

# Florida Department of Environmental Protection

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

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

## GROUND WATER MONITORING REPORT Rule 62-522.600(11)

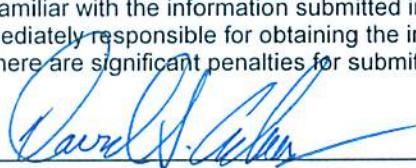
### PART I GENERAL INFORMATION

- (1) Facility Name SOUTHEAST LANDFILL  
Address 15960 C. R. 672  
City LITHIA, FL Zip 33503  
Telephone Number (813) 671-7707
- (2) The GMS Identification Number 4029C30075
- (3) DEP Permit Number 35435-022-SO/01
- (4) Authorized Representative Name DAVID S. ADAMS, ENVIRONMENTAL MANAGER, PUBLIC UTILITIES DEPT.  
Address 332 NORTH FALKENBURG ROAD  
City TAMPA, FLORIDA Zip 33619  
Telephone Number (813) 663-3221
- (5) Type of Discharge GROUNDWATER – POTENTIAL ONLY
- (6) Method of Discharge LANDFILL

### Certification

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

Date: 6/1/2016



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



## Public Utilities

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### County Attorney

Chip Fletcher

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**Public Utilities**  
PO Box 1110  
Tampa, FL 33601-1110  
Phone: (813) 272-5977  
Fax: (813) 272-5589

June 1, 2016

Mr. John Morris, P.G.  
Department of Environmental Protection  
Southwest District Office- Solid Waste Section  
13051 Telecom Parkway  
Tampa, FL 33637

**Re: Southeast County Landfill  
Solid Waste Operation Permit No. 35435-022-SO/01  
Analytical Data Report – February 2016**

Dear Mr. Morris:

In accordance with the current landfill operations permit referenced above, the Hillsborough County Public Utilities Department (County) is pleased to provide the August 2015 Analytical Data Report (ADR) for the semi-annual water quality sampling event conducted at the Southeast County Landfill (SCLF). A total of twenty (20) monitoring wells, two (2) surface water sampling locations, and three (3) private supply wells were sampled on February 22-26, 2016 by the County's Field Sampling Team and analyzed by our contracted laboratory, Advanced Environmental Laboratories, Inc.

Representative samples at two (2) surface water locations, SW-3A and SW-3B2B were not able to be collected due to the dry conditions observed in the tributary to Long Flat Creek during this sampling event. This ADR provides a general discussion of the parameter specific water quality observations across the site, the data summary tables, supporting documentation, and the complete laboratory analytical report.

## **FIELD PARAMETERS**

### **pH**

Each of the sixteen (16) surficial aquifer detection and background water quality monitoring wells continue to exhibit pH values below the Secondary Drinking Water Standard (SDWS) acceptable range of 6.5 to 8.5 pH units. The pH values range from 4.45 to 6.36 pH units across the site. The pH values in the surficial aquifer have historically been observed below the acceptable range, and the background water quality recorded prior to construction and operation of the landfill established pH below the acceptable range. The recent data remains consistent with the historical data set and background water quality.

**Mr. John Morris, P.G.**

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In addition, the two (2) surface water sampling locations also exhibited pH below the SDWS. Each of the four (4) upper Floridan/Limestone aquifer monitoring wells, exhibited pH values within the acceptable range, which is consistent with the historical data set for the site. No unusual conditions or changes in the pH values within any of the detection or background water quality monitoring wells or surface water sites were observed during this sampling event.

### **Turbidity**

The turbidity values observed in the surficial aquifer ranged from 0.51 to 15.5 Nephelometric Turbidity Units (NTU). Over the past several years, surficial aquifer detection monitoring well, TH-70A, has been observed with what appears to be an iron bacteria material. This material forms an orange to rust colored slime on the dedicated bladder pump, pump tubing, well screen and inner casing. Prior to this sampling event, the pump was pulled and thoroughly cleaned, and the well screen and casing were scrubbed with a bottle brush attached to three sections of ½-inch PVC pipe. Potable water was used to help clean and flush the well. The monitoring well was then extensively purged, surged and redeveloped utilizing an electric typhoon pump until the discharge appeared clean and clear. Pumping was conducted for a minimum of 20 minutes, and the purge water from the typhoon pump was utilized to thoroughly clean the well's dedicated bladder pump. It is believed that a poor quality fill material was utilized as base material for construction of the landfill in the areas under and down gradient of Section 9, and this material is likely the source of the iron bacteria observed.

Monitoring well TH-68 also is observed to contain what appears to be another form of iron bacteria. A darker slime material is present but is not as pervasive, and is different in both color and texture than what has been observed in TH-70A. This well and pump were also cleaned out in the same manner as TH-70A prior to this semi-annual sampling event. As previously discussed, the County will be performing these well/pump clean out procedures at TH-68 and TH-70A prior to the future sampling events, to ensure the pumps are not clogged with slime and representative samples can be collected.

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

Based on the surface water quality observed over the past year and particularly over the above average rainy season, the storm water management system appears to be highly effective. Over the thirteen (13) plus years of monitoring the surface waters in the tributary after each significant rainfall event, there have been no violations of the compliance criteria at the discharge point. Additionally, several significant improvements to the storm water management system have been constructed over the last three years to ensure the level of performance desired. Based on the water quality observations over the period of record, and the improvements

**Mr. John Morris, P.G.**

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to storm water management system at the site, the County believes there is justification for discontinuing the required reporting of turbidity in the tributary.

### **Dissolved Oxygen**

One (1) of the two (2) surface water locations where samples were collected, exhibited dissolved oxygen (D.O.) levels below the surface water standard of  $\geq 5$  mg/l during this sampling event. The surface water sampling location Mine Cut #1, exhibited the lowest concentration of dissolved oxygen at 1.39 mg/l.

## ***GENERAL PARAMETERS***

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

Surficial aquifer detection monitoring well, TH-71A, one of the detection wells located immediately down gradient of Section 9, exhibited TDS at a concentration of 660 mg/l, which exceeds the SDWS of 500 mg/l. The source of the elevated TDS in this well may be from the accumulation of storm water runoff from the landfill access ramp immediately adjacent to this area. The County is evaluating this situation, and considering a change to the topography of the area surrounding the well to prevent ponding of water in that area. Any changes and or modifications will be presented in our response to your e-mail dated April 27, 2016.

TDS, was also observed exceeding the SDWS in surficial aquifer monitoring well TH-67 and upper Floridan monitoring well TH-72 at concentrations of 1,600 mg/l and 1100 mg/l, respectively. TH-72 is the upper Floridan well that is addressing the former sinkhole on the west side of the landfill, and the TDS value is consistent with historical data set. The water quality changes in TH-67 are a recent development, and the County resampled that well on April 15, 2016. The results from the resampling and our additional sampling and subsurface evaluation activities will be presented in our response to your e-mail dated April 27, 2016.

### **Chloride**

Chloride was observed at 440 mg/l in upper Floridan groundwater monitoring well TH-72, which is above the SDWS of 250 mg/l. The elevated chloride value observed is likely attributable to waste in the throat of the remediated sinkhole and the injected grout materials for subsurface stabilization and/or remediation of the large karst feature. Chloride values in the remaining upper Floridan aquifer groundwater monitoring wells were below the SDWS, and consistent with the historical data set. In addition, chloride was also observed in aquifer monitoring well TH-67 above the SDWS at a concentration of 620 mg/l. As previously mentioned, the County is currently conducting further evaluation of the potential sources of impacts at this location.

## ***METALS***

### **Arsenic**

Arsenic was observed above the Primary Drinking Water Standard (PDWS) of 0.01 mg/l in surficial aquifer detection monitoring wells TH-58 and TH-65. These wells exhibited concentrations of 0.024 mg/l and 0.012 mg/l which exceed the standard of 0.01 mg/l. The concentrations of arsenic observed in each of these locations have historically been above the standard, and consistent over the period of record. The arsenic does not appear to be directly attributable to the landfill, and is likely a result of the liberation of arsenic from the sediments in the anaerobic conditions present under the lined landfill.

### **Iron**

Iron concentrations in fifteen (15) of the sixteen (16) surficial aquifer detection and background water quality monitoring wells were observed above the SDWS of 0.3 mg/l. Concentrations of iron exceeding the standard ranged from 0.34 mg/l to 27 mg/l. Iron observed in the surficial aquifer wells across the site has historically been elevated, and several very high iron values were documented in the surficial aquifer at the site prior to construction and operation of the landfill. The highest concentrations continue to be observed in TH-69A, TH-70A, and TH-71A at 3.8 mg/l, 24 mg/l, and 27 mg/l, respectively. The potential sources of the elevated iron concentrations at various locations of the site have been evaluated, and there appears to be several contributing factors. The County maintains the position that the source(s) of elevated iron concentrations within the surficial aquifer groundwater at the Southeast County Landfill site are not attributable to the landfill.

Iron was observed above the SDWS in upper Floridan aquifer monitoring well TH-72 at a concentration of 0.78 mg/l, which is consistent with historical water quality values. The iron in this well may be naturally occurring in the formation and/or potentially attributable to the waste in the throat of the remediated sinkhole. Additionally, iron was observed below the surface water standard of 1 mg/l in each of the four (4) surface water sampling locations.

The private supply well owned by Mr. Tom Holland, located at 121 Carter Road, exhibited iron above the SDWS of 0.3 mg/l, at a concentration of 1.7 mg/l. Concentrations of iron are consistently above the SDWS in this supply well. However, based on the up gradient location of the well, the County maintains the position that the iron is naturally occurring within production zones of this upper Floridan aquifer supply well. No unusual changes in iron concentrations have been observed in any of the groundwater monitoring wells, surface water sampling locations, or private supply wells during this semi-annual sampling event.

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### **Vanadium**

Vanadium was observed in surficial aquifer background monitoring well TH-66A above the Ground Cleanup Target Level (GCTL) of 0.049 mg/l at a concentration of 0.089 mg/l. The concentrations of vanadium observed in at this location have periodically been above the standard. The overall concentrations of vanadium in this well are relatively consistent over the period of record, and based on the up gradient location, it is likely naturally occurring in the formation.

### ***GROUNDWATER ELEVATIONS***

Groundwater and surface water elevations were recorded on February 22, 2016 from forty-two (42) data points at the site. The elevation data are collected as quickly as possible, and utilized to prepare a representative surficial aquifer groundwater elevation and contour diagram. The diagram for this event was prepared with a 2 ft. contour interval, and it has been utilized to evaluate the general directions of flow across the site. The general directions of flow remains to the northwest and west, which is consistent with the historical data.

### ***CONCLUSIONS***

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

The water quality observed in surficial aquifer monitoring well TH-67 indicates exceedences of pH, TDS, chloride and iron exceeding their respective drinking water standards during this sampling event. The County is currently is in the process of conducting an evaluation of the groundwater conditions in this area of the landfill. Once the County finalizes its review and has a thorough understanding of the environmental conditions, a report of the findings from the evaluation shall be submitted to the Florida Department of Environmental Protection

With the exception of TH-72, the upper Floridan aquifer monitoring wells sampled as part of this program continue to exhibit water quality within all applicable standards and do not appear to exhibit any impacts attributable to the landfill. However, localized water quality impacts have been observed in upper Floridan aquifer monitoring well TH-72. These impacts, although minor in nature, have been attributable to the remediated sinkhole.

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

Should you have any questions, require any additional information, or would like to discuss the results provided within this submittal, please feel free to contact us at (813) 663-3222 or (813) 663-3221.

