/28/2019 10:38	M
1,2-Dichloroethane-d4 (S)	**116**		**%**	**1**	77-125		8/28/2019 10:38	
Toluene-d8 (S)	**99**		**%**	**1**	80-121		8/28/2019 10:38	
Bromofluorobenzene (S)	**110**		**%**	**1**	80-129		8/28/2019 10:38	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

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.
[1]	Workorder filtered 8/14/19 10:00
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)
M	DOH Certification #E82535(AEL-M)(FL NELAC Certification)
T	DOH Certification #E84589(AEL-T)(FL NELAC Certification)
T^	Not Certified

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

QC Batch: WCAt/12850 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1914151005, T1914151006, T1914151007, T1914151008

METHOD BLANK: 3187680

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.079	0.079	U

LABORATORY CONTROL SAMPLE: 3187681

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3187682 3187683 Original: T1914117001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	2.3	1	3.3	3.3	100	98	90-110	1	10	

QC Batch: DGMt/3792 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/14/2019 10:00
Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008,

METHOD BLANK: 3188832

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	mg/L	0.00029	0.00029	U
Iron	mg/L	0.026	0.026	U
Sodium	mg/L	0.17	0.17	U
Zinc	mg/L	0.0074	0.0074	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3188833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	mg/L	0.4	0.41	102	80-120	
Iron	mg/L	25	27	108	80-120	
Sodium	mg/L	50	54	107	80-120	
Zinc	mg/L	0.4	0.41	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3188834 3188835 Original: G1906514008

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	mg/L	3e-006	0.4	0.37	0.37	92	92	75-125	0	20	
Iron	mg/L	0.98	25	26	26	98	98	75-125	0	20	
Sodium	mg/L	8.2	50	57	57	96	96	75-125	0	20	
Zinc	mg/L	0.054	0.4	0.40	0.41	87	88	75-125	1	20	

QC Batch: WCAt/12875 Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F Prepared:

Associated Lab Samples: T1914151001, T1914151002, T1914151003

METHOD BLANK: 3189042

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.079	0.079	U

LABORATORY CONTROL SAMPLE: 3189043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	0.98	98	90-110	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3189044 3189045 Original: T1914151001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	-0.037	1	1.0	1.0	103	101	90-110	2	10	

QC Batch: WCAt/12878 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3189077

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.079	0.079	U

LABORATORY CONTROL SAMPLE & LCSD: 3189078 3189079

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY										
Nitrate (as N)	mg/L	1	0.98	0.96	98	96	90-110	2	10	

QC Batch: WCAt/12881 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Prepared:
Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3189671

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

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3189672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	200	190	95	84.6-115.4	

SAMPLE DUPLICATE: 3189673 Original: T1914229001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Biochemical Oxygen Demand	mg/L	2900	3000	2	20	

QC Batch: WCAt/12883 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008

METHOD BLANK: 3189715

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

LABORATORY CONTROL SAMPLE: 3189716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	48	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3189717 3189718 Original: T1914151002

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	240	50	280	290	75	92	90-110	3	10	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3189719 3189720 Original: T1914151005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	7.3	50	57	57	99	98	90-110	0	10	

QC Batch: WCAt/12898 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1914151015

METHOD BLANK: 3190318

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

LABORATORY CONTROL SAMPLE: 3190319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	200	99	85-115	

SAMPLE DUPLICATE: 3190320 Original: A1906646001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	98	100	6	10	

QC Batch: WCAt/12899 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1914151010, T1914151011, T1914151012

METHOD BLANK: 3190321

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3190321

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

LABORATORY CONTROL SAMPLE: 3190322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	210	104	85-115	

SAMPLE DUPLICATE: 3190580 Original: T1914151011

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	3.2	3.0	6	10	

QC Batch: WCAt/12900 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Prepared:
Associated Lab Samples: T1914151013, T1914151014

METHOD BLANK: 3190324

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

LABORATORY CONTROL SAMPLE: 3190325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	200	210	103	85-115	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

SAMPLE DUPLICATE: 3190326 Original: T1914122002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Suspended Solids	mg/L	190	200	3	10	

QC Batch: WCAt/12901 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Prepared:
Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3190364

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

LABORATORY CONTROL SAMPLE: 3190365

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3190367 3190368 Original: T1914236002

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	26	500	530	530	102	102	90-110	0	10	

QC Batch: WCAt/12908 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020

METHOD BLANK: 3190683

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3190683

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Nitrate (as N)	mg/L	0.079	0.079	U

LABORATORY CONTROL SAMPLE: 3190684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	1	0.98	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3190685 3190686 Original: T1914298002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	0.013	1	1.0	1.1	105	106	90-110	1	10	

QC Batch: WCAt/12910 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008,

METHOD BLANK: 3190831

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

LABORATORY CONTROL SAMPLE: 3190832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	700	106	85-115	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

SAMPLE DUPLICATE: 3190833 Original: T1914151001

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

QC Batch: WCAt/12936 Analysis Method: EPA 365.4
QC Batch Method: Copper Sulfate Digestion Prepared: 08/15/2019 17:00
Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3192203

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

LABORATORY CONTROL SAMPLE: 3192205

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: 3192207 3192209 Original: T1913913003

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	0.17	1	1.1	1.2	93	98	80-120	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3192211 3192213 Original: T1914157001

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	-0.07	1	1.1	1.1	107	108	80-120	1	20	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

QC Batch: WCAt/12939 Analysis Method: SM 4500NO3-F
QC Batch Method: SM 4500NO3-F Prepared:
Associated Lab Samples: T1914151022, T1914151023, T1914151024, T1914151025, T1914151026, T1914151027, T1914151028,

METHOD BLANK: 3192252

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Nitrate (as N)	mg/L	0.079	0.079	U

LABORATORY CONTROL SAMPLE: 3192253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Nitrate (as N)	mg/L	0.05	0.079	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3192254 3192255 Original: T1914405001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate (as N)	mg/L	-0.004	1	1.0	1.0	104	105	90-110	1	10	

QC Batch: DGMt/3815 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/16/2019 10:00
Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020

METHOD BLANK: 3192269

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	mg/L	0.00029	0.00029	U
Iron	mg/L	0.026	0.026	U
Sodium	mg/L	0.17	0.17	U
Zinc	mg/L	0.0074	0.0074	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3192270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	mg/L	0.4	0.38	95	80-120	
Iron	mg/L	25	25	98	80-120	
Sodium	mg/L	50	50	98	80-120	
Zinc	mg/L	0.4	0.36	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3192271 3192272 Original: T1914151016

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	mg/L	8e-005	0.4	0.36	0.36	89	89	75-125	0	20	
Iron	mg/L	0.2	25	24	24	93	93	75-125	0	20	
Sodium	mg/L	30	50	76	76	91	91	75-125	0	20	
Zinc	mg/L	0.0004	0.4	0.34	0.34	85	86	75-125	1	20	

QC Batch: WCAg/7569 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013

METHOD BLANK: 3192390

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.65	0.65	U

LABORATORY CONTROL SAMPLE: 3192386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Organic Carbon	mg/L	10	9.7	97	90-110	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3192391 3192392 Original: M1903978001

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	13	25	36	36	91	89	90-110	1	10	

QC Batch: DGMt/3818 Analysis Method: SW-846 7470A
QC Batch Method: SW-846 7470A Prepared: 08/16/2019 09:00
Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008

METHOD BLANK: 3192708

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/L	0.000050	0.000050	U

LABORATORY CONTROL SAMPLE: 3192709

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/L	0.001	0.00095	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3192710 3192711 Original: T1914151003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/L	0	0.001	0.0011	0.00097	110	97	80-120	12	20	

QC Batch: DGMt/3820 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/19/2019 10:00
Associated Lab Samples: T1914151022, T1914151023, T1914151024, T1914151025, T1914151026, T1914151027, T1914151028,

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3193373

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Beryllium	mg/L	0.00029	0.00029	U
Iron	mg/L	0.026	0.026	U
Sodium	mg/L	0.17	0.17	U

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Zinc	mg/L	0.0074	0.0074	U

LABORATORY CONTROL SAMPLE: 3193374

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Beryllium	mg/L	0.4	0.38	95	80-120	
Iron	mg/L	25	25	97	80-120	
Sodium	mg/L	50	49	98	80-120	
Zinc	mg/L	0.4	0.38	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193375 3193376 Original: T1914369001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Beryllium	mg/L	0	0.4	0.35	0.35	88	89	75-125	1	20	
Iron	mg/L	0.099	25	23	24	92	92	75-125	1	20	
Sodium	mg/L	88	50	130	130	79	85	75-125	2	20	
Zinc	mg/L	0.01	0.4	0.34	0.35	83	85	75-125	2	20	

QC Batch: WCAt/12972 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3193633

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.029	0.029	U

LABORATORY CONTROL SAMPLE: 3193634

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: 3193635 3193636 Original: T1914014002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	-0.01	1	1.1	1.1	107	106	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193637 3193638 Original: T1914106002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	1	1	2.0	2.1	103	108	90-110	2	10	

QC Batch: WCAt/12973 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020, T1914151022, T1914151023,

METHOD BLANK: 3193656

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.029	0.029	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3193657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.53	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193658 3193659 Original: F1903116002

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	0.28	1	1.3	1.3	101	98	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193660 3193661 Original: T1914270004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	-0.04	1	0.93	0.91	93	91	90-110	2	10	

QC Batch: MICt/4025 Analysis Method: SM 9222D

QC Batch Method: SM 9222D Prepared:

Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3193923

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

METHOD BLANK: 3193930

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

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

SAMPLE DUPLICATE: 3193925 Original: T1914151011

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
Microbiology						
Coliform Fecal	#/100 mL	40	1000	200		

QC Batch: WCAt/12980 Analysis Method: SM 2540 C
QC Batch Method: SM 2540 C Prepared:
Associated Lab Samples: T1914151022, T1914151023, T1914151024, T1914151025, T1914151026, T1914151027, T1914151028,

METHOD BLANK: 3194472

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

LABORATORY CONTROL SAMPLE: 3194473

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	710	108	85-115	

SAMPLE DUPLICATE: 3194474 Original: T1914151022

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	120	110	7	10	

QC Batch: DGMj/3867 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/21/2019 03:30
Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151005, T1914151006, T1914151007, T1914151008,

METHOD BLANK: 3195169

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	mg/L	0.00071	0.00071	U
Chromium	mg/L	0.00011	0.00011	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3195169

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Cobalt	mg/L	0.00019	0.00019	U
Nickel	mg/L	0.00098	0.00098	U
Copper	mg/L	0.00035	0.00035	U
Arsenic	mg/L	0.000077	0.000077	U
Selenium	mg/L	0.00058	0.00058	U
Silver	mg/L	0.000068	0.000068	U
Cadmium	mg/L	0.000064	0.000064	U
Antimony	mg/L	0.00011	0.00011	U
Barium	mg/L	0.00024	0.00024	U
Thallium	mg/L	0.000057	0.000057	U
Lead	mg/L	0.00024	0.00024	U

LABORATORY CONTROL SAMPLE: 3195170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	mg/L	0.05	0.047	94	80-120	
Chromium	mg/L	0.05	0.049	98	80-120	
Cobalt	mg/L	0.05	0.051	102	80-120	
Nickel	mg/L	0.05	0.052	104	80-120	
Copper	mg/L	0.05	0.051	103	80-120	
Arsenic	mg/L	0.05	0.049	99	80-120	
Selenium	mg/L	0.05	0.051	101	80-120	
Silver	mg/L	0.05	0.049	99	80-120	
Cadmium	mg/L	0.05	0.048	96	80-120	
Antimony	mg/L	0.05	0.047	93	80-120	
Barium	mg/L	0.05	0.049	97	80-120	
Thallium	mg/L	0.05	0.048	96	80-120	
Lead	mg/L	0.05	0.049	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3195171 3195172 Original: T1914151005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	mg/L	0.0015	0.05	0.041	0.050	79	96	75-125	19	20	
Chromium	mg/L	0.0013	0.05	0.041	0.050	79	97	75-125	20	20	
Cobalt	mg/L	5.3e-005	0.05	0.041	0.050	81	99	75-125	20	20	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3195171 3195172 Original: T1914151005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Nickel	mg/L	0	0.05	0.041	0.049	82	99	75-125	19	20	
Copper	mg/L	6.2e-005	0.05	0.041	0.050	81	99	75-125	20	20	
Arsenic	mg/L	0.00021	0.05	0.040	0.048	80	96	75-125	18	20	
Selenium	mg/L	0.00011	0.05	0.042	0.050	84	100	75-125	17	20	
Silver	mg/L	0	0.05	0.041	0.051	83	102	75-125	21	20	
Cadmium	mg/L	3.3e-006	0.05	0.040	0.051	81	102	75-125	23	20	
Antimony	mg/L	0.00038	0.05	0.042	0.051	83	101	75-125	19	20	
Barium	mg/L	0.033	0.05	0.071	0.085	77	104	75-125	17	20	
Thallium	mg/L	2e-005	0.05	0.042	0.050	83	100	75-125	18	20	
Lead	mg/L	0.00018	0.05	0.042	0.053	85	105	75-125	22	20	

QC Batch: WCAt/13003 Analysis Method: SM 4500-Cl-E

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

Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020, T1914151022, T1914151023,

METHOD BLANK: 3195326

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

LABORATORY CONTROL SAMPLE: 3195327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	47	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3195328 3195329 Original: T1914377001

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	1.8	50	48	49	95	97	90-110	2	10	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3195330 3195331 Original: T1914151016