Respectfully submitted,

Michael D. Townsel  
Senior Hydrologist  
Public Utilities Department  
Environmental Services Section

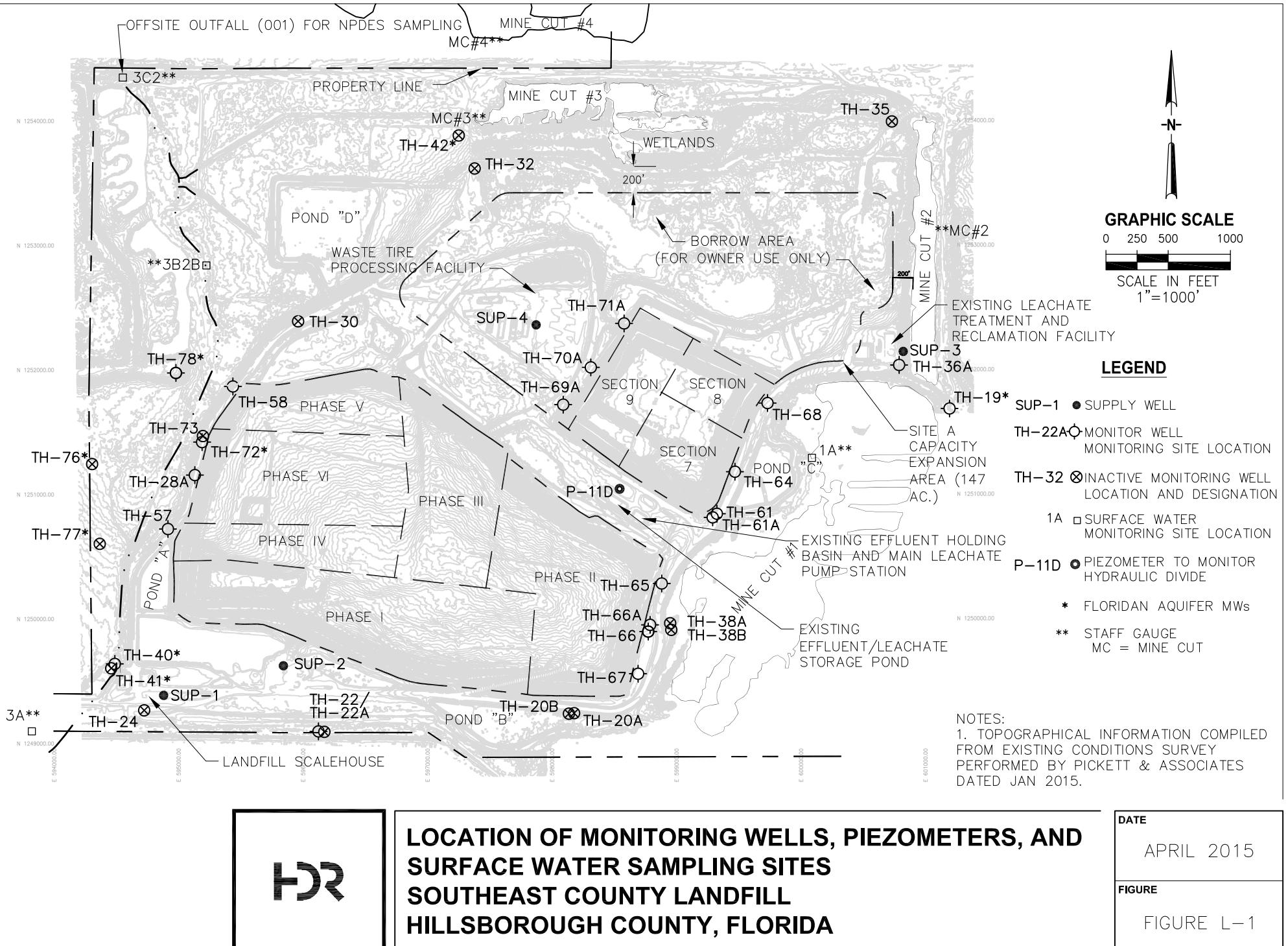
6/1/2016

David S. Adams, P.G.  
Environmental Manager  
Public Utilities Department  
Environmental Services Section



DSA/mdt  
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cc: Kim Byer, Director, Public Works, Solid Waste Management Division  
Larry Ruiz, Landfill Manager, Solid Waste Management Division  
Jeffry Greenwell, GMIII, Environmental Services Section  
Ernest Ely, Manager, WMI, Southeast County Landfill  
Clark Moore, Florida Department of Environmental Protection  
Andy Schipfer, HC Environmental Protection Commission  
Irene Barnes, Southeast Hillsborough Civic Association  
Bob Curtis, SCS Engineers, Inc..



**Southeast County Landfill**  
**Laboratory Analytical Data**  
**Groundwater Monitoring Wells (Phases 1-6)**  
**February 22-26, 2016**

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	Background	Background	Detection	Detection	
conductivity (umhos/cm) (field)	446	410	2224	551	200	371	290	424	256	309	313	1780	NS
dissolved oxygen (mg/l) (field)	0.1	0.21	0.22	0.11	0.16	0.48	0.11	0.40	0.43	0.14	0.5	1.05	NS
pH (SU) (field)	7.26	7.46	6.54	8.00	4.45	5.00	5.03	5.65	5.51	5.96	6.12	5.98	(6.5 - 8.5)**
temperature (°C) (field)	23.46	23.53	23.55	23.18	20.94	26.72	27.51	26.40	22.36	23.00	21.50	20.81	NS
turbidity (NTU) (field)	0.63	0.57	0.56	1.26	15.5	0.77	0.51	2.12	5.99	0.86	1.35	10.11	NS
total dissolved solids (mg/l)	240	230	1100	300	130	190	170	220	170	160	180	1600	500**
chloride (mg/l)	9.1	14	440	35	8.3	76	64	29	18	12	15	620	250**
ammonia nitrogen (mg/l as N)	0.22	0.35	16	0.15	0.45	2.1	1	1.3	1.2	0.52	0.12	1.5	NS
Metals (mg/l)													MCL Standard
antimony	0.000046u	0.000046u	0.000056i	0.000046u	0.000061i	0.000046u	0.000046u	0.00022i	0.000088i	0.00052i	0.0059	0.001	0.006*
arsenic	0.000077u	0.000077u	0.00024i	0.00017i	0.00029i	0.0016	0.00016i	0.024	0.012	0.0025	0.003	0.00053i	0.01*
barium	0.0054	0.0057	0.039	0.083	0.033	0.0016	0.011	0.016	0.0011	0.0017	0.0024	0.021	2*
cadmium	0.000028u	0.000028u	0.000028u	0.000028u	0.000028u	0.000028u	0.000028u	0.000088i	0.000028u	0.00011i	0.000034i	0.0026	0.005*
chromium	0.00011u	0.00013i	0.00062i	0.00023i	0.0019i	0.00095i	0.00050i	0.0018i	0.002	0.00085i	0.00051i	0.00035i	0.1*
cobalt	0.00019u	0.00019u	0.00022i	0.00019u	0.00051	0.00019u	0.00019u	0.00064	0.00038u	0.00042i	0.012	140***	
copper	0.00011u	0.00011u	0.00048i	0.00011u	0.00011u	0.00011u	0.00024i	0.00011u	0.00022u	0.00076	0.0024	1**	
iron	0.03u	0.036i	0.78	0.21	0.71	4.4	0.47	3.7	1.7	2.8	0.34	2.3	0.3**
lead	0.00024u	0.00024u	0.00024u	0.00024u	0.00024u	0.00024u	0.00024u	0.00024u	0.00048u	0.00024u	0.00024u	0.00024u	0.015*
nickel	0.00011u	0.00022i	0.0024	0.00021i	0.00015i	0.00042i	0.00011u	0.00041i	0.00089	0.0003i	0.0018	0.023	0.1*
selenium	0.00058u	0.00058u	0.0076	0.00058u	0.00067i	0.00012i	0.00094i	0.0016i	0.0011i	0.0012u	0.0012i	0.012	0.05*
silver	0.000027u	0.000027u	0.000027u	0.000027u	0.000027u	0.000027u	0.000027u	0.00012i	0.000027u	0.00012i	0.000027u	0.000027u	0.1**
sodium	13	17	160	31	3.8	23	13	13	12	6	8.7	120	160*
thallium	0.000057u	0.000057u	0.000057u	0.000057u	0.000057u	0.0001i	0.000057u	0.0003	0.00019i	0.00015i	0.00052	0.00067	0.002*
vanadium	0.00071u	0.00071u	0.0008i	0.00071u	0.0018i	0.0013i	0.00093i	0.0069	0.0038	0.0016i	0.089	0.0056	0.049***
zinc	0.025	0.0074i	0.027	0.026	0.011	0.009i	0.023	0.0072i	0.011	0.0068i	0.0087i	1.3	5**

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

MCL=Maximum Contaminant Level

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

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

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

4.43 : Exceeds Standards

NTU=Nephelometric Turbidity Units

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

u = parameter was analyzed but not detected.

j4 = estimated result

ug/l=micrograms per liter

mg/l=milligrams per liter

**Southeast County Landfill  
Laboratory Analytical Data  
Groundwater Monitoring Wells (Sections 7-9)  
February 22-26, 2016**

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	(6.5 - 8.5)**						
conductivity (umhos/cm) (field)	210	165	303	315	210	590	712	1335	
dissolved oxygen (mg/l) (field)	0.83	0.14	1.06	0.24	0.83	0.33	0.11	0.15	
temperature (°C) (field)	25.02	25.13	23.84	25.49	25.12	24.84	25.40	24.64	
turbidity (NTU) (field)	1.03	1.83	3.88	12.7	1.03	9.86	10.1	2.87	
pH (SU) (field)	<b>5.68</b>	<b>5.50</b>	<b>5.85</b>	<b>4.76</b>	<b>5.68</b>	<b>6.06</b>	<b>6.36</b>	<b>6.10</b>	
total dissolved solids (mg/l)	130	110	190	180	220	290	320	<b>660</b>	
chloride (mg/l)	3.7i	6.4	7.1	20	28	59	56	210	
ammonia nitrogen (mg/l as N)	0.22	0.12	0.13	0.25	0.29	0.52	2	2.1	
nitrate (mg/l)	0.1i	0.1u	0.1u	0.1i	0.1u	0.1	0.11i	0.18u	
Metals (mg/l)									MCL Standard
antimony	0.000078i	0.000054i	0.0054	0.00016i	0.00013i	0.000051i	0.000046u	0.000087i	0.006*
arsenic	0.00048i	0.00051i	0.00093i	0.00033i	0.0019	0.00047i	0.0026	0.0026	0.01*
barium	0.0052	0.0059	0.0054	0.027	0.008	0.0047	0.0055	0.013	2*
cadmium	0.000028u	0.000028u	0.000048i	0.00092	0.000033i	0.000028u	0.000028u	0.000028u	0.0005*
chromium	0.00066i	0.00093i	0.00097i	0.00088i	0.0033	0.00069i	0.00037i	0.00056i	0.1*
cobalt	0.00019u	0.00019u	0.00023i	0.00019u	0.00019u	0.00019u	0.00019u	0.00029i	140***
copper	0.00048i	0.00016i	0.00071	0.00032i	0.0006i	0.00017i	0.00011u	0.00011u	1**
iron	0.18	<b>0.34</b>	<b>0.93</b>	<b>0.89</b>	<b>0.42</b>	<b>3.8</b>	<b>24</b>	<b>27</b>	0.3**
lead	0.00024u	0.00024u	0.00024u	0.00024u	0.00042i	0.00035i	0.00024u	0.00024u	0.015*
nickel	0.00014i	0.00018i	0.00067i	0.00022i	0.0002i	0.00012i	0.00039i	0.0016	0.1*
selenium	0.00058u	0.00058u	0.00071i	0.00065i	0.0013i	0.0012i	0.0007i	0.003i	0.05*
silver	0.000084i	0.000027u	0.000027u	0.000027u	0.000027u	0.000027u	0.00014i	0.000027u	0.1**
sodium	2.1	4.4	4.4	9.9	11	17	9.6	31	160*
vanadium	0.0017i	0.0017i	0.021	0.0086	0.0055	0.00094i	0.00072i	0.0024	0.049***
zinc	0.012	0.012	0.013	0.01	0.01	0.011	0.0086i	0.012	5**

Notes: Reference Groundwater Guidance Concentrations, FDEP 2012

NS=No Standard

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

**5.51** Exceeds Standards

#### NTI I=Nephelometric

NTU—Nephelometric Turbidity Units  
i = reported value is between the lab

<sup>a</sup> = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

$\mu$  = parameter was analyzed but not detected.  
 $\mu\text{g/l}$  = micrograms per liter.

$\mu\text{g/l} = \text{micrograms per liter}$

mg/l=milligrams per liter

**Southeast County Landfill**  
**Laboratory Analytical Data**  
**Surface Water Samples**  
**February 22-26, 2016**

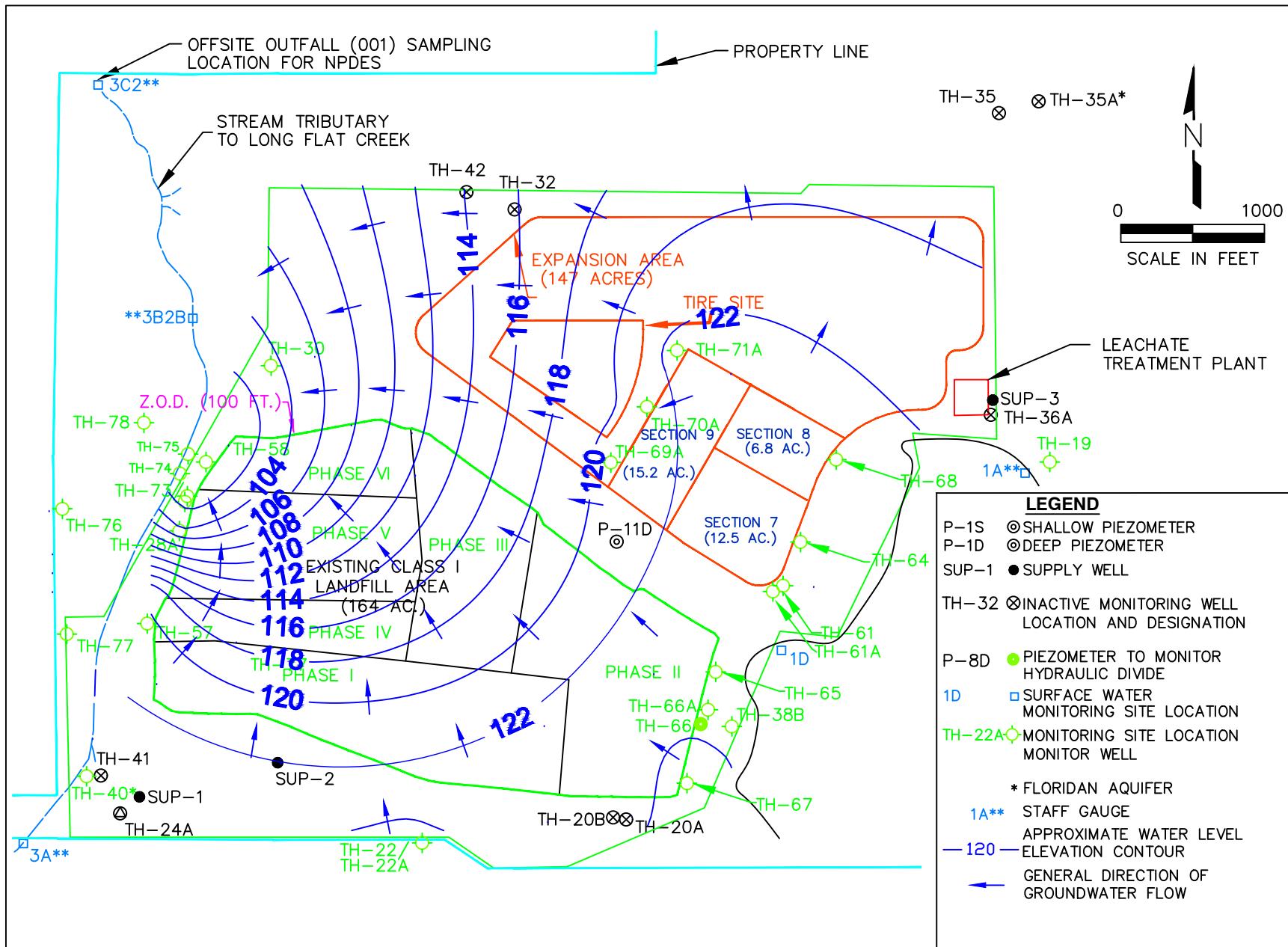
General Parameters	Mine Cut #1	SW-3C2	MCL Standard
conductivity (umhos/cm) (field)	411	248	1275
dissolved oxygen (mg/l) (field)	<b>1.39</b>	7.80	Must Be > OR=5.0
temperature (°C) in field	20.10	18.64	NS
turbidity (field) (NTU)	4.19	2.40	29
pH (field)	6.76	7.17	(6.5 - 8.5)
total dissolved solids (mg/l)	260	160	NS
total suspended solids (mg/l)	6	3	NS
total nitrogen (mg/l)	0.97	0.43	NS
total phosphorous (mg/l)	1.9	0.5	NS
biochem. oxygen demand (mg/l)	3.0	4.1	NS
chemical oxygen demand (mg/l)	45i	33i	NS
total organic carbon (mg/l as C)	14	12	NS
chlorophyll-A (mg/m3)	21	2.1	NS
nitrate (mg/l)	0.18u	0.18u	NS
hardness (mg/l as CaCO3)	110	80	NS
unionized ammonia (mg/l)	0.025u	.025u	< or = to 0.02
fecal coliform (Col/100ml)	24	62	800
Metals (mg/l)			MCL Standard
antimony	.00017i	0.00015i	< or = to 4,300
arsenic	.00029i	0.00043i	< or = to 50
barium	0.0032	0.0062	2
chromium	0.00022i	0.00081i	0.011
copper	0.00018i	0.00069i	**
iron	0.22	0.19	1
selenium	0.0015i	0.00079i	< or = to 5
silver	0.000027u	0.000027u	< or = to 0.07
vanadium	0.00071u	0.0013i	NA
zinc	0.0077i	0.013	*
Notes: Reference Groundwater Guidance Concentrations, FDEP 2012			
NS=No Standard			
MCL=Maximum Contaminant Level			
<b>3.39</b> : Exceeds Standards			
* = Zn< or =e(0.8473[lnH]+0.7614), note: H=Hardness, for 3A standard is 105.99			
** = Cu< or =e(0.8545[lnH]-1.702)			
NTU = Nephelometric Turbidity Units			
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.			
ug/l = micrograms per liter			
mg/l = milligrams per liter			

**Southeast County Landfill**  
**Laboratory Analytical Data**  
**Private Supply Wells**  
**February 22-26, 2016**

General Parameters	Holland	Keene, Jr.	Barnes	MCL Standard
conductivity (umhos/cm) (field)	445	397	404	NS
dissolved oxygen (mg/l) (field)	0.18	0.09	2.08	NS
temperature (°C) (field)	24.07	24.03	23.61	NS
turbidity (NTU) (field)	0.97	1.77	1.66	NS
pH (SU) (field)	7.44	7.83	7.76	(6.5 - 8.5)**
total dissolved solids (mg/l)	230	220	210	500**
chloride (mg/l)	21	16	8.8	250**
ammonia nitrogen (mg/l as N)	0.04i	0.2	0.05i	NS
Metals (mg/l)				MCL Standard
antimony	0.000046u	0.000061i	0.000046u	0.006*
arsenic	0.00024i	0.00046i	0.00011i	0.01*
barium	0.0044	0.0039	0.005	2*
copper	0.0012	0.00011u	0.00031i	1**
iron	1.7	.021u	0.040i	0.3**
lead	0.00024u	0.00024u	0.0014i	0.015*
nickel	0.0064	0.0011	0.00014i	0.1*
sodium	5.9	7.7	16	160*
zinc	0.028	0.11	0.12	5**
Notes: Reference Groundwater Guidance Concentrations, FDEP 2012				
NS=No Standard				
MCL=Maximum Contaminant Level				
ND= No Data - property locked, unable to sample supply well.				
*= Primary Drinking Water Standards as per 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				
1.8 : Exceeds Standards				
NTU=Nephelometric Turbidity Units				
i = reported value is between laboratory method detection limit and laboratory practical quantitation limit.				
u = parameter was analyzed but not detected.				
pCi/l=Picocuries per liter				
ug/l=micrograms per liter				
mg/l=milligrams per liter				

**Southeast County Landfill**  
**Groundwater and Surface Water Elevations**  
**February 22, 2016**

Measuring Point I.D.	T.O.C. (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)	Time
P-11D	138.02	16.15	121.87	11:25 AM
TH-19*	130.27	88.96	41.31	11:00 AM
TH-20A	131.86	8.41	123.45	12:44 PM
TH-20B	132.57	9.39	123.18	12:42 PM
TH-22	128.82	4.32	124.50	1:02 PM
TH-22A	129.27	4.93	124.34	1:00 PM
TH-24A	128.23	4.14	124.09	12:48 PM
TH-28A	131.10	27.93	103.17	9:37 AM
TH-30	128.88	23.69	105.19	9:51 AM
TH-32	129.90	14.23	115.67	10:30 AM
TH-35	145.98	27.69	118.29	10:52 AM
TH-36A	152.70	31.89	120.81	11:06 AM
TH-38A	130.68	8.47	122.21	12:32 PM
TH-38B	131.81	9.24	122.57	12:30 PM
TH-40*	124.99	84.03	40.96	9:24 AM
TH-41*	125.00	89.04	35.96	9:27 AM
TH-42*	116.74	62.34	54.40	10:34 AM
TH-57	128.36	8.70	119.66	9:33 AM
TH-58	127.88	27.80	100.08	9:46 AM
TH-61	138.73	15.83	122.90	11:23 AM
TH-61A	139.45	16.25	123.20	11:20 AM
TH-64	139.64	15.96	123.68	11:16 AM
TH-65	135.40	12.90	122.50	12:21 PM
TH-66	130.58	7.26	123.32	12:23 PM
TH-66A	130.66	7.68	122.98	12:24 PM
TH-67	129.51	4.93	124.58	12:37 PM
TH-68	140.01	15.99	124.02	11:10 AM
TH-69A	144.97	24.46	120.51	11:32 AM
TH-70A	146.63	26.24	120.39	11:36 AM
TH-71A	146.95	24.20	122.75	11:40 AM
TH-72*	130.96	86.86	44.10	9:43 AM
TH-73	131.07	30.55	100.52	9:40 AM
TH-76*	111.21	67.05	44.16	10:08 AM
TH-77*	119.88	75.64	44.24	10:12 AM
TH-78*	120.75	70.26	50.49	11:52 AM
SW-3A	3.0'=125.53'	Dry	ND	1:12 PM
SW-3B2B	3.0'=97.97'	Dry	ND	10:19 AM
SW-3C2	6.0'=92.33'	1.42	87.75	9:58 AM
Mine Cut #1	4.0'=122.14'	ND	ND	11:12 AM
Mine Cut #2	6.0'=123.47'	3.16	120.63	10:56 AM
Mine Cut #3	4.0'=112.27'	2.68	110.95	10:36 AM
Mine Cut #4	5.0'=97.54'	1.50	94.04	10:40 AM
<b>NGVD = National Geodetic Vertical Datum</b>				
<b>T.O.C. = Top of Casing</b>				
<b>B.T.O.C. = Below Top of Casing</b>				
<b>*</b> = Floridan Well				
<b>ND = No Data - No surface water at sampling locations</b>				
<b>W.L. = Water Level</b>				
<b>Staff Gauge at Mine Cut #1 location could not be read due to vegetation</b>				



Southeast County Landfill  
Groundwater Elevation Contour Diagram – February 22, 2016

**HILLSBOROUGH COUNTY**  
**SOUTHEAST COUNTY LANDFILL TURBIDITY MONITORING**

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

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

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

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

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

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

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

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

01/11/2016	3A 3B2B 3C2	8:10 a.m. 8:20 a.m. 8:30 a.m.	10.22 No Data 7.44	2" rain on 1/9/2016 Monitoring location was dry
01/30/2016	3A 3B2B 3C2	12:21 p.m. 12:28 p.m. 12:33 p.m.	9.18 No Data 3.39	1.17" rain on 1/28/2016 Monitoring location was dry



Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

March 21, 2016

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

RE: Workorder: T1602482 SELF Semi-Annual

Dear David Adams:

Enclosed are the analytical results for sample(s) received by the laboratory between Monday, February 22, 2016 and Friday, February 26, 2016. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

A handwritten signature in black ink that appears to read "Heidi Brooks".