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	32	50	77	79	91	94	90-110	2	10	

QC Batch: WCAt/13004 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1914151026, T1914151027, T1914151028, T1914151029, T1914151031, T1914151032

METHOD BLANK: 3195332

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

LABORATORY CONTROL SAMPLE: 3195333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	51	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3195334 3195335 Original: T1914151026

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	130	50	170	180	85	96	90-110	3	10	

QC Batch: MSVt/4344 Analysis Method: SW-846 8260B (SIM)
QC Batch Method: SW-846 5030B Prepared: 08/22/2019 12:13
Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151004, T1914151005, T1914151006, T1914151007,

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3199901

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)	%	99	70-130	
Toluene-d8 (S)	%	97	70-130	
Bromofluorobenzene (S)	%	96	70-130	

LABORATORY CONTROL SAMPLE & LCSD: 3199902 3199903

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Ethylene Dibromide (EDB)	ug/L	0.8	0.84	0.85	105	106	70-130	1	30	
1,2-Dibromo-3-Chloropropane	ug/L	0.8	0.77	0.83	96	104	70-130	8	30	
1,2-Dichloroethane-d4 (S)	%				101	99	70-130	3		
Toluene-d8 (S)	%				101	102	70-130	0		
Bromofluorobenzene (S)	%				100	99	70-130	1		

MATRIX SPIKE SAMPLE: 3199904 Original: T1914151002

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Ethylene Dibromide (EDB)	ug/L	0	0.8	0.68	85	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.8	0.68	85	70-130	
1,2-Dichloroethane-d4 (S)	%	98			100	70-130	
Toluene-d8 (S)	%	98			98	70-130	
Bromofluorobenzene (S)	%	95			92	70-130	

QC Batch: MSVt/4346 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/22/2019 12:13

Associated Lab Samples: T1914151001, T1914151002, T1914151003, T1914151004, T1914151005, T1914151006, T1914151007,

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3199915

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.53	0.53	U
Vinyl Chloride	ug/L	0.20	0.20	U
Bromomethane	ug/L	0.97	0.97	U
Chloroethane	ug/L	0.38	0.38	U
Trichlorofluoromethane	ug/L	0.84	0.84	U
Acetone	ug/L	1.0	1.0	U
1,1-Dichloroethylene	ug/L	0.70	0.70	U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65	U
Acrylonitrile	ug/L	1.9	1.9	U
Methylene Chloride	ug/L	1.0	1.0	U
Carbon Disulfide	ug/L	0.49	0.49	U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50	U
1,1-Dichloroethane	ug/L	0.86	0.86	U
Vinyl Acetate	ug/L	0.40	0.40	U
2-Butanone (MEK)	ug/L	0.59	0.59	U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51	U
Bromochloromethane	ug/L	0.33	0.33	U
Chloroform	ug/L	0.31	0.31	U
1,2-Dichloroethane	ug/L	0.60	0.60	U
1,1,1-Trichloroethane	ug/L	0.44	0.44	U
Carbon Tetrachloride	ug/L	0.60	0.60	U
Benzene	ug/L	0.20	0.20	U
Dibromomethane	ug/L	0.76	0.76	U
1,2-Dichloropropane	ug/L	0.76	0.76	U
Trichloroethene	ug/L	0.60	0.60	U
Bromodichloromethane	ug/L	0.60	0.60	U
cis-1,3-Dichloropropene	ug/L	0.20	0.20	U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93	U
trans-1,3-Dichloropropylene	ug/L	0.20	0.20	U
1,1,2-Trichloroethane	ug/L	0.46	0.46	U
Toluene	ug/L	0.45	0.45	U
2-Hexanone	ug/L	0.99	0.99	U
Dibromochloromethane	ug/L	0.40	0.40	U
Tetrachloroethylene (PCE)	ug/L	0.60	0.60	U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64	U
Chlorobenzene	ug/L	0.56	0.56	U
Ethylbenzene	ug/L	0.26	0.26	U
Bromoform	ug/L	0.88	0.88	U
Styrene	ug/L	0.84	0.84	U
1,1,2,2-Tetrachloroethane	ug/L	0.20	0.20	U
1,2,3-Trichloropropane	ug/L	0.58	0.58	U
1,4-Dichlorobenzene	ug/L	0.97	0.97	U
1,2-Dichlorobenzene	ug/L	0.63	0.63	U
trans-1,4-Dichloro-2-butene	ug/L	0.39	0.39	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3199915

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	ug/L	0.56	0.56	U
1,2-Dichloroethane-d4 (S)	%	99	70-128	
Toluene-d8 (S)	%	98	77-119	
Bromofluorobenzene (S)	%	91	86-123	

LABORATORY CONTROL SAMPLE & LCSD: 3199916 3199917

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Chloromethane	ug/L	20	26	27	129	136		5		
Vinyl Chloride	ug/L	20	24	26	119	132	70-130	11	20	J3
Bromomethane	ug/L	20	22	29	111	145		27		
Chloroethane	ug/L	20	23	28	116	141		19		
Trichlorofluoromethane	ug/L	20	21	22	103	111		7		
Acetone	ug/L	20	17	20	86	100		15		
1,1-Dichloroethylene	ug/L	20	20	21	101	106	70-130	4	20	
Iodomethane (Methyl Iodide)	ug/L	20	16	20	79	99		23		
Acrylonitrile	ug/L	20	16	18	80	88		11		
Methylene Chloride	ug/L	20	27	26	137	132		3		
Carbon Disulfide	ug/L	20	21	22	104	108		4		
trans-1,2-Dichloroethylene	ug/L	20	20	21	100	103		4		
1,1-Dichloroethane	ug/L	20	19	20	93	101		7		
Vinyl Acetate	ug/L	20	19	21	94	106		12		
2-Butanone (MEK)	ug/L	20	17	19	84	94		12		
cis-1,2-Dichloroethylene	ug/L	20	18	20	91	102	70-130	12	20	
Bromochloromethane	ug/L	20	22	24	111	118		6		
Chloroform	ug/L	20	20	21	98	104	70-130	6	20	
1,2-Dichloroethane	ug/L	20	19	21	95	103		8		
1,1,1-Trichloroethane	ug/L	20	20	21	100	107		7		
Carbon Tetrachloride	ug/L	20	19	20	96	102		5		
Benzene	ug/L	20	19	20	94	102	70-130	8	20	
Dibromomethane	ug/L	20	18	20	89	99		10		
1,2-Dichloropropane	ug/L	20	19	21	93	103		11		
Trichloroethene	ug/L	20	19	21	96	103	70-130	8	20	
Bromodichloromethane	ug/L	20	19	21	93	104		11		
cis-1,3-Dichloropropene	ug/L	20	19	21	97	106		9		
4-Methyl-2-pentanone (MIBK)	ug/L	20	16	18	81	89		10		
trans-1,3-Dichloropropylene	ug/L	20	19	21	94	106		12		
1,1,2-Trichloroethane	ug/L	20	18	20	89	100		11		
Toluene	ug/L	20	19	20	97	101	70-130	4	20	
2-Hexanone	ug/L	20	16	18	81	88		9		

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE & LCSD: 3199916 3199917

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dibromochloromethane	ug/L	20	18	20	91	100		9		
Tetrachloroethylene (PCE)	ug/L	20	17	18	87	90	70-130	4	20	
1,1,1,2-Tetrachloroethane	ug/L	20	19	20	94	102		8		
Chlorobenzene	ug/L	20	19	20	96	100	70-130	4	20	
Ethylbenzene	ug/L	20	20	21	101	106	70-130	4	20	
Bromoform	ug/L	20	18	21	90	104		14		
Styrene	ug/L	20	20	22	101	109		7		
1,1,2,2-Tetrachloroethane	ug/L	20	17	19	87	95		8		
1,2,3-Trichloropropane	ug/L	20	17	20	87	98		12		
1,4-Dichlorobenzene	ug/L	20	19	20	96	101		5		
1,2-Dichlorobenzene	ug/L	20	18	20	92	98	70-130	7	20	
Xylene (Total)	ug/L	60	61	65	102	108	70-130	5	20	
1,2-Dichloroethane-d4 (S)	%				99	98	70-128	1		
Toluene-d8 (S)	%				99	100	77-119	1		
Bromofluorobenzene (S)	%				95	94	86-123	1		

MATRIX SPIKE SAMPLE: 3199918 Original: T1914151003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Chloromethane	ug/L	0	20	17	84		
Vinyl Chloride	ug/L	0	20	18	91	70-130	
Bromomethane	ug/L	0	20	14	71		
Chloroethane	ug/L	0	20	22	111		
Trichlorofluoromethane	ug/L	0	20	18	92		
Acetone	ug/L	0	20	14	71		
1,1-Dichloroethylene	ug/L	0	20	18	88	70-130	
Iodomethane (Methyl Iodide)	ug/L	0	20	10	51		
Acrylonitrile	ug/L	0	20	14	70		
Methylene Chloride	ug/L	0.18	20	17	83		
Carbon Disulfide	ug/L	0	20	18	89		
trans-1,2-Dichloroethylene	ug/L	0	20	17	85		
1,1-Dichloroethane	ug/L	0	20	16	80		
Vinyl Acetate	ug/L	0	20	14	70		
2-Butanone (MEK)	ug/L	0	20	14	68		
cis-1,2-Dichloroethylene	ug/L	0	20	16	82	70-130	
Bromochloromethane	ug/L	0	20	18	92		
Chloroform	ug/L	0	20	16	83	70-130	
1,2-Dichloroethane	ug/L	0	20	16	82		

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE SAMPLE: 3199918 Original: T1914151003

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0	20	18	90		
Carbon Tetrachloride	ug/L	0	20	17	86		
Benzene	ug/L	0	20	16	82	70-130	
Dibromomethane	ug/L	0	20	16	80		
1,2-Dichloropropane	ug/L	0	20	16	78		
Trichloroethene	ug/L	0	20	17	86	70-130	
Bromodichloromethane	ug/L	0	20	17	85		
cis-1,3-Dichloropropene	ug/L	0	20	15	77		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	15	73		
trans-1,3-Dichloropropylene	ug/L	0	20	15	75		
1,1,2-Trichloroethane	ug/L	0	20	16	81		
Toluene	ug/L	0	20	17	83	70-130	
2-Hexanone	ug/L	0	20	14	70		
Dibromochloromethane	ug/L	0	20	16	82		
Tetrachloroethylene (PCE)	ug/L	0	20	15	74	70-130	
1,1,1,2-Tetrachloroethane	ug/L	0	20	17	86		
Chlorobenzene	ug/L	0	20	17	83	70-130	
Ethylbenzene	ug/L	0	20	18	88	70-130	
Bromoform	ug/L	0	20	18	88		
Styrene	ug/L	0	20	17	84		
1,1,2,2-Tetrachloroethane	ug/L	0	20	16	78		
1,2,3-Trichloropropane	ug/L	0	20	15	74		
1,4-Dichlorobenzene	ug/L	0	20	17	85		
1,2-Dichlorobenzene	ug/L	0	20	16	81	70-130	
Xylene (Total)	ug/L	0	60	53	88	70-130	
1,2-Dichloroethane-d4 (S)	%	99			100	70-128	
Toluene-d8 (S)	%	98			98	77-119	
Bromofluorobenzene (S)	%	90			88	86-123	

QC Batch: DGMt/3870 Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A Prepared: 08/23/2019 10:00

Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015, T1914151016, T1914151017,

METHOD BLANK: 3200693

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/L	0.000050	0.000050	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3200694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/L	0.001	0.00099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3200695 3200696 Original: T1914151026

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/L	2.3e-005	0.001	0.0011	0.0010	111	104	80-120	6	20	

QC Batch: WCAt/13125 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1914151026, T1914151027, T1914151028, T1914151029

METHOD BLANK: 3201289

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.029	0.029	U

LABORATORY CONTROL SAMPLE: 3201290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.46	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201291 3201292 Original: T1914326002

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: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201291 3201292 Original: T1914326002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Ammonia (N)	mg/L	1.1	1	2.2	2.2	107	108	90-110	0	10	

QC Batch: WCAt/13126 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Prepared:
Associated Lab Samples: T1914151031, T1914151032

METHOD BLANK: 3201297

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.029	0.029	U

LABORATORY CONTROL SAMPLE: 3201298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.45	90	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201299 3201300 Original: T1914405001

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	-0.16	1	1.1	1.1	107	108	90-110	1	10	

QC Batch: DGMj/3890 Analysis Method: SW-846 6020
QC Batch Method: SW-846 3010A Prepared: 08/27/2019 04:00
Associated Lab Samples: T1914151022, T1914151023, T1914151024, T1914151025, T1914151026, T1914151027, T1914151028, T1914151029

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3201362

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	mg/L	0.00071	0.00071	U
Chromium	mg/L	0.00011	0.00011	U
Cobalt	mg/L	0.00019	0.00019	U
Nickel	mg/L	0.00098	0.00098	U
Copper	mg/L	0.00035	0.00035	U
Arsenic	mg/L	0.000077	0.000077	U
Selenium	mg/L	0.00058	0.00058	U
Silver	mg/L	0.000068	0.000068	U
Cadmium	mg/L	0.000064	0.000064	U
Antimony	mg/L	0.00011	0.00011	U
Barium	mg/L	0.00024	0.00024	U
Thallium	mg/L	0.000057	0.000057	U
Lead	mg/L	0.00024	0.00024	U