Heidi Brooks  
HBrooks@AELab.com

Enclosures

### CERTIFICATE OF ANALYSIS

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Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## SAMPLE SUMMARY

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1602482001	Mine-Cut	Water	2/22/2016 12:40	2/22/2016 15:05
T1602482002	Stream 3C2	Water	2/22/2016 12:11	2/22/2016 15:05
T1602482003	Field Blank	Water	2/22/2016 10:05	2/22/2016 15:05
T1602482004	Trip Blank	Water	2/22/2016 00:00	2/22/2016 15:05
T1602482005	Keene Residence	Water	2/22/2016 11:44	2/22/2016 15:05
T1602482006	Barnes Residence	Water	2/22/2016 11:09	2/22/2016 15:05
T1602482007	Holland Residence	Water	2/22/2016 10:33	2/22/2016 15:05
T1602482008	Trip Blank	Water	2/22/2016 00:00	2/22/2016 15:05
T1602482009	TH-19	Water	2/23/2016 14:52	2/23/2016 15:50
T1602482010	TH-71A	Water	2/23/2016 14:12	2/23/2016 15:50
T1602482011	TH-57	Water	2/23/2016 13:14	2/23/2016 15:50
T1602482012	TH-72	Water	2/23/2016 12:38	2/23/2016 15:50
T1602482013	TH-78	Water	2/23/2016 11:25	2/23/2016 15:50
T1602482014	TH-40	Water	2/23/2016 10:10	2/23/2016 15:50
T1602482015	Trip Blank	Water	2/23/2016 00:00	2/23/2016 15:50
T1602482016	TH-66	Water	2/24/2016 14:41	2/24/2016 15:40
T1602482017	TH-58	Water	2/24/2016 11:15	2/24/2016 15:40
T1602482018	TH-28A	Water	2/24/2016 10:44	2/24/2016 15:40
T1602482019	TH-61	Water	2/25/2016 15:03	2/25/2016 16:16
T1602482020	TH-61A	Water	2/25/2016 14:17	2/25/2016 16:16
T1602482021	TH-65	Water	2/25/2016 13:34	2/25/2016 16:16
T1602482022	TH-66A	Water	2/25/2016 12:51	2/25/2016 16:16
T1602482023	TH-67	Water	2/25/2016 12:15	2/25/2016 16:16
T1602482024	TH-22A	Water	2/25/2016 11:09	2/25/2016 16:16
T1602482025	Travel Blank	Water	2/25/2016 00:00	2/25/2016 16:16
T1602482026	TH-70A	Water	2/26/2016 13:08	2/26/2016 14:10
T1602482027	TH-69A	Water	2/26/2016 12:17	2/26/2016 14:10
T1602482028	TH-64	Water	2/26/2016 11:29	2/26/2016 14:10
T1602482029	TH-68	Water	2/26/2016 10:46	2/26/2016 14:10
T1602482030	TH-36A	Water	2/26/2016 10:13	2/26/2016 14:10
T1602482031	Travel Blank	Water	2/26/2016 00:00	2/26/2016 14:10

## CERTIFICATE OF ANALYSIS

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482001** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Mine-Cut** Date Collected: 02/22/16 12:40

Sample Description: Location:

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

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	411		umhos/cm	1				2/22/2016 12:40
Dissolved Oxygen	1.39		mg/L	1				2/22/2016 12:40
Temperature	20.1		°C	1				2/22/2016 12:40
Turbidity	4.19		NTU	1				2/22/2016 12:40
pH	6.76		SU	1				2/22/2016 12:40

Analysis Desc: Tot Dissolved Solids,SM2540C		Analytical Method: SM 2540 C						
Total Dissolved Solids	260		mg/L	1.25		12	12	2/27/2016 13:30 T

### **METALS**

Analysis Desc: SW846 6010B Analysis,Water		Preparation Method: SW-846 3010A Analytical Method: SW-846 6010						
Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 17:25	T
Iron	220		ug/L	1	100	21	3/1/2016 17:25	T
Zinc	7.7	I	ug/L	1	10	2.0	3/1/2016 17:25	T

Analysis Desc: SW846 6020B Analysis,Total		Preparation Method: SW-846 3010A Analytical Method: SW-846 6020						
Antimony	0.17	I	ug/L	1	0.70	0.046	3/2/2016 17:41	J
Arsenic	0.29	I	ug/L	1	1.0	0.077	3/2/2016 17:41	J
Barium	3.2		ug/L	1	0.60	0.12	3/2/2016 17:41	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 17:41	J
Chromium	0.22	I	ug/L	1	2.0	0.11	3/2/2016 17:41	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 17:41	J
Copper	0.18	I	ug/L	1	0.70	0.11	3/2/2016 17:41	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 17:41	J
Nickel	0.43	I	ug/L	1	0.80	0.11	3/2/2016 17:41	J
Selenium	1.5	I	ug/L	1	5.0	0.58	3/2/2016 17:41	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 17:41	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 17:41	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 17:41	J

Analysis Desc: SW846 7470A Analysis,Water		Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A						
Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482001** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Mine-Cut** Date Collected: 02/22/16 12:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>Microbiology</b>								
Analysis Desc: Fecal Coliform MF,SM9222D,Water								
Coliform Fecal	<b>24</b>		#/100 mL	<b>1</b>		<b>1</b>	<b>1</b>	2/22/2016 16:05 T
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water								
Preparation Method: SW-846 8011 Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.0097	3/3/2016 18:01	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	<b>U</b>	ug/L	<b>1</b>	0.020	0.0069	3/3/2016 18:01	T
Tetrachloro-m-xylene (S)	<b>77</b>		%	<b>1</b>	64-150		3/3/2016 18:01	
<b>VOLATILES</b>								
Analysis Desc: 8260B Analysis, Water								
Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B								
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.64	3/1/2016 12:32	T
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	3/1/2016 12:32	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	3/1/2016 12:32	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	3/1/2016 12:32	T
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.86	3/1/2016 12:32	T
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.70	3/1/2016 12:32	T
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.58	3/1/2016 12:32	T
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.63	3/1/2016 12:32	T
1,2-Dichloroethane	<b>0.68</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.68	3/1/2016 12:32	T
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.76	3/1/2016 12:32	T
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.97	3/1/2016 12:32	T
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.59	3/1/2016 12:32	T
2-Hexanone	<b>0.99</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.99	3/1/2016 12:32	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.93	3/1/2016 12:32	T
Acetone	<b>1.0</b>	<b>U</b>	ug/L	<b>1</b>	1.0	1.0	3/1/2016 12:32	T
Acrylonitrile	<b>4.6</b>	<b>U</b>	ug/L	<b>1</b>	5.0	4.6	3/1/2016 12:32	T
Benzene	<b>0.34</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.34	3/1/2016 12:32	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	3/1/2016 12:32	T
Bromodichloromethane	<b>0.49</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.49	3/1/2016 12:32	T
Bromoform	<b>0.61</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.61	3/1/2016 12:32	T
Bromomethane	<b>0.81</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.81	3/1/2016 12:32	T
Carbon Disulfide	<b>0.49</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.49	3/1/2016 12:32	T
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.57	3/1/2016 12:32	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482001</b>	Date Received:	02/22/16 15:05	Matrix:	Water
Sample ID:	<b>Mine-Cut</b>	Date Collected:	02/22/16 12:40		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 12:32	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 12:32	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 12:32	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 12:32	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 12:32	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 12:32	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 12:32	T
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 12:32	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 12:32	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 12:32	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 12:32	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 12:32	T
Trichloroethylene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 12:32	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 12:32	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 12:32	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 12:32	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 12:32	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 12:32	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 12:32	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 12:32	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 12:32	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 12:32	T
1,2-Dichloroethane-d4 (S)	<b>107</b>	%	1		70-130			
Toluene-d8 (S)	<b>102</b>	%	1		70-130			
Bromofluorobenzene (S)	<b>107</b>	%	1		70-130			

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	<b>0.97</b>		mg/L	1	0.10	0.10	3/16/2016 08:20	T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	<b>0.025</b>	U	mg/L	1	0.10	0.025	3/1/2016 15:35	T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	<b>1.9</b>		mg/L	1	0.10	0.046	3/3/2016 14:37	T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482001** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Mine-Cut** Date Collected: 02/22/16 12:40

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Chemical Oxygen Demand	<b>45</b>	I	mg/L	1	50	24	2/29/2016 03:15	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	<b>21</b>	ug/L		1	1.0	1.0	3/7/2016 14:40	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	<b>110</b>	mg/L		1	10	2.6	2/25/2016 15:28	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>6.0</b>	mg/L		2.5	2.5	2.5	2/27/2016 12:06	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/23/2016 16:21	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	<b>3.0</b>	mg/L		1	2.0	2.0	2/24/2016 10:57	T
Analysis Desc: TOC,SM5310B,Water	Analytical Method: SM 5310B							
Total Organic Carbon	<b>14</b>	mg/L		1	1.0	0.25	2/26/2016 13:25	G

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482002** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Stream 3C2** Date Collected: 02/22/16 12:11

Sample Description: Location:

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

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>248</b>		umhos/cm	1				2/22/2016 12:11
Dissolved Oxygen	<b>7.8</b>		mg/L	1				2/22/2016 12:11
Temperature	<b>18.64</b>		°C	1				2/22/2016 12:11
Turbidity	<b>2.4</b>		NTU	1				2/22/2016 12:11
pH	<b>7.17</b>		SU	1				2/22/2016 12:11

Analysis Desc: TOC,SM5310B,Water		Analytical Method: SM 5310B						
Total Organic Carbon	<b>12</b>		mg/L	1		1.0	0.25	2/26/2016 13:36 G

### METALS

Analysis Desc: SW846 6010B Analysis,Water		Preparation Method: SW-846 3010A						
		Analytical Method: SW-846 6010						
Beryllium	<b>0.11</b>	U	ug/L	1	0.60	0.11	3/1/2016 17:52	T
Iron	<b>190</b>	U	ug/L	1	100	21	3/1/2016 17:52	T
Zinc	<b>13</b>	U	ug/L	1	10	2.0	3/1/2016 17:52	T

Analysis Desc: SW846 6020B Analysis,Total		Preparation Method: SW-846 3010A						
		Analytical Method: SW-846 6020						
Antimony	<b>0.15</b>	I	ug/L	1	0.70	0.046	3/2/2016 17:44	J
Arsenic	<b>0.43</b>	I	ug/L	1	1.0	0.077	3/2/2016 17:44	J
Barium	<b>6.2</b>	U	ug/L	1	0.60	0.12	3/2/2016 17:44	J
Cadmium	<b>0.045</b>	I	ug/L	1	0.50	0.028	3/2/2016 17:44	J
Chromium	<b>0.81</b>	I	ug/L	1	2.0	0.11	3/2/2016 17:44	J
Cobalt	<b>0.19</b>	U	ug/L	1	0.50	0.19	3/2/2016 17:44	J
Copper	<b>0.69</b>	I	ug/L	1	0.70	0.11	3/2/2016 17:44	J
Lead	<b>0.24</b>	U	ug/L	1	0.70	0.24	3/2/2016 17:44	J
Nickel	<b>0.63</b>	I	ug/L	1	0.80	0.11	3/2/2016 17:44	J
Selenium	<b>0.79</b>	I	ug/L	1	5.0	0.58	3/2/2016 17:44	J
Silver	<b>0.027</b>	U	ug/L	1	0.50	0.027	3/2/2016 17:44	J
Thallium	<b>0.057</b>	U	ug/L	1	0.20	0.057	3/2/2016 17:44	J
Vanadium	<b>1.3</b>	I	ug/L	1	2.0	0.71	3/2/2016 17:44	J

Analysis Desc: SW846 7470A Analysis,Water		Preparation Method: SW-846 7470A						
		Analytical Method: SW-846 7470A						
Mercury	<b>0.084</b>	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482002** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Stream 3C2** Date Collected: 02/22/16 12:11

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>Microbiology</b>								
Analysis Desc: Fecal Coliform MF,SM9222D,Water								
Coliform Fecal	<b>62</b>		#/100 mL	<b>1</b>		<b>1</b>	<b>1</b>	2/22/2016 16:05 T
<b>SEMIVOLATILES</b>								
Analysis Desc: SW 8011 Analysis, Water								
Preparation Method: SW-846 8011 Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	<b>U</b>	ug/L	<b>1</b>	0.022	0.010	3/3/2016 18:26	T
Ethylene Dibromide (EDB)	<b>0.0074</b>	<b>U</b>	ug/L	<b>1</b>	0.022	0.0074	3/3/2016 18:26	T
Tetrachloro-m-xylene (S)	<b>100</b>		%	<b>1</b>	64-150		3/3/2016 18:26	
<b>VOLATILES</b>								
Analysis Desc: 8260B Analysis, Water								
Preparation Method: SW-846 5030B Analytical Method: SW-846 8260B								
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.64	3/1/2016 13:20	T
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.44	3/1/2016 13:20	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.41	3/1/2016 13:20	T
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.40	3/1/2016 13:20	T
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.86	3/1/2016 13:20	T
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.70	3/1/2016 13:20	T
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.58	3/1/2016 13:20	T
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.63	3/1/2016 13:20	T
1,2-Dichloroethane	<b>0.68</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.68	3/1/2016 13:20	T
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.76	3/1/2016 13:20	T
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.97	3/1/2016 13:20	T
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.59	3/1/2016 13:20	T
2-Hexanone	<b>0.99</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.99	3/1/2016 13:20	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.93	3/1/2016 13:20	T
Acetone	<b>1.0</b>	<b>U</b>	ug/L	<b>1</b>	1.0	1.0	3/1/2016 13:20	T
Acrylonitrile	<b>4.6</b>	<b>U</b>	ug/L	<b>1</b>	5.0	4.6	3/1/2016 13:20	T
Benzene	<b>0.34</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.34	3/1/2016 13:20	T
Bromochloromethane	<b>0.33</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.33	3/1/2016 13:20	T
Bromodichloromethane	<b>0.49</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.49	3/1/2016 13:20	T
Bromoform	<b>0.61</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.61	3/1/2016 13:20	T
Bromomethane	<b>0.81</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.81	3/1/2016 13:20	T
Carbon Disulfide	<b>0.49</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.49	3/1/2016 13:20	T
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	ug/L	<b>1</b>	1.0	0.57	3/1/2016 13:20	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482002** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Stream 3C2** Date Collected: 02/22/16 12:11