LABORATORY CONTROL SAMPLE: 3201363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	mg/L	0.05	0.049	97	80-120	
Chromium	mg/L	0.05	0.050	100	80-120	
Cobalt	mg/L	0.05	0.051	103	80-120	
Nickel	mg/L	0.05	0.052	104	80-120	
Copper	mg/L	0.05	0.052	103	80-120	
Arsenic	mg/L	0.05	0.049	98	80-120	
Selenium	mg/L	0.05	0.048	97	80-120	
Silver	mg/L	0.05	0.048	96	80-120	
Cadmium	mg/L	0.05	0.048	96	80-120	
Antimony	mg/L	0.05	0.045	91	80-120	
Barium	mg/L	0.05	0.049	98	80-120	
Thallium	mg/L	0.05	0.046	91	80-120	
Lead	mg/L	0.05	0.048	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201364 3201365 Original: J1910481033

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

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201364 3201365 Original: J1910481033

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Vanadium	mg/L	0.0045	0.05	0.045	0.045	81	81	75-125	0	20	
Chromium	mg/L	0.0013	0.05	0.042	0.042	82	81	75-125	1	20	
Cobalt	mg/L	8.3e-005	0.05	0.041	0.042	83	83	75-125	0	20	
Nickel	mg/L	0.00049	0.05	0.042	0.042	84	83	75-125	1	20	
Copper	mg/L	0.0002	0.05	0.042	0.042	84	84	75-125	0	20	
Arsenic	mg/L	0.00011	0.05	0.039	0.039	77	78	75-125	1	20	
Selenium	mg/L	0.00014	0.05	0.039	0.039	78	77	75-125	1	20	
Silver	mg/L	0	0.05	0.044	0.045	88	90	75-125	1	20	
Cadmium	mg/L	1.4e-005	0.05	0.045	0.045	89	90	75-125	1	20	
Antimony	mg/L	0.00027	0.05	0.045	0.046	90	91	75-125	2	20	
Barium	mg/L	0.073	0.05	0.12	0.12	97	96	75-125	0	20	
Thallium	mg/L	1.8e-005	0.05	0.044	0.045	89	91	75-125	2	20	
Lead	mg/L	0.00046	0.05	0.047	0.049	94	96	75-125	3	20	

QC Batch: DGMj/3891 Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A Prepared: 08/27/2019 04:00

Associated Lab Samples: T1914151031, T1914151032

METHOD BLANK: 3201372

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Vanadium	mg/L	0.00071	0.00071	U
Chromium	mg/L	0.00011	0.00011	U
Cobalt	mg/L	0.00019	0.00019	U
Nickel	mg/L	0.00098	0.00098	U
Copper	mg/L	0.00035	0.00035	U
Arsenic	mg/L	0.000077	0.000077	U
Selenium	mg/L	0.00058	0.00058	U
Silver	mg/L	0.000068	0.000068	U
Cadmium	mg/L	0.000064	0.000064	U
Antimony	mg/L	0.00011	0.00011	U
Barium	mg/L	0.00024	0.00024	U
Thallium	mg/L	0.000057	0.000057	U
Lead	mg/L	0.00024	0.00024	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3201373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Vanadium	mg/L	0.05	0.043	86	80-120	
Chromium	mg/L	0.05	0.043	85	80-120	
Cobalt	mg/L	0.05	0.043	86	80-120	
Nickel	mg/L	0.05	0.044	87	80-120	
Copper	mg/L	0.05	0.043	87	80-120	
Arsenic	mg/L	0.05	0.042	84	80-120	
Selenium	mg/L	0.05	0.046	93	80-120	
Silver	mg/L	0.05	0.047	95	80-120	
Cadmium	mg/L	0.05	0.047	95	80-120	
Antimony	mg/L	0.05	0.046	91	80-120	
Barium	mg/L	0.05	0.047	94	80-120	
Thallium	mg/L	0.05	0.046	92	80-120	
Lead	mg/L	0.05	0.048	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3201374 3201375 Original: T1914151031

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Vanadium	mg/L	0.0072	0.05	0.051	0.051	87	88	75-125	1	20	
Chromium	mg/L	0.00061	0.05	0.043	0.044	86	86	75-125	1	20	
Cobalt	mg/L	0.0021	0.05	0.045	0.046	85	87	75-125	2	20	
Nickel	mg/L	0.0052	0.05	0.048	0.049	86	88	75-125	3	20	
Copper	mg/L	0.0038	0.05	0.047	0.048	86	88	75-125	2	20	
Arsenic	mg/L	0.0031	0.05	0.045	0.046	85	86	75-125	1	20	
Selenium	mg/L	0.00036	0.05	0.045	0.046	91	91	75-125	1	20	
Silver	mg/L	4.9e-005	0.05	0.047	0.048	94	96	75-125	2	20	
Cadmium	mg/L	0.00025	0.05	0.048	0.048	95	96	75-125	1	20	
Antimony	mg/L	0.0026	0.05	0.049	0.050	93	95	75-125	2	20	
Barium	mg/L	0.0056	0.05	0.053	0.053	95	95	75-125	1	20	
Thallium	mg/L	0.00039	0.05	0.046	0.046	91	92	75-125	0	20	
Lead	mg/L	0.00026	0.05	0.048	0.049	96	98	75-125	2	20	

QC Batch: WCAg/7686 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1914151014

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3202090

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.65	0.65	U

METHOD BLANK: 3202096

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.65	0.65	U

LABORATORY CONTROL SAMPLE: 3202092

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3202093 3202094 Original: J1910589001

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	0.31	25	27	26	106	105	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3202097 3202098 Original: J1910481036

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Total Organic Carbon	mg/L	7.3	25	29	30	85	90	90-110	4	10	

QC Batch: WCAg/7708 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3203732

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

METHOD BLANK: 3203734

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

SAMPLE DUPLICATE: 3203731 Original: T1914123002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Corrected Chlorophyll A	mg/m3	6.4	6.4	0	35	

SAMPLE DUPLICATE: 3203733 Original: T1914151011

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Corrected Chlorophyll A	mg/m3	7.2	8.8	20	35	

SAMPLE DUPLICATE: 3203735 Original: J1910481034

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Corrected Chlorophyll A	mg/m3	8.0	8.0	0	35	

QC Batch: MSVm/3831 Analysis Method: SW-846 8260B (SIM)

QC Batch Method: SW-846 5030B Prepared: 08/27/2019 00:00

Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020, T1914151021, T1914151022,

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3203816

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Ethylene Dibromide (EDB)	ug/L	0.013	0.013	U
1,2-Dibromo-3-Chloropropane	ug/L	0.026	0.026	U
1,2-Dichloroethane-d4 (S)	%	113	77-125	
Toluene-d8 (S)	%	98	80-121	
Bromofluorobenzene (S)	%	104	80-129	

LABORATORY CONTROL SAMPLE & LCSD: 3203817 3203818

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Ethylene Dibromide (EDB)	ug/L	0.2	0.19	0.18	95	90	70-130	5	30	
1,2-Dibromo-3-Chloropropane	ug/L	0.2	0.16	0.20	80	100	70-130	22	30	
1,2-Dichloroethane-d4 (S)	%				106	103	77-125	3		
Toluene-d8 (S)	%				99	100	80-121	1		
Bromofluorobenzene (S)	%				106	101	80-129	5		

MATRIX SPIKE SAMPLE: 3203819 Original: T1914151017

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Ethylene Dibromide (EDB)	ug/L	0	0.2	0.18	90	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.2	0.20	100	70-130	
1,2-Dichloroethane-d4 (S)	%	111			111	77-125	
Toluene-d8 (S)	%	101			98	80-121	
Bromofluorobenzene (S)	%	107			104	80-129	

QC Batch: MSVm/3835 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 08/27/2019 00:00

Associated Lab Samples: T1914151016, T1914151017, T1914151018, T1914151019, T1914151020, T1914151021, T1914151022,

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3203824

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.42	0.42	U
Vinyl Chloride	ug/L	0.12	0.12	U
Bromomethane	ug/L	0.64	0.64	U
Chloroethane	ug/L	0.64	0.64	U
Trichlorofluoromethane	ug/L	0.40	0.40	U
Acetone	ug/L	2.0	2.0	U
1,1-Dichloroethylene	ug/L	0.47	0.47	U
Iodomethane (Methyl Iodide)	ug/L	1.2	1.2	U
Acrylonitrile	ug/L	2.6	2.6	U
Methylene Chloride	ug/L	1.0	1.0	U
Carbon Disulfide	ug/L	1.1	1.1	U
trans-1,2-Dichloroethylene	ug/L	0.59	0.59	U
1,1-Dichloroethane	ug/L	0.37	0.37	U
Vinyl Acetate	ug/L	0.85	0.85	U
2-Butanone (MEK)	ug/L	1.6	1.6	U
cis-1,2-Dichloroethylene	ug/L	0.48	0.48	U
Bromochloromethane	ug/L	0.49	0.49	U
Chloroform	ug/L	0.51	0.51	U
1,2-Dichloroethane	ug/L	0.49	0.49	U
1,1,1-Trichloroethane	ug/L	0.55	0.55	U
Carbon Tetrachloride	ug/L	0.43	0.43	U
Benzene	ug/L	0.18	0.18	U
Dibromomethane	ug/L	0.40	0.40	U
1,2-Dichloropropane	ug/L	0.57	0.57	U
Trichloroethene	ug/L	0.46	0.46	U
Bromodichloromethane	ug/L	0.42	0.42	U
cis-1,3-Dichloropropene	ug/L	0.19	0.19	U
4-Methyl-2-pentanone (MIBK)	ug/L	1.9	1.9	U
trans-1,3-Dichloropropylene	ug/L	0.15	0.15	U
1,1,2-Trichloroethane	ug/L	0.61	0.61	U
Toluene	ug/L	0.49	0.49	U
2-Hexanone	ug/L	0.78	0.78	U
Dibromochloromethane	ug/L	0.37	0.37	U
Tetrachloroethylene (PCE)	ug/L	0.48	0.48	U
1,1,1,2-Tetrachloroethane	ug/L	0.67	0.67	U
Chlorobenzene	ug/L	0.69	0.69	U
Ethylbenzene	ug/L	0.38	0.38	U
Bromoform	ug/L	0.73	0.73	U
Styrene	ug/L	0.45	0.45	U
1,1,2,2-Tetrachloroethane	ug/L	0.16	0.16	U
1,2,3-Trichloropropane	ug/L	0.59	0.59	U
1,4-Dichlorobenzene	ug/L	0.48	0.48	U
1,2-Dichlorobenzene	ug/L	0.87	0.87	U
trans-1,4-Dichloro-2-butene	ug/L	2.5	2.5	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3203824

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	ug/L	1.1	1.1	U
1,2-Dichloroethane-d4 (S)	%	99	70-128	
Toluene-d8 (S)	%	96	77-119	
Bromofluorobenzene (S)	%	105	86-123	

LABORATORY CONTROL SAMPLE & LCSD: 3203825 3203826

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Chloromethane	ug/L	20	13	17	66	86		26		
Vinyl Chloride	ug/L	20	15	16	74	82	70-130	10	20	
Bromomethane	ug/L	20	6.5	6.9	33	35		6		
Chloroethane	ug/L	20	16	18	81	92		13		
Trichlorofluoromethane	ug/L	20	15	17	77	84		8		
Acetone	ug/L	20	20	20I	101	99		3		
1,1-Dichloroethylene	ug/L	20	19	20	94	98	70-130	4	20	
Iodomethane (Methyl Iodide)	ug/L	20	1.2	1.2U	0	0		0		
Acrylonitrile	ug/L	100	3.8	4.9I	4	5		24		
Methylene Chloride	ug/L	20	17	19	87	94		8		
Carbon Disulfide	ug/L	20	12	16	59	79		30		
trans-1,2-Dichloroethylene	ug/L	20	18	20	91	100		10		
1,1-Dichloroethane	ug/L	20	19	21	93	103		11		
Vinyl Acetate	ug/L	20	17	17	83	87		4		
2-Butanone (MEK)	ug/L	20	33	35	165	175		6		
cis-1,2-Dichloroethylene	ug/L	20	18	21	92	106	70-130	14	20	
Bromochloromethane	ug/L	20	20	20	102	99		3		
Chloroform	ug/L	20	18	19	92	94	70-130	2	20	
1,2-Dichloroethane	ug/L	20	19	22	97	109		12		
1,1,1-Trichloroethane	ug/L	20	19	21	96	107		11		
Carbon Tetrachloride	ug/L	20	11	14	55	71		26		
Benzene	ug/L	20	19	21	95	103	70-130	9	20	
Dibromomethane	ug/L	20	19	20	97	100		3		
1,2-Dichloropropane	ug/L	20	17	19	87	97		11		
Trichloroethene	ug/L	20	19	21	96	103	70-130	7	20	
Bromodichloromethane	ug/L	20	17	19	86	95		9		
cis-1,3-Dichloropropene	ug/L	20	17	18	84	88		5		
4-Methyl-2-pentanone (MIBK)	ug/L	20	21	22	103	109		6		
trans-1,3-Dichloropropylene	ug/L	20	17	18	84	88		5		
1,1,2-Trichloroethane	ug/L	20	19	20	94	102		9		
Toluene	ug/L	20	18	19	91	93	70-130	2	20	
2-Hexanone	ug/L	20	22	19	111	97		14		

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE & LCSD: 3203825 3203826

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Dibromochloromethane	ug/L	20	17	17	86	84		2		
Tetrachloroethylene (PCE)	ug/L	20	19	18	94	88	70-130	7	20	
1,1,1,2-Tetrachloroethane	ug/L	20	16	17	83	83		1		
Chlorobenzene	ug/L	20	18	19	91	94	70-130	3	20	
Ethylbenzene	ug/L	20	18	19	91	94	70-130	4	20	
Bromoform	ug/L	20	17	16	85	81		5		
Styrene	ug/L	20	19	19	96	95		0		
1,1,2,2-Tetrachloroethane	ug/L	20	18	17	88	85		4		
1,2,3-Trichloropropane	ug/L	20	18	17	88	87		2		
1,4-Dichlorobenzene	ug/L	20	21	21	106	104		2		
1,2-Dichlorobenzene	ug/L	20	22	20	108	98	70-130	10	20	
Xylene (Total)	ug/L	60	56	57	94	95	70-130	1	20	
1,2-Dichloroethane-d4 (S)	%				98	102	70-128	3		
Toluene-d8 (S)	%				103	103	77-119	0		
Bromofluorobenzene (S)	%				104	98	86-123	5		

MATRIX SPIKE SAMPLE: 3203827 Original: T1914151021

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Chloromethane	ug/L	0	20	16	80		
Vinyl Chloride	ug/L	0	20	18	88	70-130	
Bromomethane	ug/L	0	20	6.9	34		
Chloroethane	ug/L	0	20	19	97		
Trichlorofluoromethane	ug/L	0	20	18	92		
Acetone	ug/L	0	20	19	93		
1,1-Dichloroethylene	ug/L	0	20	22	108	70-130	
Iodomethane (Methyl Iodide)	ug/L	0	20	1.2	0		
Acrylonitrile	ug/L	0	100	4.0	4		
Methylene Chloride	ug/L	0	20	18	91		
Carbon Disulfide	ug/L	0	20	17	85		
trans-1,2-Dichloroethylene	ug/L	0	20	21	105		
1,1-Dichloroethane	ug/L	0	20	22	108		
Vinyl Acetate	ug/L	0	20	17	85		
2-Butanone (MEK)	ug/L	0	20	20	100		
cis-1,2-Dichloroethylene	ug/L	0	20	20	102	70-130	
Bromochloromethane	ug/L	0	20	20	98		
Chloroform	ug/L	0	20	20	101	70-130	
1,2-Dichloroethane	ug/L	0	20	21	104		

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

MATRIX SPIKE SAMPLE: 3203827 Original: T1914151021

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	0	20	23	114		
Carbon Tetrachloride	ug/L	0	20	17	85		
Benzene	ug/L	0	20	21	103	70-130	
Dibromomethane	ug/L	0	20	19	97		
1,2-Dichloropropane	ug/L	0	20	20	100		
Trichloroethene	ug/L	0	20	22	108	70-130	
Bromodichloromethane	ug/L	0	20	19	96		
cis-1,3-Dichloropropene	ug/L	0	20	18	91		
4-Methyl-2-pentanone (MIBK)	ug/L	0	20	21	105		
trans-1,3-Dichloropropylene	ug/L	0	20	18	91		
1,1,2-Trichloroethane	ug/L	0	20	20	100		
Toluene	ug/L	0	20	19	95	70-130	
2-Hexanone	ug/L	0	20	19	97		
Dibromochloromethane	ug/L	0	20	16	82		
Tetrachloroethylene (PCE)	ug/L	0	20	18	92	70-130	
1,1,1,2-Tetrachloroethane	ug/L	0	20	16	81		
Chlorobenzene	ug/L	0	20	18	91	70-130	
Ethylbenzene	ug/L	0	20	19	95	70-130	
Bromoform	ug/L	0	20	16	81		
Styrene	ug/L	0	20	19	96		
1,1,2,2-Tetrachloroethane	ug/L	0	20	17	86		
1,2,3-Trichloropropane	ug/L	0	20	18	91		
1,4-Dichlorobenzene	ug/L	0	20	18	90		
1,2-Dichlorobenzene	ug/L	0	20	18	91	70-130	
Xylene (Total)	ug/L	0	60	59	98	70-130	
1,2-Dichloroethane-d4 (S)	%	101			106	70-128	
Toluene-d8 (S)	%	97			106	77-119	
Bromofluorobenzene (S)	%	104			96	86-123	

QC Batch: WCAg/7711 Analysis Method: SM 5310B

QC Batch Method: SM 5310B Prepared:

Associated Lab Samples: T1914151015

METHOD BLANK: 3203906

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.65	0.65	U

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

METHOD BLANK: 3203912

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Organic Carbon	mg/L	0.65	0.65	U

LABORATORY CONTROL SAMPLE: 3203908

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3203909 3203910 Original: J1910922002

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	5.5	25	27	29	86	92	90-110	6	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3203913 3203914 Original: G1906956002

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	14	25	36	36	89	90	90-110	0	10	

QC Batch: WCAt/13178 Analysis Method: SM 2340C
QC Batch Method: SM 2340C Prepared:
Associated Lab Samples: T1914151010, T1914151011, T1914151012, T1914151013, T1914151014, T1914151015

METHOD BLANK: 3204084

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

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

LABORATORY CONTROL SAMPLE: 3204085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Hardness (as CaCO3)	mg/L	400	400	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3204086 3204087 Original: T1914186001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Hardness (as CaCO3)	mg/L	100	200	300	320	102	108	90-110	4	10	

QC Batch: DGMt/3889 Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A Prepared: 08/28/2019 08:00

Associated Lab Samples: T1914151027, T1914151028, T1914151029, T1914151031, T1914151032

METHOD BLANK: 3204287

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/L	0.000050	0.000050	U

LABORATORY CONTROL SAMPLE: 3204288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/L	0.001	0.00093	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3204289 3204290 Original: T1914151027

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/L	0	0.001	0.0011	0.0011	113	106	80-120	6	20	

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QUALITY CONTROL DATA

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

QUALITY CONTROL DATA QUALIFIERS

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

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.
J3	Lab QC Failure
J4	Estimated Result
[1]	Workorder filtered 8/14/19 10:00
[2]	Workorder filtered 8/15/19 14:12

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151005	TH-22A			SM 4500NO3-F	WCAt/12850
T1914151006	TH-40			SM 4500NO3-F	WCAt/12850
T1914151007	TH-57			SM 4500NO3-F	WCAt/12850
T1914151008	TH-28A			SM 4500NO3-F	WCAt/12850
T1914151001	Field Blank	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151002	TH-72	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151003	TH-58	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151005	TH-22A	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151006	TH-40	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151007	TH-57	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151008	TH-28A	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151010	Equipment Blank	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151011	Stream 3A	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151012	Mine Cut 1D	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151013	Stream 3C2	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151014	3B2B	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151015	Duplicate	SW-846 3010A	DGMt/3792	SW-846 6010	ICPt/2617
T1914151001	Field Blank			SM 4500NO3-F	WCAt/12875
T1914151002	TH-72			SM 4500NO3-F	WCAt/12875
T1914151003	TH-58			SM 4500NO3-F	WCAt/12875
T1914151010	Equipment Blank			SM 4500NO3-F	WCAt/12878
T1914151011	Stream 3A			SM 4500NO3-F	WCAt/12878
T1914151012	Mine Cut 1D			SM 4500NO3-F	WCAt/12878
T1914151013	Stream 3C2			SM 4500NO3-F	WCAt/12878
T1914151014	3B2B			SM 4500NO3-F	WCAt/12878
T1914151015	Duplicate			SM 4500NO3-F	WCAt/12878
T1914151010	Equipment Blank			SM 5210B	WCAt/12881
T1914151011	Stream 3A			SM 5210B	WCAt/12881
T1914151012	Mine Cut 1D			SM 5210B	WCAt/12881

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151013	Stream 3C2			SM 5210B	WCAt/12881
T1914151014	3B2B			SM 5210B	WCAt/12881
T1914151015	Duplicate			SM 5210B	WCAt/12881
T1914151001	Field Blank			SM 4500-Cl-E	WCAt/12883
T1914151002	TH-72			SM 4500-Cl-E	WCAt/12883
T1914151003	TH-58			SM 4500-Cl-E	WCAt/12883
T1914151005	TH-22A			SM 4500-Cl-E	WCAt/12883
T1914151006	TH-40			SM 4500-Cl-E	WCAt/12883
T1914151007	TH-57			SM 4500-Cl-E	WCAt/12883
T1914151008	TH-28A			SM 4500-Cl-E	WCAt/12883
T1914151015	Duplicate			SM 2540D	WCAt/12898
T1914151010	Equipment Blank			SM 2540D	WCAt/12899
T1914151011	Stream 3A			SM 2540D	WCAt/12899
T1914151012	Mine Cut 1D			SM 2540D	WCAt/12899
T1914151013	Stream 3C2			SM 2540D	WCAt/12900
T1914151014	3B2B			SM 2540D	WCAt/12900
T1914151010	Equipment Blank			EPA 410.4	WCAt/12901
T1914151011	Stream 3A			EPA 410.4	WCAt/12901
T1914151012	Mine Cut 1D			EPA 410.4	WCAt/12901
T1914151013	Stream 3C2			EPA 410.4	WCAt/12901
T1914151014	3B2B			EPA 410.4	WCAt/12901
T1914151015	Duplicate			EPA 410.4	WCAt/12901
T1914151016	TH-78			SM 4500NO3-F	WCAt/12908
T1914151017	TH-19			SM 4500NO3-F	WCAt/12908
T1914151018	TH-36A			SM 4500NO3-F	WCAt/12908
T1914151019	TH-71A			SM 4500NO3-F	WCAt/12908
T1914151020	TH-68			SM 4500NO3-F	WCAt/12908

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151001	Field Blank			SM 2540 C	WCAt/12910
T1914151002	TH-72			SM 2540 C	WCAt/12910
T1914151003	TH-58			SM 2540 C	WCAt/12910
T1914151005	TH-22A			SM 2540 C	WCAt/12910
T1914151006	TH-40			SM 2540 C	WCAt/12910
T1914151007	TH-57			SM 2540 C	WCAt/12910
T1914151008	TH-28A			SM 2540 C	WCAt/12910
T1914151010	Equipment Blank			SM 2540 C	WCAt/12910
T1914151011	Stream 3A			SM 2540 C	WCAt/12910
T1914151012	Mine Cut 1D			SM 2540 C	WCAt/12910
T1914151013	Stream 3C2			SM 2540 C	WCAt/12910
T1914151014	3B2B			SM 2540 C	WCAt/12910
T1914151015	Duplicate			SM 2540 C	WCAt/12910
T1914151016	TH-78			SM 2540 C	WCAt/12910
T1914151017	TH-19			SM 2540 C	WCAt/12910
T1914151018	TH-36A			SM 2540 C	WCAt/12910
T1914151019	TH-71A			SM 2540 C	WCAt/12910
T1914151020	TH-68			SM 2540 C	WCAt/12910
T1914151010	Equipment Blank	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151011	Stream 3A	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151012	Mine Cut 1D	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151013	Stream 3C2	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151014	3B2B	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151015	Duplicate	Copper Sulfate Digestion	WCAt/12936	EPA 365.4	WCAt/12951
T1914151022	TH-64			SM 4500NO3-F	WCAt/12939
T1914151023	TH-61			SM 4500NO3-F	WCAt/12939
T1914151024	TH-61A			SM 4500NO3-F	WCAt/12939
T1914151025	TH-70A			SM 4500NO3-F	WCAt/12939
T1914151026	TH-69A			SM 4500NO3-F	WCAt/12939
T1914151027	TH-65			SM 4500NO3-F	WCAt/12939
T1914151028	TH-66A			SM 4500NO3-F	WCAt/12939
T1914151029	TH-66			SM 4500NO3-F	WCAt/12939

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151031	TH-67			SM 4500NO3-F	WCAt/12939
T1914151032	Duplicate			SM 4500NO3-F	WCAt/12939
T1914151016	TH-78	SW-846 3010A	DGMt/3815	SW-846 6010	ICPt/2629
T1914151017	TH-19	SW-846 3010A	DGMt/3815	SW-846 6010	ICPt/2629
T1914151018	TH-36A	SW-846 3010A	DGMt/3815	SW-846 6010	ICPt/2629
T1914151019	TH-71A	SW-846 3010A	DGMt/3815	SW-846 6010	ICPt/2629
T1914151020	TH-68	SW-846 3010A	DGMt/3815	SW-846 6010	ICPt/2629
T1914151010	Equipment Blank			SM 5310B	WCAg/7569
T1914151011	Stream 3A			SM 5310B	WCAg/7569
T1914151012	Mine Cut 1D			SM 5310B	WCAg/7569
T1914151013	Stream 3C2			SM 5310B	WCAg/7569
T1914151001	Field Blank	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151002	TH-72	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151003	TH-58	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151005	TH-22A	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151006	TH-40	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151007	TH-57	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151008	TH-28A	SW-846 7470A	DGMt/3818	SW-846 7470A	CVAt/1715
T1914151022	TH-64	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151023	TH-61	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151024	TH-61A	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151025	TH-70A	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151026	TH-69A	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151027	TH-65	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151028	TH-66A	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151029	TH-66	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151031	TH-67	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632
T1914151032	Duplicate	SW-846 3010A	DGMt/3820	SW-846 6010	ICPt/2632