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 13:20	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 13:20	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 13:20	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 13:20	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 13:20	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 13:20	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 13:20	T
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 13:20	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 13:20	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 13:20	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 13:20	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 13:20	T
Trichloroethylene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 13:20	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 13:20	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 13:20	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 13:20	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 13:20	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 13:20	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 13:20	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 13:20	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 13:20	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 13:20	T
1,2-Dichloroethane-d4 (S)	<b>108</b>	%	1		70-130		3/1/2016 13:20	
Toluene-d8 (S)	<b>103</b>	%	1		70-130		3/1/2016 13:20	
Bromofluorobenzene (S)	<b>108</b>	%	1		70-130		3/1/2016 13:20	

### **WET CHEMISTRY**

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation						
Total Nitrogen	<b>0.43</b>	<b>mg/L</b>		<b>1</b>	0.10		0.10 3/16/2016 08:20 T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83						
Unionized Ammonia	<b>0.025</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.10		0.025 3/1/2016 15:35 T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4						
Total Phosphorus (as P)	<b>0.50</b>	<b>mg/L</b>		<b>1</b>	0.10		0.046 3/3/2016 14:37 T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4						

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Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482002** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Stream 3C2** Date Collected: 02/22/16 12:11

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Chemical Oxygen Demand	<b>33</b>	I	mg/L	1	50	24	2/29/2016 03:15	T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	<b>2.1</b>		ug/L	1	1.0	1.0	3/7/2016 14:40	G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO3)	<b>80</b>		mg/L	1	10	2.6	2/25/2016 15:28	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>160</b>		mg/L	<b>1.25</b>	12	12	2/27/2016 13:30	T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>3.0</b>		mg/L	<b>2.5</b>	2.5	2.5	2/27/2016 12:06	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/23/2016 16:22	T
Analysis Desc: BOD,SM5210B,Water	Analytical Method: SM 5210B							
Biochemical Oxygen Demand	<b>4.1</b>		mg/L	1	2.0	2.0	2/24/2016 10:51	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482003** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Field Blank** Date Collected: 02/22/16 10:05

Sample Description: Location:

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

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

Beryllium	<b>0.11</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.60	0.11	3/1/2016 18:21	T
Iron	<b>21</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	100	21	3/1/2016 18:21	T
Zinc	<b>9.1</b>	<b>I</b>	<b>ug/L</b>	<b>1</b>	10	2.0	3/1/2016 18:21	T

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

Antimony	<b>0.046</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.70	0.046	3/2/2016 17:47	J
Arsenic	<b>0.077</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.077	3/2/2016 17:47	J
Barium	<b>0.12</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.60	0.12	3/2/2016 17:47	J
Cadmium	<b>0.028</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.50	0.028	3/2/2016 17:47	J
Chromium	<b>0.11</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	0.11	3/2/2016 17:47	J
Cobalt	<b>0.19</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.50	0.19	3/2/2016 17:47	J
Copper	<b>0.11</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.70	0.11	3/2/2016 17:47	J
Lead	<b>0.24</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.70	0.24	3/2/2016 17:47	J
Nickel	<b>0.11</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.80	0.11	3/2/2016 17:47	J
Selenium	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	0.58	3/2/2016 17:47	J
Silver	<b>0.027</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.50	0.027	3/2/2016 17:47	J
Thallium	<b>0.057</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.20	0.057	3/2/2016 17:47	J
Vanadium	<b>0.71</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	2.0	0.71	3/2/2016 17:47	J

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

Mercury	<b>0.084</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.10	0.084	3/7/2016 15:58	T
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### **SEMOVOLATILES**

Analysis Desc: SW 8011 Analysis, Preparation Method: SW-846 8011  
 Water Analytical Method: SW-846 8011

1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.0097	3/3/2016 18:50	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	0.020	0.0069	3/3/2016 18:50	T
Tetrachloro-m-xylene (S)	<b>92</b>		<b>%</b>	<b>1</b>	64-150		3/3/2016 18:50	

### **VOLATILES**

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

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482003** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Field Blank** Date Collected: 02/22/16 10:05

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/3/2016 15:17	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/3/2016 15:17	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/3/2016 15:17	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 15:17	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/3/2016 15:17	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 15:17	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/3/2016 15:17	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/3/2016 15:17	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/3/2016 15:17	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 15:17	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/3/2016 15:17	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/3/2016 15:17	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/3/2016 15:17	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/3/2016 15:17	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 15:17	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/3/2016 15:17	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/3/2016 15:17	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/3/2016 15:17	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 15:17	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/3/2016 15:17	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/3/2016 15:17	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 15:17	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/3/2016 15:17	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 15:17	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/3/2016 15:17	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/3/2016 15:17	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 15:17	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 15:17	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 15:17	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 15:17	T
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 15:17	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 15:17	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 15:17	T
Tetrachloroethylene (PCE)	<b>2.1</b>	ug/L	1		1.0	0.52	3/3/2016 15:17	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 15:17	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 15:17	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 15:17	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 15:17	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 15:17	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 15:17	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482003** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Field Blank** Date Collected: 02/22/16 10:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 15:17	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 15:17	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 15:17	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 15:17	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 15:17	T
1,2-Dichloroethane-d4 (S)	<b>104</b>	%		1	70-130		3/3/2016 15:17	
Toluene-d8 (S)	<b>101</b>	%		1	70-130		3/3/2016 15:17	
Bromofluorobenzene (S)	<b>109</b>	%		1	70-130		3/3/2016 15:17	

### WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water	Analytical Method: Calculation							
Total Nitrogen	<b>0.10</b>	U	mg/L	1			0.10	0.10 3/16/2016 08:20 T
Analysis Desc: Unionized Ammonia,DEP SOP,Water	Analytical Method: DEP SOP 10/03/83							
Unionized Ammonia	<b>0.025</b>	U	mg/L	1			0.10	0.025 3/1/2016 15:35 T
Analysis Desc: Total Phosphorus,E365.4,Analysis	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 365.4							
Total Phosphorus (as P)	<b>0.046</b>	U	mg/L	1			0.10	0.046 3/3/2016 14:37 T
Analysis Desc: COD,E410.4,Water	Analytical Method: EPA 410.4							
Chemical Oxygen Demand	<b>24</b>	U	mg/L	1			50	24 2/29/2016 03:15 T
Analysis Desc: Chlorophyll A,SM10200H,Water	Analytical Method: SM 10200 H							
Chlorophyll A	<b>1.0</b>	U	ug/L	1			1.0	1.0 3/7/2016 14:40 G
Analysis Desc: Hardness,SM2340C,Water	Analytical Method: SM 2340C							
Hardness (as CaCO <sub>3</sub> )	<b>2.6</b>	U	mg/L	1			10	2.6 2/25/2016 15:28 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>12</b>	U	mg/L	<b>1.25</b>			12	12 2/27/2016 13:30 T
Analysis Desc: TSS,SM2540D,Water	Analytical Method: SM 2540D							
Total Suspended Solids	<b>2.5</b>	U	mg/L	<b>2.5</b>			2.5	2.5 2/27/2016 12:06 T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482003** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Field Blank** Date Collected: 02/22/16 10:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water								
Nitrate	<b>0.18</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.20	0.18	2/23/2016 16:23	T
Analysis Desc: BOD,SM5210B,Water								
Biochemical Oxygen Demand	<b>2.0</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	2.0	2.0	2/24/2016 10:48	T
Analysis Desc: TOC,SM5310B,Water								
Total Organic Carbon	<b>0.25</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	1.0	0.25	2/26/2016 14:11	G

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482004** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Trip Blank** Date Collected: 02/22/16 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B Analysis, Water Preparation Method: SW-846 5030B														
Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.64	3/1/2016 14:08	T						
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	3/1/2016 14:08	T						
1,1,2,2-Tetrachloroethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	3/1/2016 14:08	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	3/1/2016 14:08	T						
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.86	3/1/2016 14:08	T						
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/1/2016 14:08	T						
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.58	3/1/2016 14:08	T						
1,2-Dibromo-3-Chloropropane	<b>0.25</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.25	3/1/2016 14:08	T						
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.63	3/1/2016 14:08	T						
1,2-Dichloroethane	<b>0.68</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.68	3/1/2016 14:08	T						
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/1/2016 14:08	T						
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.97	3/1/2016 14:08	T						
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.59	3/1/2016 14:08	T						
2-Hexanone	<b>0.99</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.99	3/1/2016 14:08	T						
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.93	3/1/2016 14:08	T						
Acetone	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/1/2016 14:08	T						
Acrylonitrile	<b>4.6</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	4.6	3/1/2016 14:08	T						
Benzene	<b>0.34</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.34	3/1/2016 14:08	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	3/1/2016 14:08	T						
Bromodichloromethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/1/2016 14:08	T						
Bromoform	<b>0.61</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.61	3/1/2016 14:08	T						
Bromomethane	<b>0.81</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.81	3/1/2016 14:08	T						
Carbon Disulfide	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/1/2016 14:08	T						
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.57	3/1/2016 14:08	T						
Chlorobenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/1/2016 14:08	T						
Chloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	3/1/2016 14:08	T						
Chloroform	<b>0.31</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.31	3/1/2016 14:08	T						
Chloromethane	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/1/2016 14:08	T						
Dibromochloromethane	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/1/2016 14:08	T						
Dibromomethane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/1/2016 14:08	T						
Ethylbenzene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	3/1/2016 14:08	T						
Ethylene Dibromide (EDB)	<b>0.67</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.67	3/1/2016 14:08	T						
Iodomethane (Methyl Iodide)	<b>0.65</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.65	3/1/2016 14:08	T						
Methylene Chloride	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/1/2016 14:08	T						
Styrene	<b>0.84</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.84	3/1/2016 14:08	T						
Tetrachloroethylene (PCE)	<b>0.52</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.52	3/1/2016 14:08	T						

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482004** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Trip Blank** Date Collected: 02/22/16 00:00

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 14:08	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 14:08	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 14:08	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 14:08	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 14:08	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 14:08	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 14:08	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 14:08	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 14:08	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 14:08	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 14:08	T
1,2-Dichloroethane-d4 (S)	<b>107</b>	%	1		70-130		3/1/2016 14:08	
Toluene-d8 (S)	<b>100</b>	%	1		70-130		3/1/2016 14:08	
Bromofluorobenzene (S)	<b>104</b>	%	1		70-130		3/1/2016 14:08	

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482005** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Keene Residence** Date Collected: 02/22/16 11:44

Sample Description: Location:

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

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

Conductivity	397	umhos/cm	1				2/22/2016 11:44
Dissolved Oxygen	0.09	mg/L	1				2/22/2016 11:44
Temperature	24.03	°C	1				2/22/2016 11:44
Turbidity	1.77	NTU	1				2/22/2016 11:44
pH	7.83	SU	1				2/22/2016 11:44

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 18:26	T
Iron	21	U	ug/L	1	100	21	3/1/2016 18:26	T
Sodium	7.7		mg/L	1	0.20	0.042	3/1/2016 18:26	T
Zinc	110		ug/L	1	10	2.0	3/1/2016 18:26	T

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

Antimony	0.061	I	ug/L	1	0.70	0.046	3/2/2016 17:58	J
Arsenic	0.46	I	ug/L	1	1.0	0.077	3/2/2016 17:58	J
Barium	3.9		ug/L	1	0.60	0.12	3/2/2016 17:58	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 17:58	J
Chromium	0.11	U	ug/L	1	2.0	0.11	3/2/2016 17:58	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 17:58	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/2/2016 17:58	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 17:58	J
Nickel	1.1		ug/L	1	0.80	0.11	3/2/2016 17:58	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/2/2016 17:58	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 17:58	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 17:58	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 17:58	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482005** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Keene Residence** Date Collected: 02/22/16 11:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/3/2016 19:15	T
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/3/2016 19:15	T
Tetrachloro-m-xylene (S)	73		%	1	64-150		3/3/2016 19:15	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 14:55	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 14:55	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 14:55	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 14:55	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 14:55	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 14:55	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 14:55	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 14:55	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 14:55	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 14:55	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 14:55	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 14:55	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 14:55	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 14:55	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 14:55	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 14:55	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 14:55	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 14:55	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 14:55	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 14:55	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 14:55	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 14:55	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 14:55	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 14:55	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 14:55	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 14:55	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 14:55	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 14:55	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 14:55	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 14:55	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482005** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Keene Residence** Date Collected: 02/22/16 11:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 14:55	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 14:55	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 14:55	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 14:55	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 14:55	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 14:55	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 14:55	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 14:55	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 14:55	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 14:55	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 14:55	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 14:55	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 14:55	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 14:55	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 14:55	T
1,2-Dichloroethane-d4 (S)	<b>108</b>	%	1		70-130		3/1/2016 14:55	
Toluene-d8 (S)	<b>104</b>	%	1		70-130		3/1/2016 14:55	
Bromofluorobenzene (S)	<b>106</b>	%	1		70-130		3/1/2016 14:55	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1								
Ammonia (N)	<b>0.20</b>	mg/L	1		0.10	0.02	3/1/2016 15:35	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C								
Total Dissolved Solids	<b>220</b>	mg/L	1.25		12	12	2/27/2016 13:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E								
Chloride	<b>16</b>	mg/L	1		5.0	2.6	2/25/2016 11:42	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F								
Nitrate	<b>0.18</b>	U	mg/L	1		0.20	0.18	2/23/2016 16:28	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482006** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Barnes Residence** Date Collected: 02/22/16 11:09

Sample Description: Location:

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

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

Conductivity	404	umhos/cm	1				2/22/2016 11:09
Dissolved Oxygen	2.08	mg/L	1				2/22/2016 11:09
Temperature	23.61	°C	1				2/22/2016 11:09
Turbidity	1.66	NTU	1				2/22/2016 11:09
pH	7.76	SU	1				2/22/2016 11:09

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 18:32	T
Iron	40	I	ug/L	1	100	21	3/1/2016 18:32	T
Sodium	16		mg/L	1	0.20	0.042	3/1/2016 18:32	T
Zinc	120		ug/L	1	10	2.0	3/1/2016 18:32	T

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/2/2016 18:01	J
Arsenic	0.11	I	ug/L	1	1.0	0.077	3/2/2016 18:01	J
Barium	5.0		ug/L	1	0.60	0.12	3/2/2016 18:01	J
Cadmium	0.031	I	ug/L	1	0.50	0.028	3/2/2016 18:01	J
Chromium	0.11	U	ug/L	1	2.0	0.11	3/2/2016 18:01	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 18:01	J
Copper	0.31	I	ug/L	1	0.70	0.11	3/2/2016 18:01	J
Lead	1.4		ug/L	1	0.70	0.24	3/2/2016 18:01	J
Nickel	0.14	I	ug/L	1	0.80	0.11	3/2/2016 18:01	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/2/2016 18:01	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 18:01	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 18:01	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 18:01	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482006** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Barnes Residence** Date Collected: 02/22/16 11:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	U	ug/L	1	0.021	0.010	3/3/2016 19:40	T
Ethylene Dibromide (EDB)	<b>0.0072</b>	U	ug/L	1	0.021	0.0072	3/3/2016 19:40	T
Tetrachloro-m-xylene (S)	123		%	1	64-150		3/3/2016 19:40	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 15:43	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 15:43	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 15:43	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 15:43	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 15:43	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 15:43	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 15:43	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 15:43	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 15:43	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 15:43	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 15:43	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 15:43	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 15:43	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 15:43	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 15:43	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 15:43	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 15:43	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 15:43	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 15:43	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 15:43	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 15:43	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 15:43	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 15:43	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 15:43	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 15:43	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 15:43	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 15:43	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 15:43	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 15:43	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 15:43	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482006** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Barnes Residence** Date Collected: 02/22/16 11:09

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 15:43	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 15:43	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 15:43	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 15:43	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 15:43	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 15:43	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 15:43	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 15:43	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 15:43	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 15:43	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 15:43	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 15:43	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 15:43	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 15:43	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 15:43	T
1,2-Dichloroethane-d4 (S)	<b>103</b>	%	1		70-130		3/1/2016 15:43	
Toluene-d8 (S)	<b>103</b>	%	1		70-130		3/1/2016 15:43	
Bromofluorobenzene (S)	<b>109</b>	%	1		70-130		3/1/2016 15:43	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.05</b>	I	mg/L	1	0.10	0.02	3/1/2016 15:35	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>210</b>		mg/L	1.25	12	12	2/27/2016 13:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>8.8</b>		mg/L	1	5.0	2.6	2/25/2016 11:42	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/23/2016 16:29	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482007** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Holland Residence** Date Collected: 02/22/16 10:33

Sample Description: Location:

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

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

Conductivity	<b>445</b>		umhos/cm	1			2/22/2016 10:33
Dissolved Oxygen	<b>0.18</b>		mg/L	1			2/22/2016 10:33
Temperature	<b>24.07</b>		°C	1			2/22/2016 10:33
Turbidity	<b>0.97</b>		NTU	1			2/22/2016 10:33
pH	<b>7.44</b>		SU	1			2/22/2016 10:33

### **METALS**

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

Beryllium	<b>0.11</b>	<b>U</b>	ug/L	1	0.60	0.11	3/1/2016 18:38	T
Iron	<b>1700</b>		ug/L	1	100	21	3/1/2016 18:38	T
Sodium	<b>5.9</b>		mg/L	1	0.20	0.042	3/1/2016 18:38	T
Zinc	<b>28</b>		ug/L	1	10	2.0	3/1/2016 18:38	T

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

Antimony	<b>0.046</b>	<b>U</b>	ug/L	1	0.70	0.046	3/2/2016 18:05	J
Arsenic	<b>0.24</b>	<b>I</b>	ug/L	1	1.0	0.077	3/2/2016 18:05	J
Barium	<b>4.4</b>		ug/L	1	0.60	0.12	3/2/2016 18:05	J
Cadmium	<b>0.028</b>	<b>U</b>	ug/L	1	0.50	0.028	3/2/2016 18:05	J
Chromium	<b>0.12</b>	<b>I</b>	ug/L	1	2.0	0.11	3/2/2016 18:05	J
Cobalt	<b>0.19</b>	<b>U</b>	ug/L	1	0.50	0.19	3/2/2016 18:05	J
Copper	<b>1.2</b>		ug/L	1	0.70	0.11	3/2/2016 18:05	J
Lead	<b>0.24</b>	<b>U</b>	ug/L	1	0.70	0.24	3/2/2016 18:05	J
Nickel	<b>6.4</b>		ug/L	1	0.80	0.11	3/2/2016 18:05	J
Selenium	<b>0.58</b>	<b>U</b>	ug/L	1	5.0	0.58	3/2/2016 18:05	J
Silver	<b>0.027</b>	<b>U</b>	ug/L	1	0.50	0.027	3/2/2016 18:05	J
Thallium	<b>0.057</b>	<b>U</b>	ug/L	1	0.20	0.057	3/2/2016 18:05	J
Vanadium	<b>0.71</b>	<b>U</b>	ug/L	1	2.0	0.71	3/2/2016 18:05	J

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

Mercury	<b>0.084</b>	<b>U</b>	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482007** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Holland Residence** Date Collected: 02/22/16 10:33

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	U	ug/L	1	0.021	0.010	3/3/2016 20:29	T
Ethylene Dibromide (EDB)	<b>0.0071</b>	U	ug/L	1	0.021	0.0071	3/3/2016 20:29	T
Tetrachloro-m-xylene (S)	<b>144</b>		%	1	64-150		3/3/2016 20:29	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 16:31	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 16:31	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 16:31	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 16:31	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 16:31	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 16:31	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 16:31	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 16:31	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 16:31	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 16:31	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 16:31	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 16:31	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 16:31	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 16:31	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 16:31	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 16:31	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 16:31	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 16:31	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 16:31	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 16:31	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 16:31	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 16:31	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 16:31	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 16:31	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 16:31	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 16:31	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 16:31	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 16:31	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 16:31	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 16:31	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482007** Date Received: 02/22/16 15:05 Matrix: Water  
 Sample ID: **Holland Residence** Date Collected: 02/22/16 10:33

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 16:31	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 16:31	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 16:31	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 16:31	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 16:31	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 16:31	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 16:31	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 16:31	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 16:31	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 16:31	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 16:31	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 16:31	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 16:31	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 16:31	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 16:31	T
1,2-Dichloroethane-d4 (S)	<b>104</b>	%		1	70-130		3/1/2016 16:31	
Toluene-d8 (S)	<b>103</b>	%		1	70-130		3/1/2016 16:31	
Bromofluorobenzene (S)	<b>107</b>	%		1	70-130		3/1/2016 16:31	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.04</b>	I	mg/L	1	0.10	0.02	3/1/2016 15:35	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>230</b>		mg/L	1.25	12	12	2/27/2016 13:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>21</b>		mg/L	1	5.0	2.6	2/25/2016 11:43	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/23/2016 16:30	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482008** Date Received: 02/22/16 15:05 Matrix: Water  
Sample ID: **Trip Blank** Date Collected: 02/22/16 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B Analysis, Water Preparation Method: SW-846 5030B														
Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.64	3/3/2016 16:41	T						
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	3/3/2016 16:41	T						
1,1,2,2-Tetrachloroethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	3/3/2016 16:41	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	3/3/2016 16:41	T						
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.86	3/3/2016 16:41	T						
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/3/2016 16:41	T						
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.58	3/3/2016 16:41	T						
1,2-Dibromo-3-Chloropropane	<b>0.25</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.25	3/3/2016 16:41	T						
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.63	3/3/2016 16:41	T						
1,2-Dichloroethane	<b>0.68</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.68	3/3/2016 16:41	T						
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/3/2016 16:41	T						
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.97	3/3/2016 16:41	T						
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.59	3/3/2016 16:41	T						
2-Hexanone	<b>0.99</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.99	3/3/2016 16:41	T						
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.93	3/3/2016 16:41	T						
Acetone	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/3/2016 16:41	T						
Acrylonitrile	<b>4.6</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	4.6	3/3/2016 16:41	T						
Benzene	<b>0.34</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.34	3/3/2016 16:41	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	3/3/2016 16:41	T						
Bromodichloromethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/3/2016 16:41	T						
Bromoform	<b>0.61</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.61	3/3/2016 16:41	T						
Bromomethane	<b>0.81</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.81	3/3/2016 16:41	T						
Carbon Disulfide	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/3/2016 16:41	T						
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.57	3/3/2016 16:41	T						
Chlorobenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/3/2016 16:41	T						
Chloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	3/3/2016 16:41	T						
Chloroform	<b>0.31</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.31	3/3/2016 16:41	T						
Chloromethane	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/3/2016 16:41	T						
Dibromochloromethane	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/3/2016 16:41	T						
Dibromomethane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/3/2016 16:41	T						
Ethylbenzene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	3/3/2016 16:41	T						
Ethylene Dibromide (EDB)	<b>0.67</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.67	3/3/2016 16:41	T						
Iodomethane (Methyl Iodide)	<b>0.65</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.65	3/3/2016 16:41	T						
Methylene Chloride	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/3/2016 16:41	T						
Styrene	<b>0.84</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.84	3/3/2016 16:41	T						
Tetrachloroethylene (PCE)	<b>0.52</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.52	3/3/2016 16:41	T						

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482008</b>	Date Received:	02/22/16 15:05	Matrix:	Water
Sample ID:	<b>Trip Blank</b>	Date Collected:	02/22/16 00:00		

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 16:41	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 16:41	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 16:41	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 16:41	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 16:41	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 16:41	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 16:41	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 16:41	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 16:41	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 16:41	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 16:41	T
1,2-Dichloroethane-d4 (S)	<b>111</b>	%		1	70-130		3/3/2016 16:41	
Toluene-d8 (S)	<b>104</b>	%		1	70-130		3/3/2016 16:41	
Bromofluorobenzene (S)	<b>110</b>	%		1	70-130		3/3/2016 16:41	

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482009** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-19** Date Collected: 02/23/16 14:52

Sample Description: Location:

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

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

Conductivity	446	umhos/cm	1				2/23/2016 14:52
Dissolved Oxygen	0.14	mg/L	1				2/23/2016 14:52
Temperature	23.46	°C	1				2/23/2016 14:52
Turbidity	0.63	NTU	1				2/23/2016 14:52
pH	7.26	SU	1				2/23/2016 14:52

### **METALS**

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

Beryllium	0.13	U	ug/L	1	0.30	0.13	3/1/2016 14:44	J
Iron	30	U	ug/L	1	200	30	3/1/2016 14:44	J
Sodium	13	mg/L		1	0.20	0.16	3/1/2016 14:44	J
Zinc	25	ug/L		1	10	2.0	3/1/2016 14:44	J

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/2/2016 18:08	J
Arsenic	0.077	U	ug/L	1	1.0	0.077	3/2/2016 18:08	J
Barium	5.4	ug/L		1	0.60	0.12	3/2/2016 18:08	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 18:08	J
Chromium	0.11	U	ug/L	1	2.0	0.11	3/2/2016 18:08	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 18:08	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/2/2016 18:08	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 18:08	J
Nickel	0.11	U	ug/L	1	0.80	0.11	3/2/2016 18:08	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/2/2016 18:08	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 18:08	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 18:08	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 18:08	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482009</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>TH-19</b>	Date Collected:	02/23/16 14:52		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>Analysis Desc: SW 8011 Analysis, Water</b>														
<b>Preparation Method: SW-846 8011</b>														
1,2-Dibromo-3-Chloropropane	<b>0.0095</b>	U	ug/L	1	0.020	0.0095	3/3/2016 20:54	T						
Ethylene Dibromide (EDB)	<b>0.0068</b>	U	ug/L	1	0.020	0.0068	3/3/2016 20:54	T						
Tetrachloro-m-xylene (S)	125		%	1	64-150		3/3/2016 20:54							