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151010	Equipment Blank			DEP SOP 10/03/83	WCAt/12965
T1914151011	Stream 3A			DEP SOP 10/03/83	WCAt/12965
T1914151012	Mine Cut 1D			DEP SOP 10/03/83	WCAt/12965
T1914151013	Stream 3C2			DEP SOP 10/03/83	WCAt/12965
T1914151014	3B2B			DEP SOP 10/03/83	WCAt/12965
T1914151015	Duplicate			DEP SOP 10/03/83	WCAt/12965
T1914151001	Field Blank			EPA 350.1	WCAt/12972
T1914151002	TH-72			EPA 350.1	WCAt/12972
T1914151003	TH-58			EPA 350.1	WCAt/12972
T1914151005	TH-22A			EPA 350.1	WCAt/12972
T1914151006	TH-40			EPA 350.1	WCAt/12972
T1914151007	TH-57			EPA 350.1	WCAt/12972
T1914151008	TH-28A			EPA 350.1	WCAt/12972
T1914151016	TH-78			EPA 350.1	WCAt/12973
T1914151017	TH-19			EPA 350.1	WCAt/12973
T1914151018	TH-36A			EPA 350.1	WCAt/12973
T1914151019	TH-71A			EPA 350.1	WCAt/12973
T1914151020	TH-68			EPA 350.1	WCAt/12973
T1914151022	TH-64			EPA 350.1	WCAt/12973
T1914151023	TH-61			EPA 350.1	WCAt/12973
T1914151024	TH-61A			EPA 350.1	WCAt/12973
T1914151025	TH-70A			EPA 350.1	WCAt/12973
T1914151010	Equipment Blank			SM 9222D	MICt/4025
T1914151011	Stream 3A			SM 9222D	MICt/4025
T1914151012	Mine Cut 1D			SM 9222D	MICt/4025
T1914151013	Stream 3C2			SM 9222D	MICt/4025
T1914151014	3B2B			SM 9222D	MICt/4025
T1914151015	Duplicate			SM 9222D	MICt/4025
T1914151022	TH-64			SM 2540 C	WCAt/12980

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151023	TH-61			SM 2540 C	WCAt/12980
T1914151024	TH-61A			SM 2540 C	WCAt/12980
T1914151025	TH-70A			SM 2540 C	WCAt/12980
T1914151026	TH-69A			SM 2540 C	WCAt/12980
T1914151027	TH-65			SM 2540 C	WCAt/12980
T1914151028	TH-66A			SM 2540 C	WCAt/12980
T1914151029	TH-66			SM 2540 C	WCAt/12980
T1914151031	TH-67			SM 2540 C	WCAt/12980
T1914151032	Duplicate			SM 2540 C	WCAt/12980
T1914151001	Field Blank	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151002	TH-72	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151003	TH-58	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151005	TH-22A	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151006	TH-40	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151007	TH-57	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151008	TH-28A	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151010	Equipment Blank	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151011	Stream 3A	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151012	Mine Cut 1D	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151013	Stream 3C2	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151014	3B2B	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151015	Duplicate	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151016	TH-78	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151017	TH-19	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151018	TH-36A	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151019	TH-71A	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151020	TH-68	SW-846 3010A	DGMj/3867	SW-846 6020	ICMj/2033
T1914151016	TH-78			SM 4500-Cl-E	WCAt/13003
T1914151017	TH-19			SM 4500-Cl-E	WCAt/13003
T1914151018	TH-36A			SM 4500-Cl-E	WCAt/13003
T1914151019	TH-71A			SM 4500-Cl-E	WCAt/13003
T1914151020	TH-68			SM 4500-Cl-E	WCAt/13003

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151022	TH-64			SM 4500-Cl-E	WCAt/13003
T1914151023	TH-61			SM 4500-Cl-E	WCAt/13003
T1914151024	TH-61A			SM 4500-Cl-E	WCAt/13003
T1914151025	TH-70A			SM 4500-Cl-E	WCAt/13003
T1914151026	TH-69A			SM 4500-Cl-E	WCAt/13004
T1914151027	TH-65			SM 4500-Cl-E	WCAt/13004
T1914151028	TH-66A			SM 4500-Cl-E	WCAt/13004
T1914151029	TH-66			SM 4500-Cl-E	WCAt/13004
T1914151031	TH-67			SM 4500-Cl-E	WCAt/13004
T1914151032	Duplicate			SM 4500-Cl-E	WCAt/13004
T1914151001	Field Blank	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151002	TH-72	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151003	TH-58	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151004	Trip Blank	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151005	TH-22A	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151006	TH-40	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151007	TH-57	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151008	TH-28A	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151009	Trip Blank	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151010	Equipment Blank	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151011	Stream 3A	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151012	Mine Cut 1D	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151013	Stream 3C2	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151014	3B2B	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151015	Duplicate	SW-846 5030B	MSVt/4344	SW-846 8260B (SIM)	MSVt/4345
T1914151001	Field Blank	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151002	TH-72	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151003	TH-58	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151004	Trip Blank	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151005	TH-22A	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151006	TH-40	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151007	TH-57	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151008	TH-28A	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151009	Trip Blank	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151010	Equipment Blank	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151011	Stream 3A	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151012	Mine Cut 1D	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151013	Stream 3C2	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151014	3B2B	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151015	Duplicate	SW-846 5030B	MSVt/4346	SW-846 8260B	MSVt/4347
T1914151010	Equipment Blank	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151011	Stream 3A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151012	Mine Cut 1D	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151013	Stream 3C2	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151014	3B2B	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151015	Duplicate	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151016	TH-78	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151017	TH-19	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151018	TH-36A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151019	TH-71A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151020	TH-68	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151022	TH-64	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151023	TH-61	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151024	TH-61A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151025	TH-70A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151026	TH-69A	SW-846 7470A	DGMt/3870	SW-846 7470A	CVAt/1728
T1914151026	TH-69A			EPA 350.1	WCAt/13125
T1914151027	TH-65			EPA 350.1	WCAt/13125
T1914151028	TH-66A			EPA 350.1	WCAt/13125
T1914151029	TH-66			EPA 350.1	WCAt/13125
T1914151031	TH-67			EPA 350.1	WCAt/13126
T1914151032	Duplicate			EPA 350.1	WCAt/13126

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151022	TH-64	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151023	TH-61	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151024	TH-61A	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151025	TH-70A	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151026	TH-69A	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151027	TH-65	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151028	TH-66A	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151029	TH-66	SW-846 3010A	DGMj/3890	SW-846 6020	ICMj/2043
T1914151031	TH-67	SW-846 3010A	DGMj/3891	SW-846 6020	ICMj/2044
T1914151032	Duplicate	SW-846 3010A	DGMj/3891	SW-846 6020	ICMj/2044
T1914151014	3B2B			SM 5310B	WCAg/7686
T1914151010	Equipment Blank			SM 10200 H	WCAg/7708
T1914151011	Stream 3A			SM 10200 H	WCAg/7708
T1914151012	Mine Cut 1D			SM 10200 H	WCAg/7708
T1914151013	Stream 3C2			SM 10200 H	WCAg/7708
T1914151014	3B2B			SM 10200 H	WCAg/7708
T1914151015	Duplicate			SM 10200 H	WCAg/7708
T1914151016	TH-78	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151017	TH-19	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151018	TH-36A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151019	TH-71A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151020	TH-68	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151021	Trip Blank	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151022	TH-64	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151023	TH-61	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151024	TH-61A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151025	TH-70A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151026	TH-69A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151027	TH-65	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151028	TH-66A	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151029	TH-66	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151030	Trip Blank	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151031	TH-67	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151032	Duplicate	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151033	Trip Blank	SW-846 5030B	MSVm/3831	SW-846 8260B (SIM)	MSVm/3832
T1914151016	TH-78	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151017	TH-19	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151018	TH-36A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151019	TH-71A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151020	TH-68	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151021	Trip Blank	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151022	TH-64	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151023	TH-61	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151024	TH-61A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151025	TH-70A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151026	TH-69A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151027	TH-65	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151028	TH-66A	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151029	TH-66	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151030	Trip Blank	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151031	TH-67	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151032	Duplicate	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151033	Trip Blank	SW-846 5030B	MSVm/3835	SW-846 8260B	MSVm/3836
T1914151015	Duplicate			SM 5310B	WCAg/7711
T1914151010	Equipment Blank			SM 2340C	WCAt/13178
T1914151011	Stream 3A			SM 2340C	WCAt/13178
T1914151012	Mine Cut 1D			SM 2340C	WCAt/13178
T1914151013	Stream 3C2			SM 2340C	WCAt/13178
T1914151014	3B2B			SM 2340C	WCAt/13178

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151015	Duplicate			SM 2340C	WCAt/13178
T1914151027	TH-65	SW-846 7470A	DGMt/3889	SW-846 7470A	CVAt/1732
T1914151028	TH-66A	SW-846 7470A	DGMt/3889	SW-846 7470A	CVAt/1732
T1914151029	TH-66	SW-846 7470A	DGMt/3889	SW-846 7470A	CVAt/1732
T1914151031	TH-67	SW-846 7470A	DGMt/3889	SW-846 7470A	CVAt/1732
T1914151032	Duplicate	SW-846 7470A	DGMt/3889	SW-846 7470A	CVAt/1732
T1914151002	TH-72	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151003	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151005	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151006	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151007	TH-57	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151008	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151010	Equipment Blank	Calculation	CLCt/	Calculation	CLCt/
T1914151011	Stream 3A	Calculation	CLCt/	Calculation	CLCt/
T1914151011	Stream 3A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151012	Mine Cut 1D	Calculation	CLCt/	Calculation	CLCt/
T1914151012	Mine Cut 1D	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151013	Stream 3C2	Calculation	CLCt/	Calculation	CLCt/
T1914151013	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151014	3B2B	Calculation	CLCt/	Calculation	CLCt/
T1914151014	3B2B	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151015	Duplicate	Calculation	CLCt/	Calculation	CLCt/
T1914151016	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151017	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151018	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151019	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151020	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151022	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151023	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151024	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151025	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151026	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1914151 SELF Semi-Annual SE CntyLndfil

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1914151027	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151028	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151029	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/
T1914151031	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/

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☐ **Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • F
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.2
☐ **Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

* T 1914151 *

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	Field Blank	G	8/13/19	11:20	DI	8			X	X	X	X	X	X					001
	TH-72	G	8/13/19	12:04	GW	8			X	X	X	X	X	X					002
	TH-58	G	8/13/19	12:36	GW	8			X	X	X	X	X	X					003
	Trip Blank	-	8/13/19	—	—	—			X										004

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 2.3 (in degrees celcius)

Form revised 09/19/2012 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/13/19	14:59		8/13/19	1500
2						
3						
4						

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

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

T1914151

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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

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

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS	LABORATORY I.D. NUMBER
	TH-22A	G	8/12/19	10:22	GW	8		X	X	X	X	X	X	~~04~~ 01
	TH-40	G	8/12/19	11:20	GW	8		X	X	X	X	X	X	~~01~~ 02
	TH-57	G	8/12/19	11:57	GW	8		X	X	X	X	X	X	~~03~~ 03
	TH-28A	G	8/12/19	12:38	GW	8		X	X	X	X	X	X	~~04~~ 04
	Trip Blank	—	8/12/19	—	—	1		X						~~05~~ 05

Matrix Code: **WW** = wastewater **SW** = surface water **GW** = ground water **DW** = drinking water **O** = oil **A** = air **SO** = soil **SL** = sludge
Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice: ☐ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank
☑ Where required, pH checked
Temperature when received: 3.2 (in degrees celcius)
Form revised 09/19/2012
Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

	Relinquished by	Date	Time	Received by	Date	Time
1		8/12/19	16:12		8/12/19	1612
2						
3						
4						

FOR DRINKING WATER USE (When PWS Information not otherwise supplied)
PWS ID:
Contact Person: Phone:
Supplier of Water:
Site-Address:

☐ **Jacksonville:** 6661 Southpoint Pkwy Jacksonville, FL 32216 • 904.296.3200 •
☐ **Miramar:** 10200 USA Today Way Miramar, FL 33025 • 954.889.2288 •
☐ **Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850
☐ **Tampa:** 9610 Princess Palm Ave • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Unionized Ammonia	Total Hardness as CaCO3	BOD-5	Fe, Hg	Nitrate	TDS, TSS	TOC	Fecal Coliform	Total Phosphorous	LABORATORY I.D. NUMBER
	Equipment Blank	G	8/13/19	9:15	DI				X	X	X	X	X	X	X	X	X	X	810
	Stream 3A	G	8/13/19	9:32	SW				X	X	X	X	X	X	X	X	X	X	811
	Mine Cut 1D	G	8/13/19	9:58	SW				X	X	X	X	X	X	X	X	X	X	812
	Stream 3C2	G	8/13/19	13:25	SW				X	X	X	X	X	X	X	X	X	X	813
	3B2B	G	8/13/19	13:50	SW				X	X	X	X	X	X	X	X	X	X	814
	Duplicate	G	8/13/19	—	SW				X	X	X	X	X	X	X	X	X	X	815

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

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

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

Temperature when received 2.4 (in degrees celcius)

Form revised 09/19/2012

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

	Relinquished by	Date	Time	Received by	Date	Time
1	[signature]	8/13/19	14:59	[signature]	8/13/19	1502
2						
3						
4						

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

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

1141 143

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

Client Name:	Hills. Co. Public Utilities
Address:	332 North Falkenburg Rd.
	Tampa, Florida 33619
Phone:	(813) 663-3222
FAX:	(813) 274-6801
Contact:	Michael Townsel
Sampled By:	T. Aguilar M. Morales
Turn Around Time:	☑ STANDARD ☐ RUSH
Page:	2 of: 2

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	Chlorophyll A	Nitrogen	COD								LABORATORY I.D. NUMBER
							BOTTLE SIZE & TYPE											
							ANALYSIS REQUIRED											
	Equipment Blank	G	8/13/19	9:15	DI			X	X	X								001
	Stream 3A	G	8/13/19	9:32	SW			X	X	X								002
	Mine Cut 1D	G	8/13/19	9:58	SW			X	X	X								003
	Stream CC2	G	8/13/19	13:25	SW			↓	↓	↓								004
	3B2B	G	8/13/19	13:50	SW													005
	Duplicate	G	8/13/19	—	SW													006

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 2.4 (in degrees celcius)

Form revised 09/19/2012

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/13/19	14:59		8/13/19	1450
2						
3						
4						

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

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

1178 4151 Cont'd

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

Client Name:	Hills. Co. Public Utilities
Address:	332 North Falkenburg Rd.
	Tampa, Florida 33619
Phone:	(813) 663-3222
FAX:	(813) 274-6801
Contact:	Michael Townsel
Sampled By:	T. Aguilar M. Morales
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
	TH-78	G	8/14/19	11:11	GW	8			X	X	X	X	X	X					016
	TH-19	G	8/14/19	11:59	GW	8			X	X	X	X	X	X					017
	TH-36A	G	8/14/19	12:27	GW	8			X	X	X	X	X	X					018
	TH-71A	G	8/14/19	13:03	GW	8			X	X	X	X	X	X					019
	TH-68	G	8/14/19	15:25	GW	8			X	X	X	X	X	X					020
	Trip Blank	—	8/14/19	—	—	1			X										021

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

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

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

Form revised 09/19/2012

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

	Relinquished by	Date	Time	Received by:	Date	Time
1		8/14/19	16:35		8/14/19	1635
2						
3						
4						

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

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

T/9/4151 Contd

Advanced Environmental Laboratories, Inc.