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 17:18	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 17:18	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 17:18	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 17:18	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 17:18	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 17:18	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 17:18	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 17:18	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 17:18	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 17:18	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 17:18	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 17:18	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 17:18	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 17:18	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 17:18	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 17:18	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 17:18	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 17:18	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 17:18	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 17:18	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 17:18	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 17:18	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 17:18	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 17:18	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 17:18	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 17:18	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 17:18	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 17:18	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 17:18	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 17:18	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482009</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>TH-19</b>	Date Collected:	02/23/16 14:52		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 17:18	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 17:18	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 17:18	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 17:18	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 17:18	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 17:18	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 17:18	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 17:18	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 17:18	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 17:18	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 17:18	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 17:18	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 17:18	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 17:18	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 17:18	T
1,2-Dichloroethane-d4 (S)	<b>105</b>	%	1		70-130		3/1/2016 17:18	
Toluene-d8 (S)	<b>104</b>	%	1		70-130		3/1/2016 17:18	
Bromofluorobenzene (S)	<b>107</b>	%	1		70-130		3/1/2016 17:18	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1								
Ammonia (N)	<b>0.22</b>	mg/L	1		0.10	0.02	3/7/2016 13:17	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C								
Total Dissolved Solids	<b>240</b>	mg/L	1.25		12	12	2/27/2016 13:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E								
Chloride	<b>9.1</b>	mg/L	1		5.0	2.6	2/25/2016 11:44	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F								
Nitrate	<b>0.18</b>	U	mg/L	1		0.20	0.18	2/24/2016 14:40	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482010** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **TH-71A** Date Collected: 02/23/16 14:12

Sample Description: Location:

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

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

Conductivity	<b>1335</b>		umhos/cm	<b>1</b>			2/23/2016 14:12
Dissolved Oxygen	<b>0.15</b>		mg/L	<b>1</b>			2/23/2016 14:12
Temperature	<b>24.64</b>		°C	<b>1</b>			2/23/2016 14:12
Turbidity	<b>2.87</b>		NTU	<b>1</b>			2/23/2016 14:12
pH	<b>6.1</b>		SU	<b>1</b>			2/23/2016 14:12

### **METALS**

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

Beryllium	<b>0.13</b>	<b>U</b>	ug/L	<b>1</b>	0.30	0.13	3/1/2016 14:49	J
Iron	<b>27000</b>		ug/L	<b>1</b>	200	30	3/1/2016 14:49	J
Sodium	<b>31</b>		mg/L	<b>1</b>	0.20	0.16	3/1/2016 14:49	J
Zinc	<b>12</b>		ug/L	<b>1</b>	10	2.0	3/1/2016 14:49	J

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

Antimony	<b>0.087</b>	<b>I</b>	ug/L	<b>1</b>	0.70	0.046	3/2/2016 18:12	J
Arsenic	<b>2.6</b>		ug/L	<b>1</b>	1.0	0.077	3/2/2016 18:12	J
Barium	<b>13</b>		ug/L	<b>1</b>	0.60	0.12	3/2/2016 18:12	J
Cadmium	<b>0.028</b>	<b>U</b>	ug/L	<b>1</b>	0.50	0.028	3/2/2016 18:12	J
Chromium	<b>0.56</b>	<b>I</b>	ug/L	<b>1</b>	2.0	0.11	3/2/2016 18:12	J
Cobalt	<b>0.29</b>	<b>I</b>	ug/L	<b>1</b>	0.50	0.19	3/2/2016 18:12	J
Copper	<b>0.11</b>	<b>U</b>	ug/L	<b>1</b>	0.70	0.11	3/2/2016 18:12	J
Lead	<b>0.24</b>	<b>U</b>	ug/L	<b>1</b>	0.70	0.24	3/2/2016 18:12	J
Nickel	<b>1.6</b>		ug/L	<b>1</b>	0.80	0.11	3/2/2016 18:12	J
Selenium	<b>3.0</b>	<b>I</b>	ug/L	<b>1</b>	5.0	0.58	3/2/2016 18:12	J
Silver	<b>0.027</b>	<b>U</b>	ug/L	<b>1</b>	0.50	0.027	3/2/2016 18:12	J
Thallium	<b>0.057</b>	<b>U</b>	ug/L	<b>1</b>	0.20	0.057	3/2/2016 18:12	J
Vanadium	<b>2.4</b>		ug/L	<b>1</b>	2.0	0.71	3/2/2016 18:12	J

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

Mercury	<b>0.084</b>	<b>U</b>	ug/L	<b>1</b>	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482010** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-71A** Date Collected: 02/23/16 14:12

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	U	ug/L	1	0.021	0.010	3/3/2016 21:19	T
Ethylene Dibromide (EDB)	<b>0.0072</b>	U	ug/L	1	0.021	0.0072	3/3/2016 21:19	T
Tetrachloro-m-xylene (S)	136		%	1	64-150		3/3/2016 21:19	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 18:06	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 18:06	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 18:06	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 18:06	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 18:06	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 18:06	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 18:06	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 18:06	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 18:06	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 18:06	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 18:06	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 18:06	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 18:06	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 18:06	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 18:06	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 18:06	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 18:06	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 18:06	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 18:06	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 18:06	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 18:06	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 18:06	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 18:06	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 18:06	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 18:06	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 18:06	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 18:06	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 18:06	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 18:06	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 18:06	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482010** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-71A** Date Collected: 02/23/16 14:12

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 18:06	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 18:06	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 18:06	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 18:06	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 18:06	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 18:06	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 18:06	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 18:06	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 18:06	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 18:06	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 18:06	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 18:06	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 18:06	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 18:06	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 18:06	T
1,2-Dichloroethane-d4 (S)	<b>104</b>	%	1	70-130			3/1/2016 18:06	
Toluene-d8 (S)	<b>101</b>	%	1	70-130			3/1/2016 18:06	
Bromofluorobenzene (S)	<b>108</b>	%	1	70-130			3/1/2016 18:06	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>2.1</b>	mg/L	1	0.10	0.02	3/7/2016 13:17	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>660</b>	mg/L	1.25	12	12	2/27/2016 13:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>210</b>	mg/L	5	25	13	2/25/2016 12:07	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/24/2016 14:41	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482011** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **TH-57** Date Collected: 02/23/16 13:14

Sample Description: Location:

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

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

Conductivity	<b>290</b>		umhos/cm	1			2/23/2016 13:14
Dissolved Oxygen	<b>0.11</b>		mg/L	1			2/23/2016 13:14
Temperature	<b>27.51</b>		°C	1			2/23/2016 13:14
Turbidity	<b>0.51</b>		NTU	1			2/23/2016 13:14
pH	<b>5.03</b>		SU	1			2/23/2016 13:14

### **METALS**

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

Beryllium	<b>0.13</b>	<b>U</b>	ug/L	1	0.30	0.13	3/1/2016 14:53	J
Iron	<b>470</b>		ug/L	1	200	30	3/1/2016 14:53	J
Sodium	<b>13</b>		mg/L	1	0.20	0.16	3/1/2016 14:53	J
Zinc	<b>23</b>		ug/L	1	10	2.0	3/1/2016 14:53	J

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

Antimony	<b>0.046</b>	<b>U</b>	ug/L	1	0.70	0.046	3/2/2016 18:15	J
Arsenic	<b>0.16</b>	<b>I</b>	ug/L	1	1.0	0.077	3/2/2016 18:15	J
Barium	<b>11</b>		ug/L	1	0.60	0.12	3/2/2016 18:15	J
Cadmium	<b>0.028</b>	<b>U</b>	ug/L	1	0.50	0.028	3/2/2016 18:15	J
Chromium	<b>0.50</b>	<b>I</b>	ug/L	1	2.0	0.11	3/2/2016 18:15	J
Cobalt	<b>0.19</b>	<b>U</b>	ug/L	1	0.50	0.19	3/2/2016 18:15	J
Copper	<b>0.11</b>	<b>U</b>	ug/L	1	0.70	0.11	3/2/2016 18:15	J
Lead	<b>0.24</b>	<b>U</b>	ug/L	1	0.70	0.24	3/2/2016 18:15	J
Nickel	<b>0.11</b>	<b>U</b>	ug/L	1	0.80	0.11	3/2/2016 18:15	J
Selenium	<b>0.94</b>	<b>I</b>	ug/L	1	5.0	0.58	3/2/2016 18:15	J
Silver	<b>0.027</b>	<b>U</b>	ug/L	1	0.50	0.027	3/2/2016 18:15	J
Thallium	<b>0.057</b>	<b>U</b>	ug/L	1	0.20	0.057	3/2/2016 18:15	J
Vanadium	<b>0.93</b>	<b>I</b>	ug/L	1	2.0	0.71	3/2/2016 18:15	J

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

Mercury	<b>0.084</b>	<b>U</b>	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482011** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-57** Date Collected: 02/23/16 13:14

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	U	ug/L	1	0.021	0.010	3/3/2016 21:44	T
Ethylene Dibromide (EDB)	<b>0.0071</b>	U	ug/L	1	0.021	0.0071	3/3/2016 21:44	T
Tetrachloro-m-xylene (S)	<b>107</b>		%	1	64-150		3/3/2016 21:44	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 18:54	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 18:54	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 18:54	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 18:54	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 18:54	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 18:54	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 18:54	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 18:54	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 18:54	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 18:54	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 18:54	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 18:54	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 18:54	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 18:54	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 18:54	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 18:54	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 18:54	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 18:54	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 18:54	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 18:54	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 18:54	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 18:54	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 18:54	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 18:54	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 18:54	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 18:54	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 18:54	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 18:54	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 18:54	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 18:54	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482011</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>TH-57</b>	Date Collected:	02/23/16 13:14		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 18:54
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 18:54
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 18:54
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 18:54
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 18:54
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 18:54
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 18:54
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 18:54
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 18:54
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 18:54
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 18:54
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 18:54
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 18:54
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 18:54
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 18:54
1,2-Dichloroethane-d4 (S)	<b>106</b>	%		1	70-130		3/1/2016 18:54
Toluene-d8 (S)	<b>101</b>	%		1	70-130		3/1/2016 18:54
Bromofluorobenzene (S)	<b>109</b>	%		1	70-130		3/1/2016 18:54

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1					
Ammonia (N)	<b>1.0</b>	mg/L	1	0.10	0.02	3/7/2016 13:17
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C					
Total Dissolved Solids	<b>170</b>	mg/L	1.25	12	12	2/27/2016 13:30
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E					
Chloride	<b>64</b>	mg/L	1	5.0	2.6	2/25/2016 11:45
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F					
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18
						2/24/2016 14:42
						T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482012** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **TH-72** Date Collected: 02/23/16 12:38

Sample Description: Location:

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

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

Conductivity	2224	umhos/cm	1			2/23/2016 12:38
Dissolved Oxygen	0.22	mg/L	1			2/23/2016 12:38
Temperature	23.55	°C	1			2/23/2016 12:38
Turbidity	0.56	NTU	1			2/23/2016 12:38
pH	6.54	SU	1			2/23/2016 12:38

### **METALS**

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

Beryllium	0.13	U	ug/L	1	0.30	0.13	3/1/2016 14:57	J
Iron	780		ug/L	1	200	30	3/1/2016 14:57	J
Sodium	160		mg/L	1	0.20	0.16	3/1/2016 14:57	J
Zinc	27		ug/L	1	10	2.0	3/1/2016 14:57	J

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

Antimony	0.056	I	ug/L	1	0.70	0.046	3/2/2016 18:19	J
Arsenic	0.24	I	ug/L	1	1.0	0.077	3/2/2016 18:19	J
Barium	39		ug/L	1	0.60	0.12	3/2/2016 18:19	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 18:19	J
Chromium	0.62	I	ug/L	1	2.0	0.11	3/2/2016 18:19	J
Cobalt	0.22	I	ug/L	1	0.50	0.19	3/2/2016 18:19	J
Copper	0.48	I	ug/L	1	0.70	0.11	3/2/2016 18:19	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 18:19	J
Nickel	2.4		ug/L	1	0.80	0.11	3/2/2016 18:19	J
Selenium	7.6		ug/L	1	5.0	0.58	3/2/2016 18:19	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 18:19	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 18:19	J
Vanadium	0.80	I	ug/L	1	2.0	0.71	3/2/2016 18:19	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482012** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **TH-72** Date Collected: 02/23/16 12:38

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW 8011 Analysis, Water		Preparation Method: SW-846 8011						
Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	U	ug/L	1	0.020	0.0097	3/3/2016 22:09	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/3/2016 22:09	T
Tetrachloro-m-xylene (S)	113		%	1	64-150		3/3/2016 22:09	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/1/2016 22:05	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/1/2016 22:05	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/1/2016 22:05	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 22:05	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/1/2016 22:05	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 22:05	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/1/2016 22:05	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/1/2016 22:05	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/1/2016 22:05	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 22:05	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/1/2016 22:05	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/1/2016 22:05	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/1/2016 22:05	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/1/2016 22:05	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 22:05	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/1/2016 22:05	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/1/2016 22:05	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/1/2016 22:05	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 22:05	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/1/2016 22:05	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/1/2016 22:05	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/1/2016 22:05	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/1/2016 22:05	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 22:05	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/1/2016 22:05	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/1/2016 22:05	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/1/2016 22:05	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/1/2016 22:05	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/1/2016 22:05	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/1/2016 22:05	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482012</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>TH-72</b>	Date Collected:	02/23/16 12:38		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Lab
					PQL	MDL	
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/1/2016 22:05
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/1/2016 22:05
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 22:05
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/1/2016 22:05
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/1/2016 22:05
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/1/2016 22:05
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/1/2016 22:05
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/1/2016 22:05
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/1/2016 22:05
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/1/2016 22:05
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/1/2016 22:05
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/1/2016 22:05
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/1/2016 22:05
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/1/2016 22:05
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/1/2016 22:05
1,2-Dichloroethane-d4 (S)	<b>112</b>	%		1	70-130		3/1/2016 22:05
Toluene-d8 (S)	<b>104</b>	%		1	70-130		3/1/2016 22:05
Bromofluorobenzene (S)	<b>110</b>	%		1	70-130		3/1/2016 22:05

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1					
Ammonia (N)	<b>16</b>	mg/L	<b>10</b>		1.00	0.25 3/7/2016 13:17 T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C					
Total Dissolved Solids	<b>1100</b>	mg/L	<b>1.25</b>		12	12 2/27/2016 13:30 T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E					
Chloride	<b>440</b>	mg/L	<b>5</b>		25	13 2/25/2016 12:09 T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F					
Nitrate	<b>0.18</b>	U	mg/L	<b>1</b>	0.20	0.18 2/24/2016 14:43 T

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Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482013** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **TH-78** Date Collected: 02/23/16 11:25

Sample Description: Location:

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

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

Conductivity	551	umhos/cm	1				2/23/2016 11:25
Dissolved Oxygen	0.11	mg/L	1				2/23/2016 11:25
Temperature	23.18	°C	1				2/23/2016 11:25
Turbidity	1.26	NTU	1				2/23/2016 11:25
pH	8	SU	1				2/23/2016 11:25

### **METALS**

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

Beryllium	0.13	U	ug/L	1	0.30	0.13	3/1/2016 15:02	J
Iron	210		ug/L	1	200	30	3/1/2016 15:02	J
Sodium	31		mg/L	1	0.20	0.16	3/1/2016 15:02	J
Zinc	26		ug/L	1	10	2.0	3/1/2016 15:02	J

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/2/2016 18:22	J
Arsenic	0.17	I	ug/L	1	1.0	0.077	3/2/2016 18:22	J
Barium	83		ug/L	1	0.60	0.12	3/2/2016 18:22	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 18:22	J
Chromium	0.23	I	ug/L	1	2.0	0.11	3/2/2016 18:22	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 18:22	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/2/2016 18:22	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 18:22	J
Nickel	0.21	I	ug/L	1	0.80	0.11	3/2/2016 18:22	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/2/2016 18:22	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 18:22	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 18:22	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 18:22	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482013** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-78** Date Collected: 02/23/16 11:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/3/2016 22:34	T
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/3/2016 22:34	T
Tetrachloro-m-xylene (S)	<b>110</b>		%	1	64-150		3/3/2016 22:34	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/3/2016 14:29	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/3/2016 14:29	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/3/2016 14:29	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 14:29	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/3/2016 14:29	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 14:29	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/3/2016 14:29	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/3/2016 14:29	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/3/2016 14:29	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 14:29	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/3/2016 14:29	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/3/2016 14:29	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/3/2016 14:29	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/3/2016 14:29	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 14:29	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/3/2016 14:29	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/3/2016 14:29	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/3/2016 14:29	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 14:29	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/3/2016 14:29	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/3/2016 14:29	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 14:29	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/3/2016 14:29	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 14:29	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/3/2016 14:29	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/3/2016 14:29	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 14:29	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 14:29	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 14:29	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 14:29	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482013</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>TH-78</b>	Date Collected:	02/23/16 11:25		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 14:29	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 14:29	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 14:29	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/3/2016 14:29	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 14:29	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 14:29	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 14:29	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 14:29	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 14:29	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 14:29	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 14:29	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 14:29	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 14:29	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 14:29	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 14:29	T
1,2-Dichloroethane-d4 (S)	<b>105</b>	%		1	70-130		3/3/2016 14:29	
Toluene-d8 (S)	<b>101</b>	%		1	70-130		3/3/2016 14:29	
Bromofluorobenzene (S)	<b>107</b>	%		1	70-130		3/3/2016 14:29	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.15</b>	mg/L	1		0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>300</b>	mg/L	1.25		12	12	2/27/2016 13:30	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>35</b>	mg/L	1		5.0	2.6	2/25/2016 11:50	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/24/2016 14:44	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482014** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-40** Date Collected: 02/23/16 10:10

Sample Description: Location:

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

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

Conductivity	410	umhos/cm	1				2/23/2016 10:10
Dissolved Oxygen	0.21	mg/L	1				2/23/2016 10:10
Temperature	23.53	°C	1				2/23/2016 10:10
Turbidity	0.57	NTU	1				2/23/2016 10:10
pH	7.46	SU	1				2/23/2016 10:10

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 19:39	T
Iron	36	I	ug/L	1	100	21	3/1/2016 19:39	T
Sodium	17		mg/L	1	0.20	0.042	3/1/2016 19:39	T
Zinc	7.4	I	ug/L	1	10	2.0	3/1/2016 19:39	T

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/2/2016 18:26	J
Arsenic	0.077	U	ug/L	1	1.0	0.077	3/2/2016 18:26	J
Barium	5.7		ug/L	1	0.60	0.12	3/2/2016 18:26	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/2/2016 18:26	J
Chromium	0.13	I	ug/L	1	2.0	0.11	3/2/2016 18:26	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/2/2016 18:26	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/2/2016 18:26	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/2/2016 18:26	J
Nickel	0.22	I	ug/L	1	0.80	0.11	3/2/2016 18:26	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/2/2016 18:26	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/2/2016 18:26	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/2/2016 18:26	J
Vanadium	0.71	U	ug/L	1	2.0	0.71	3/2/2016 18:26	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482014** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-40** Date Collected: 02/23/16 10:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	U	ug/L	1	0.020	0.0097	3/3/2016 22:59	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/3/2016 22:59	T
Tetrachloro-m-xylene (S)	120		%	1	64-150		3/3/2016 22:59	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/3/2016 17:28	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/3/2016 17:28	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/3/2016 17:28	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 17:28	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/3/2016 17:28	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 17:28	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/3/2016 17:28	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/3/2016 17:28	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/3/2016 17:28	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 17:28	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/3/2016 17:28	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/3/2016 17:28	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/3/2016 17:28	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/3/2016 17:28	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 17:28	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/3/2016 17:28	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/3/2016 17:28	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/3/2016 17:28	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 17:28	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/3/2016 17:28	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/3/2016 17:28	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 17:28	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/3/2016 17:28	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 17:28	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/3/2016 17:28	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/3/2016 17:28	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 17:28	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 17:28	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 17:28	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 17:28	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482014** Date Received: 02/23/16 15:50 Matrix: Water  
 Sample ID: **TH-40** Date Collected: 02/23/16 10:10

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 17:28	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 17:28	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 17:28	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/3/2016 17:28	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 17:28	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 17:28	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 17:28	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 17:28	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 17:28	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 17:28	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 17:28	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 17:28	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 17:28	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 17:28	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 17:28	T
1,2-Dichloroethane-d4 (S)	<b>106</b>	%		1	70-130		3/3/2016 17:28	
Toluene-d8 (S)	<b>99</b>	%		1	70-130		3/3/2016 17:28	
Bromofluorobenzene (S)	<b>104</b>	%		1	70-130		3/3/2016 17:28	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.35</b>	mg/L	1	0.10	0.02	3/7/2016 13:17	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>230</b>	mg/L	1.25	12	12	2/27/2016 13:30	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>14</b>	mg/L	1	5.0	2.6	2/25/2016 11:51	T	
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/24/2016 14:45	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482015** Date Received: 02/23/16 15:50 Matrix: Water  
Sample ID: **Trip Blank** Date Collected: 02/23/16 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B Analysis, Water Preparation Method: SW-846 5030B														
Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.64	3/3/2016 18:16	T						
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	3/3/2016 18:16	T						
1,1,2,2-Tetrachloroethane	<b>0.41</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.41	3/3/2016 18:16	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	3/3/2016 18:16	T						
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.86	3/3/2016 18:16	T						
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/3/2016 18:16	T						
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.58	3/3/2016 18:16	T						
1,2-Dibromo-3-Chloropropane	<b>0.25</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.25	3/3/2016 18:16	T						
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.63	3/3/2016 18:16	T						
1,2-Dichloroethane	<b>0.68</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.68	3/3/2016 18:16	T						
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/3/2016 18:16	T						
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.97	3/3/2016 18:16	T						
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.59	3/3/2016 18:16	T						
2-Hexanone	<b>0.99</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.99	3/3/2016 18:16	T						
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.93	3/3/2016 18:16	T						
Acetone	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/3/2016 18:16	T						
Acrylonitrile	<b>4.6</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	4.6	3/3/2016 18:16	T						
Benzene	<b>0.34</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.34	3/3/2016 18:16	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	3/3/2016 18:16	T						
Bromodichloromethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/3/2016 18:16	T						
Bromoform	<b>0.61</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.61	3/3/2016 18:16	T						
Bromomethane	<b>0.81</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.81	3/3/2016 18:16	T						
Carbon Disulfide	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/3/2016 18:16	T						
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.57	3/3/2016 18:16	T						
Chlorobenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/3/2016 18:16	T						
Chloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	3/3/2016 18:16	T						
Chloroform	<b>0.31</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.31	3/3/2016 18:16	T						
Chloromethane	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/3/2016 18:16	T						
Dibromochloromethane	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/3/2016 18:16	T						
Dibromomethane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/3/2016 18:16	T						
Ethylbenzene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	3/3/2016 18:16	T						
Ethylene Dibromide (EDB)	<b>0.67</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.67	3/3/2016 18:16	T						
Iodomethane (Methyl Iodide)	<b>0.65</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.65	3/3/2016 18:16	T						
Methylene Chloride	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/3/2016 18:16	T						
Styrene	<b>0.84</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.84	3/3/2016 18:16	T						
Tetrachloroethylene (PCE)	<b>0.52</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.52	3/3/2016 18:16	T						

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482015</b>	Date Received:	02/23/16 15:50	Matrix:	Water
Sample ID:	<b>Trip Blank</b>	Date Collected:	02/23/16 00:00		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 18:16	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 18:16	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 18:16	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 18:16	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 18:16	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 18:16	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 18:16	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 18:16	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 18:16	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 18:16	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 18:16	T
1,2-Dichloroethane-d4 (S)	<b>107</b>	%		1	70-130		3/3/2016 18:16	
Toluene-d8 (S)	<b>101</b>	%		1	70-130		3/3/2016 18:16	
Bromofluorobenzene (S)	<b>109</b>	%		1	70-130		3/3/2016 18:16	

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Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482016** Date Received: 02/24/16 15:40 Matrix: Water  
Sample ID: **TH-66** Date Collected: 02/24/16 14:41

Sample Description: Location:

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

Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements						
Conductivity	309		umhos/cm	1			2/24/2016 14:41
Dissolved Oxygen	0.14		mg/L	1			2/24/2016 14:41
Temperature	23		°C	1			2/24/2016 14:41
Turbidity	0.86		NTU	1			2/24/2016 14:41
pH	5.96		SU	1			2/24/2016 14:41

Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C						
Total Dissolved Solids	160		mg/L	1.25	12	12	3/2/2016 08:04 T

### METALS

Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010						
Beryllium	0.17	I	ug/L	1	0.60	0.11	3/1/2016 20:40 T
Iron	2800		ug/L	1	100	21	3/1/2016 20:40 T
Sodium	6.0		mg/L	1	0.20	0.042	3/1/2016 20:40 T
Zinc	6.8	I	ug/L	1	10	2.0	3/1/2016 20:40 T

Analysis Desc: SW846 6020B Analysis,Total	Preparation Method: SW-846 3010A Analytical Method: SW-846 6020						
Antimony	0.52	I	ug/L	1	1.4	0.