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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

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

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS	LABORATORY I.D. NUMBER
	TH-64	G	8/15/19	9:16	GW	8		X	X	X	X	X	X	022
	TH-61	G	8/15/19	9:48	GW	8		X	X	X	X	X	X	023
	TH-61A	G	8/15/19	10:14	GW	8		X	X	X	X	X	X	024
	TH-70A	G	8/15/19	11:01	GW	8		X	X	X	X	X	X	025
	TH-69A	G	8/15/19	11:48	GW	8		X	X	X	X	X	X	026
	TH-65	G	8/15/19	12:24	GW	8		X	X	X	X	X	X	027
	TH-66A	G	8/15/19	13:30	GW	8		X	X	X	X	X	X	028
	TH-66	G	8/15/19	14:04	GW	8		X	X	X	X	X	X	029
	Trip Blank	—	8/15/19	—	—	1		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 5.2 (in degrees celcius)

Form revised 09/19/2012

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/15/19	15:07	[signature]	8/15/19	15:07
2						
3						
4						

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

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

T 19141S1 Cont

Advanced Environmental Laboratories, Inc.

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

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

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: 40 CFR Part 258 Appendix I	Fe, Hg, Na	Total Ammonia-N	Nitrate	Chloride	TDS					LABORATORY I.D. NUMBER
	TH-67	G	8/16/19	9:35	GW	8		X	X	X	X	X	X				031	01
	Duplicate	G	8/16/19	—	GW	8		X	X	X	X	X	X				032	02
	Trip Blank	—	8/16/19	—	—	1		X									033	03

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

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

Received on Ice: ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked Temperature when received 3.1 (in degrees celcius)

Form revised 09/19/2012

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		8/16/19	11:12		8/16/19	11:15
2						
3						
4						

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

PWS ID: _____

Contact Person: _____ Phone: _____

Supplier of Water: _____

Site-Address: _____

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-72	SAMPLE ID: TH-72	DATE: 8/13/19

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): 85.43	PURGE PUMP TYPE OR BAILER: BP

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

= (190 feet − 85.43 feet) X 0.16 gallons/foot = 16.73 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): 189	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 189	PURGING INITIATED AT: 10:55	PURGING ENDED AT: 12:04	TOTAL VOLUME PURGED (gallons): 17.94

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:00	16.9	16.9	0.26	85.44	6.67	24.2	1535	0.15	4.49	Clear	None
12:02	0.52	17.42	0.26	85.44	6.67	24.2	1531	0.15	2.89	Clear	None
12:04	0.52	17.94	0.26	85.44	6.67	24.2	1547	0.14	0.82	Clear	None

8/13/19 OB

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 12:04	SAMPLING ENDED AT: 12:09
PUMP OR TUBING DEPTH IN WELL (feet): 189	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 12:00 (-74.1), 12:02 (-74.5), 12:04 (-75.9)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-58	SAMPLE ID: TH-58	DATE: 6/13/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/2	22.92 ft to 32.92 ft	26.92	BP

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

= (32.92 feet − 26.92 feet) X 0.16 gallons/foot = 0.96 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
31.92	31.92	12:24	12:36	1.92

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:30	0.96	0.96	0.16	27.07	5.90	26.9	377.4	0.94	2.92	Clear	None
12:32	0.32	1.28	0.16	27.07	5.88	26.9	361.9	0.59	1.60	Clear	None
12:34	0.32	1.6	0.16	27.07	5.87	26.9	353.5	0.58	1.18	Clear	None
12:36	0.32	1.92	0.16	27.07	5.87	26.9	349.4	0.56	1.63	Clear	None

6/13/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar, M. Morales		12:36	12:41

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
31.92	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 12:30 (65.2), 12:32 (58.6), 12:34 (55.9), 12:36 (53.9)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-22A	SAMPLE ID: TH-22A	DATE: 8/12/19

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): 4.29	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)

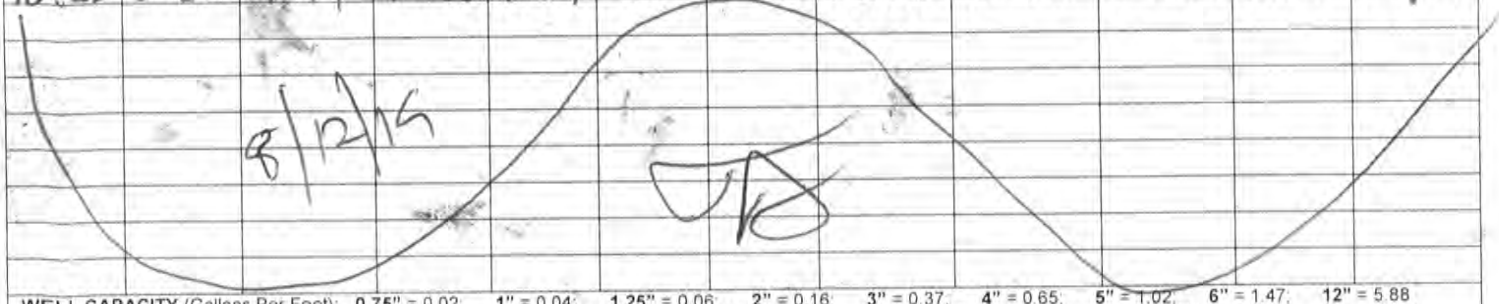
= (27.90 feet − 4.29 feet) X 0.16 gallons/foot = 3.78 gallons

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: 10:03	PURGING ENDED AT: 10:22	TOTAL VOLUME PURGED (gallons): 4.94

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:18	3.9	3.9	0.26	4.59	4.77	25.0	161.6	0.14	4.64	Clear	Sulphur
10:20	0.52	4.42	0.26	4.59	4.77	25.0	161.5	0.13	4.82	Clear	Sulphur
10:22	0.52	4.94	0.26	4.59	4.77	25.0	161.6	0.12	5.90	Clear	Sulphur



WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar, M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:22	SAMPLING ENDED AT: 10:27
PUMP OR TUBING DEPTH IN WELL (feet): 26.90	TUBING MATERIAL CODE: T	FIELD-FILTERED Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 10:18 (26.7), 10:20 (23.4), 10:22 (20.8)

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 | DATE: 8/12/19

WELL NO: TH-40 | SAMPLE ID: TH-40

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	155.9 ft to 165.9 ft	83.38	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 − 83.38 feet) X 0.16 gallons/foot = 13.2 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
164.9	164.9	10:57	11:20	16.56

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 (S/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:16	13.68	13.68	0.72	83.38	7.58	23.6	361.5	0.15	0.55	Clear	None
11:18	1.44	15.12	0.72	83.38	7.60	23.7	361.9	0.13	0.44	Clear	None
11:20	1.44	16.56	0.72	83.38	7.61	23.7	362.8	0.26	0.57	Clear	None

8/12/19

WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.) 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 11:20 | SAMPLING ENDED AT: 11:25

PUMP OR TUBING DEPTH IN WELL (feet): 164.9 | TUBING MATERIAL CODE: T | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION

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

REMARKS: SEE COC FOR ANALYSIS ▲ ORP: 11:16 (-83.2), 11:18 (-93.2), 11:20 (-93.8)

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-57	SAMPLE ID: TH-57	DATE: 6/12/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 16.83 ft to 26.83 ft	STATIC DEPTH TO WATER (feet): 18.01	PURGE PUMP TYPE OR BAILER: BP

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

= (26.83 feet − 18.01 feet) X 0.16 gallons/foot = 1.41 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: 11:46	PURGING ENDED AT: 11:57	TOTAL VOLUME PURGED (gallons): 2.31

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:53	1.47	1.47	0.21	18.04	5.38	28.5	368.8	0.99	1.29	Clear	None
11:55	0.42	1.89	0.21	18.14	5.38	28.4	363.9	0.43	0.96	Clear	None
11:57	0.42	2.31	0.21	18.17	5.37	28.4	361.6	0.64	0.88	Clear	None

6/12/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:57	SAMPLING ENDED AT: 12:02
PUMP OR TUBING DEPTH IN WELL (feet): 25.83	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 11:53 (-82.6), 11:55 (-82.7), 11:57 (-93.4)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-28A	SAMPLE ID: TH-28A	DATE: 6/12/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/2	24.3 ft to 34.3 ft	27.06	BP

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

= (34.3 feet − 27.06 feet) X 0.16 gallons/foot = 1.15 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
33.3	33.3	12:22	12:38	1.6

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:34	1.2	1.2	0.1	27.21	5.26	28.4	306.0	0.36	2.64	Clear	None
12:36	0.2	1.4	0.1	27.21	5.25	28.4	303.4	0.35	2.38	Clear	None
12:38	0.2	1.6	0.1	27.21	5.24	28.4	301.5	0.33	2.24	Clear	None

6/12/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
I. Aguilar M. Morales		12:38	12:43

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
33.3	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE Y (N)

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

REMARKS: SEE COC FOR ANALYSIS ORP: 12:34 (-38.6) 12:36 (-42.5) 12:38 (-45.6)

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 3A	SAMPLE ID: Stream 3A	DATE: 8/13/19

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)
9:32	—	—	—	2.10	6.39	27.2	276.2	0.07	2.50	Clear	None

8/13/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: I. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 9:32	SAMPLING ENDED AT: 9:40
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 9:32 (-58.4)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: Mine-Cut 1D	SAMPLE ID: Mine-Cut 1D	DATE: 6/13/19

PURGING DATA

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

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

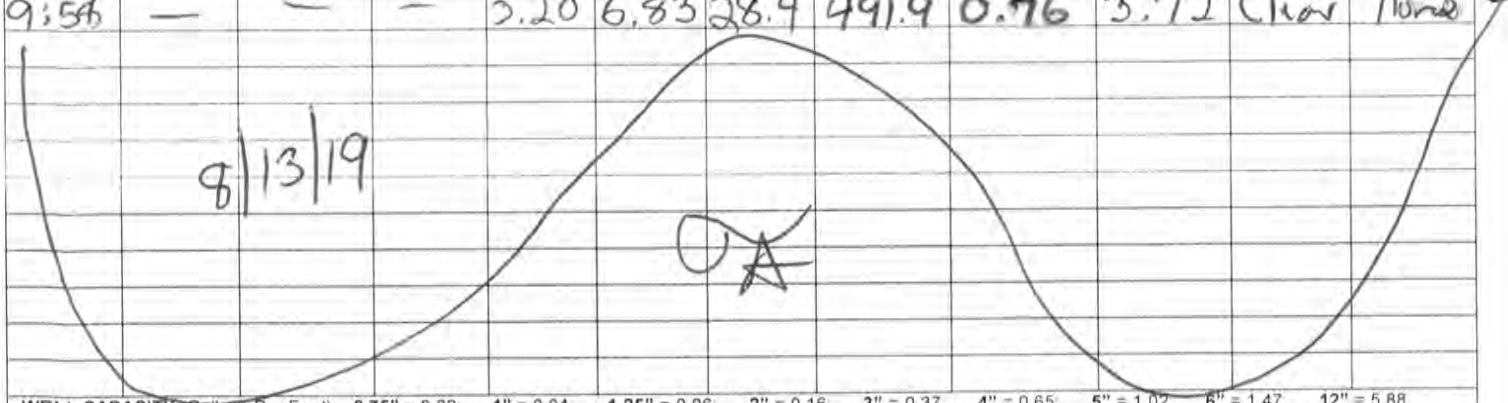
= (N/A feet − N/A feet) X N/A gallons/foot = N/A gallons

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

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:54	—	—	—	3.20	6.83	28.4	491.9	0.76	3.72	Clear	None



WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Hayles M. Morales		9:58	10:05

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
N/A	N/A		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 9:58 (522)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Stream 3C2	SAMPLE ID: Stream 3C2	DATE: 8/13/19

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:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:25	—	—	—	2.18	~~27.7~~ 6.58 OR 8/13/19	27.7	285.6	2.67	5.15	Clear	None

8/13/19

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. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:25	SAMPLING ENDED AT: 13:32
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

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

REMARKS: SEE COC FOR ANALYSIS ORP: 13.25 (69.0)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: Equipment Blank	SAMPLE ID: Equipment Blank	DATE: 8/13/19

PURGING DATA

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

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

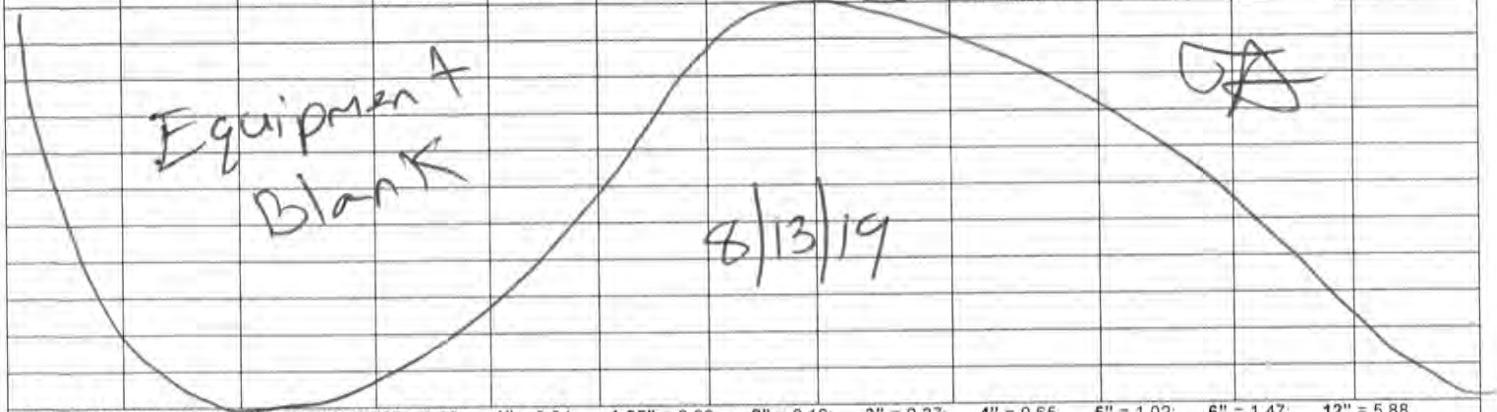
= (N/A feet − N/A feet) X N/A gallons/foot = N/A gallons

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

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		9:15	9:20

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE ____ µm
N/A	N/A		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP: N/A**

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: 3B2B	SAMPLE ID: 3B2B	DATE: 8/13/19

PURGING DATA

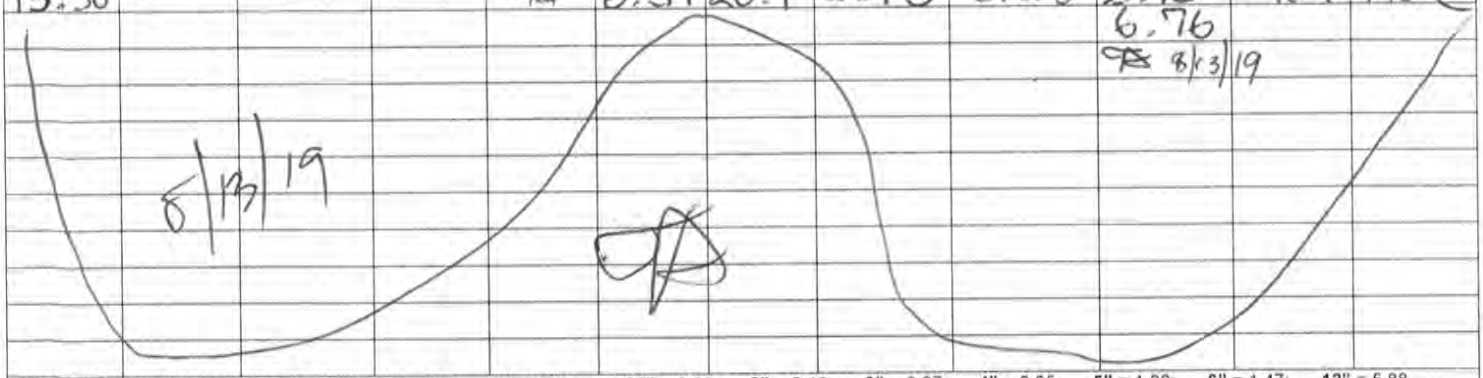
WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
N/A	N/A	N/A ft to N/A ft	N/A	

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

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

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

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:50	—	—	—	N/A	6.39	26.1	231.0	3.26	~~5.15~~ 6.76 ~~8/13~~ 8/13/19	Clear	None



WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		13:50	13:57

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 13:50 (822)

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Duplicate	SAMPLE ID: Duplicate	DATE: 8/13/19

PURGING DATA

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

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

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

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

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

Duplicate

8/13/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: —	SAMPLING ENDED AT: —
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP: N/A**

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO.: TH-78	SAMPLE ID: TH-78	DATE: 8/14/19

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): 69.96	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 − 69.96 feet) X 0.16 gallons/foot = 17.31 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: 10:20	PURGING ENDED AT: 11:11	TOTAL VOLUME PURGED (gallons): 18.87

TIME (2400H)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:08	17.39	17.39	0.37	69.98	8.28	23.4	520	0.10	1.01	Clear	None
11:09	0.74	18.13	0.37	69.98	8.23	23.4	522	0.10	1.65	Clear	None
11:11	0.74	18.87	0.37	69.98	8.24	23.4	522	0.09	2.28	Clear	None

8/14/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:11	SAMPLING ENDED AT: 11:16
PUMP OR TUBING DEPTH IN WELL (feet): 177.14	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 11:08 (-220.7), 11:09 (-221.2), 11:11 (-222.3)

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-19	SAMPLE ID: TH-19	DATE: 6/14/19

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): 88.66	PURGE PUMP TYPE OR BAILER: BP

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

= (153.6 feet − 88.66 feet) X 0.16 gallons/foot = 10.39 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): 152.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 152.6	PURGING INITIATED AT: 11:40	PURGING ENDED AT: 11:59	TOTAL VOLUME PURGED (gallons): 13.68

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:55	10.8	10.8	0.72	88.81	7.40	23.5	410.9	0.13	1.11	Clear	None
11:57	1.44	12.24	0.72	88.81	7.40	23.5	411.5	0.14	0.67	Clear	None
11:59	1.44	13.68	0.72	88.81	7.40	23.5	411.0	0.11	0.87	Clear	None

6/14/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:54	SAMPLING ENDED AT: 12.04
PUMP OR TUBING DEPTH IN WELL (feet): 152.6	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 11:55 (-69.1), 11:57 (-73.0), 11:59 (-75.5)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO. TH-36A	SAMPLE ID: TH-36A	DATE: 8/14/19

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	28.7 ft to 38.7 ft	31.51	BP

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

= (38.7 feet − 31.51 feet) X 0.16 gallons/foot = 1.15 gallons

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

= N/A gallons + (N/A gallons/foot X ~~31.51~~ N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
37.7	37.7	12:17	12:27	2.32

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:23	1.16	1.16	0.29	31.72	5.77	25.3	201.6	1.03	11.3	Clear	None
12:25	0.58	1.74	0.29	31.72	5.73	25.3	205.5	0.57	6.79	Clear	None
12:27	0.58	2.32	0.29	31.72	5.74	25.3	210.2	0.51	4.48	Clear	None

8/14/19

WELL CAPACITY (Gallons Per Foot) 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		12:27	12:32

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
37.7	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: SEE COC FOR ANALYSIS ORP: 12:23 (119.0), 12:25 (132.3), 12:27 (135.5)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO.: TH-71A	SAMPLE ID: TH-71A	DATE: 8/14/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.5	WELL SCREEN INTERVAL DEPTH: 22.78 ft to 37.78 ft	STATIC DEPTH TO WATER (feet): 23.31	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)

= (37.78 feet − 23.31 feet) X 0.16 gallons/foot = 2.32 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): 36.78	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.78	PURGING INITIATED AT: 12:47	PURGING ENDED AT: 13:03	TOTAL VOLUME PURGED (gallons): 7.36

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:53	2.76	2.76	0.46	23.22	6.17	25.0	1471	0.33	23.4	~~23.4~~ Clear	None
12:59	2.76	5.52	0.46	23.22	6.16	24.9	1475	0.09	9.02	Clear	None
13:01	0.92	6.44	0.46	23.22	6.17	24.9	1478	0.25	12.9	Clear	None
13:03	0.92	7.36	0.46	23.22	6.16	24.9	1476	0.13	6.51	Clear	None

8/14/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguila M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 13:03	SAMPLING ENDED AT: 13:08
PUMP OR TUBING DEPTH IN WELL (feet): 36.78	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 12:53 (-33.9), 12:59 (-39.5), 13:01 (-40.1), 13:03 (-40.4)

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	SITE LOCATION	DATE
Southeast County Landfill	Lithia, Florida	6/14/19
WELL NO: TH-68	SAMPLE ID: TH-68	

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	12.2 ft to 22.2 ft	11.42	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 – 11.42 feet) X 0.16 gallons/foot = 1.72 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 OB

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
21.2	21.2	13:43	15:25	9.32

	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)
1	14:05	1.76	1.76	0.08	15.63	5.68	28.5	200.4	0.45	25.8	Clear	None
	14:16	0.88	2.64	0.08	16.20	5.66	28.4	204.9	0.68	32.0	Clear	none
2	14:27	0.88	3.52	0.08	16.14	5.72	28.5	196.1	1.46	36.7	Clear	None
3	14:45	1.8	5.32	0.1	16.00	5.69	28.1	194.1	1.20	44.6	Clear	None
4	15:03	1.8	7.12	0.1	15.92	5.66	28.2	194.3	1.10	27.5	Clear	None
5	15:21	1.8	8.92	0.1	15.85	5.63	28.4	194.6	0.54	20.4	Clear	None
	15:23	0.2	~~8.94~~	0.1	15.85	5.63	28.4	194.9	0.61	20.3	Clear	None
	15:25	0.2	~~8.96~~ 9.12	0.1	15.85	5.63	28.4	194.9	0.65	19.7	Clear	None
			9.32									
			6/14/19									

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		15:25	15:30

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE: ____ µm
21.2	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
							ORP: 15:03	(-17.4)	
							15:21	(-25.2)	
							15:23	(-25.2)	
							15:25	(-24.4)	

REMARKS: SEE COC FOR ANALYSIS ORP: 14:05 (5.7), 14:16 (-6.4), 14:27 (-3.2), 14:45 (-10.2)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-64	SAMPLE ID: TH-64	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/2	9.20 ft to 19.20 ft	14.90	BP

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

= (19.20 feet – 14.90 feet) X 0.16 gallons/foot = 0.69 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
18.2	18.2	9:08	9:16	1.68

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:12	0.84	0.84	0.21	15.13	5.48	26.9	179.2	0.70	19.5	Clear	None
9:14	0.42	1.26	0.21	15.13	5.46	26.9	178.4	0.37	15.4	Clear	None
9:16	0.42	1.68	0.21	15.13	5.45	26.9	178.9	0.27	14.6	Clear	None

8/15/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar M. Morales		9:16	9:21

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
18.2	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 9:12 (161.7), 9:14 (159.6), 9:16 (157.7)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-61	SAMPLE ID: TH-61	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	15.9 ft to 25.9 ft	15.62	BP

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

= (25.9 feet − 15.62 feet) X 0.16 gallons/foot = 1.65 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
24.9	24.9	9:38	9:48	2.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:44	1.74	1.74	0.29	16.30	5.80	25.6	231.5	0.35	3.36	Clear	None
9:46	0.58	2.32	0.29	16.30	5.79	25.6	229.5	0.23	1.79	Clear	None
9:48	0.58	2.90	0.29	16.30	5.78	25.7	228.5	0.18	1.76	Clear	None

8/15/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		9:48	9:53

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE: ____ µm
24.9	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 9:44 (165.9), 9:46 (164.2), 9:48 (165.6)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-61A	SAMPLE ID: TH-61A	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/2	13.18 ft to 23.18 ft	13.49	BP

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

= (23.18 feet − 13.49 feet) X 0.16 gallons/foot = 1.55 gallons

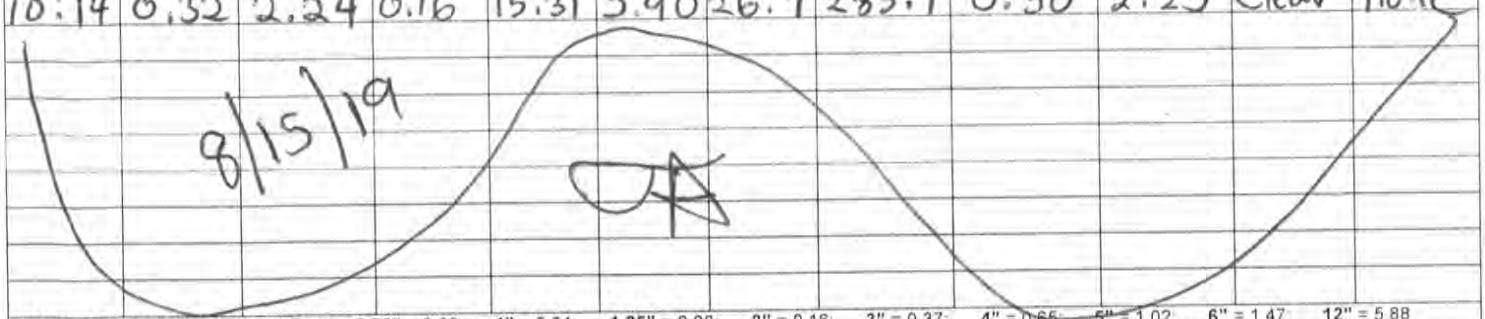
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
22.18	22.18	10:00	10:14	2.24

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)
10:10	1.6	1.6	0.16	15.31	5.89	26.8	291.5	0.78	4.67	Clear	None
10:12	0.32	1.92	0.16	15.31	5.90	26.8	288.7	0.62	3.40	Clear	None
10:14	0.32	2.24	0.16	15.31	5.90	26.7	285.1	0.50	2.23	Clear	None

8/15/19



WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar M. Morales		10:14	10:19

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
22.18	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ▲ **ORP:** 10:10 (104.5), 10:12 (106.4), 10:14 (107.1)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-70A	SAMPLE ID: TH-70A	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	21.58 ft to 36.58 ft	26.59	BP

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

= (36.58 feet − 26.59 feet) X 0.16 gallons/foot = 1.60 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
35.58	35.58	10:41	11:01	9.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:45	1.84	1.84	0.46	26.81	6.26	25.9	689	0.30	234.6	Orange	None
10:49	1.84	3.68	0.46	26.81	6.25	25.8	686	0.11	282.3	Orange	None
10:53	1.84	5.52	0.46	26.81	6.25	25.8	688	0.09	255.9	Orange	None
10:57	1.84	7.36	0.46	26.81	6.26	25.8	688	0.11	175.2	Orange	None
11:01	1.84	9.2	0.46	26.81	6.26	25.8	688	0.08	154.8	Orange	None

8/15/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		11:01	11:06

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
35.58	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
							ORP: 11:01	(-73.6)	

REMARKS: **SEE COC FOR ANALYSIS** ORP: 10:45 (-59.7), 10:49 (-66.0), 10:53 (-70.4), 10:57 (-71.9)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-69A	SAMPLE ID: TH-69A	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2	1/2	20 ft to 35 ft	24.83	BP

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

= (35 feet − 24.83 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
34	34	11:19	11:48	9.57

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:24	1.65	1.65	0.33	25.08	6.14	26.3	529	1.04	320.4	Orange	None
11:29	1.65	3.3	0.33	25.08	6.12	26.2	559	0.67	40.0	Clear	None
11:34	1.65	4.95	0.33	25.08	6.11	26.1	601	0.26	8.04	Clear	None
11:36	0.66	5.61	0.33	25.08	6.11	26.2	619	0.23	4.78	Clear	None
11:38	0.66	6.27	0.33	25.08	6.11	26.2	636	0.23	4.79	Clear	None
11:40	0.66	6.93	0.33	25.08	6.11	26.2	654	0.26	3.97	Clear	None
11:44	1.32	8.25	0.33	25.08	6.11	26.1	697	0.27	4.70	Clear	None
11:46	0.66	8.91	0.33	25.08	6.10	26.1	709	0.27	4.64	Clear	None
11:48	0.66	9.57	0.33	25.08	6.10	26.1	729	0.27	3.18	Clear	None
		8/15/19									

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar M. Morales		11:48	11:53

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
34	T		

FIELD DECONTAMINATION PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
							ORP; 11:38	(22.1)	
							11:40	(19.1)	
							11:44	(13.6)	
							11:46	(11.0)	
							11:48	(8.7)	

REMARKS: SEE COC FOR ANALYSIS ORP: 11:24 (60.0), 11:29 (45.1), 11:34 (24.7), 11:36 (25.8)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-65	SAMPLE ID: TH-65	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	13 ft to 23 ft	13.20	BP

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

= (23 feet − 13.20 feet) X 0.16 gallons/foot = 1.57 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
22	22	12:13	12:24	2.86

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:20	1.82	1.82	0.26	15.03	5.79	25.7	241.4	0.15	3.37	Clear	None
12:22	0.52	2.34	0.26	15.03	5.78	25.7	240.5	0.14	3.85	Clear	None
12:24	0.52	2.86	0.26	15.03	5.77	25.5	239.3	0.16	4.11	Clear	None

8/15/19

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		12:24	12:29

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE: ____ µm
22	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 12:20 (-9.1), 12:22 (-10.9), 12:24 (-14.8)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-66A	SAMPLE ID: TH-66A	DATE: 8/15/19

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2	1/2	5.37 ft to 15.37 ft		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 − 6.42 feet) X 0.16 gallons/foot = 1.43 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
14.37	14.37	13:11	13:30	1.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:26	1.5	1.5	0.1	7.69	6.24	26.8	272.6	0.36	1.59	Clear	None
13:28	0.2	1.7	0.1	7.69	6.24	26.8	272.6	0.33	1.29	Clear	None
13:30	0.2	1.9	0.1	7.69	6.24	26.8	272.3	0.28	1.28	Clear	None

8/15/19 CA

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar Mr Morales		13:30	13:35

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
14.37	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 13:26 (15.0), 13:28 (9.5), 13:30 (3.5)

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: TH-66	SAMPLE ID: TH-66	DATE: 8/15/19

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): 6.41	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)

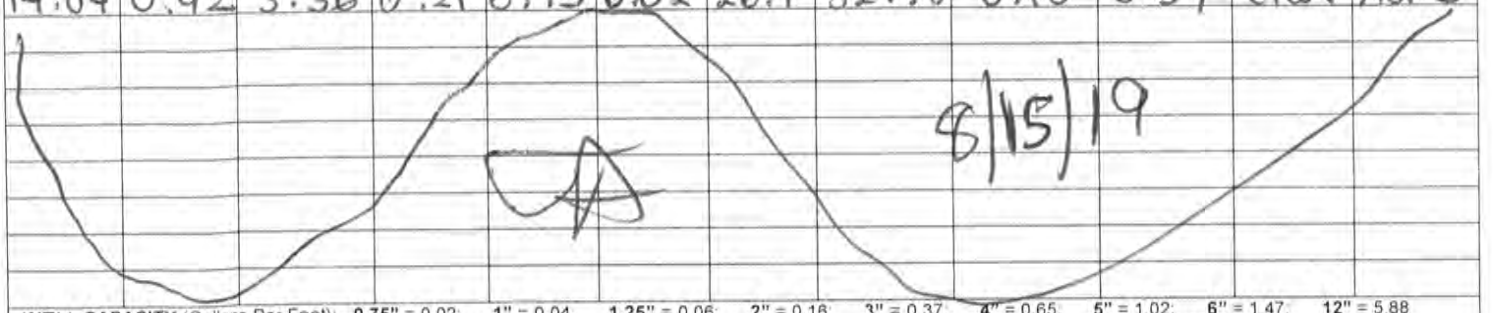
= (21.30 feet − 6.41 feet) X 0.16 gallons/foot = 2.38 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.30	PURGING INITIATED AT: 13:48	PURGING ENDED AT: 14:04	TOTAL VOLUME PURGED (gallons): 3.36

8/15/19 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)
14 2:00	2.52	2.52	0.21	6.75	6.02	26.1	333.8	0.12	0.55	Clear	None
14:02	0.42	2.94	0.21	6.75	6.02	26.1	329.6	0.11	0.48	Clear	None
14:04	0.42	3.36	0.21	6.75	6.02	26.1	327.8	0.10	0.54	Clear	None



WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar M. Morales	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 14:04	SAMPLING ENDED AT: 14:09
PUMP OR TUBING DEPTH IN WELL (feet): 20.30	TUBING MATERIAL CODE: T	FIELD-FILTERED Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE Y (N)	

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

REMARKS: **SEE COC FOR ANALYSIS** ORP: 14:00 (-18.9), 14:02 (-20.6), 14:04 (-21.6)

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	SITE LOCATION	DATE
Southeast County Landfill	Lithia, Florida	8/13/19
WELL NO. Field Blank	SAMPLE ID: Field Blank	

PURGING DATA

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

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

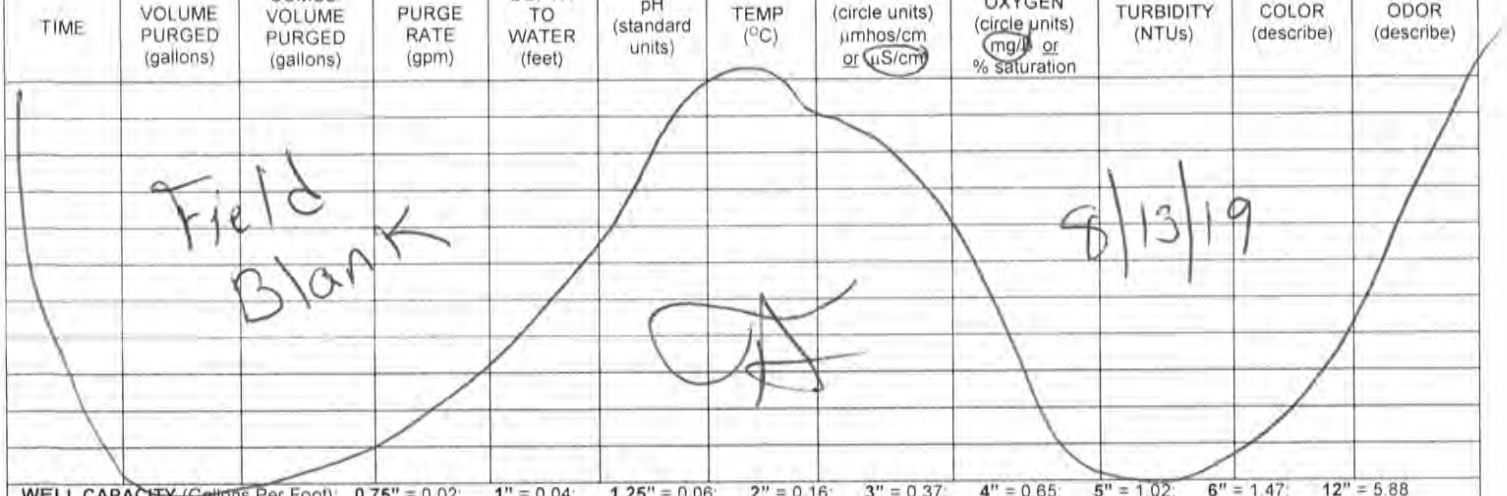
= (N/A feet − N/A feet) X N/A gallons/foot = N/A gallons

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

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)



WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT:	SAMPLING ENDED AT
T. Aguilar M. Morales		11:20	11:25

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
N/A	N/A		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP: N/A**

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: TH-67	SAMPLE ID: TH-67	DATE: 8/16/19

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	5.25 ft to 15.25 ft	2.84	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 − 2.84 feet) X 0.16 gallons/foot = 1.99 gallons

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet)	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
14.25	14.25	9:18	9:35	2.72

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)
9:31	2.08	2.08	0.16	3.16	6.41	26.2	191.2	0.25	3.03	Clear	None
9:33	0.32	2.40	0.16	3.16	6.41	26.3	189.4	0.29	3.09	Clear	None
9:35	0.32	2.72	0.16	3.16	6.41	26.4	187.4	0.26	3.02	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar M. Morales		9:35	9:40

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
14.25	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: **SEE COC FOR ANALYSIS** **ORP:** 9:31 (3.4), 9:33 (6.5), 9:35 (8.6)

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	SITE LOCATION	
Southeast County Landfill	Lithia, Florida	
WELL NO: Duplicate	SAMPLE ID: Duplicate	DATE: 8/16/19

PURGING DATA

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

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X 0.16 gallons/foot = gallons

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

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

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

8/16/19 Duplicate

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
T. Aguilar M. Morales			

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

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

REMARKS: SEE COC FOR ANALYSIS ORP: N/A

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

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

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

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 6020

Preparation: SW-846 3010A

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The relative percent difference (RPD) for the following analytes in the replicate matrix spike analyses of T1914151-005 was outside control criteria: Silver and Cadmium. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

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Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8260B

Preparation: SW-846 5030B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The Laboratory Control Sample Duplicate (LCSD) recovery of Vinyl Chloride was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Matrix Spike (MS) were acceptable, which indicates the analytical batch was in control. The high recovery indicates a high bias but all associated samples were nondetect; therefore, the data is considered not significantly affected.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

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Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 5310B

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of [TOC] for [J1910481036] 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 low bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 5310B

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of [TOC] for [J1910922002 and G1906956002] was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike Duplicates (MSD) and %RPDs were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
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Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

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 T1914151002 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:

Advanced Environmental Laboratories, Inc.

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Fax (904) 363-9354

Project No.: T1914151

Client Name: Hillsborough County Public Utilities

ProjectID: SELF Semi-Annual SE CntyLndfil

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 4500-Cl-E

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of Chloride for T1914151026 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 low bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced
Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Queue: WCAg

Batch Number: 7569

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 5310B

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike duplicate recovery of [TOC] for M1903978001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike (MS) and %RPDs were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other: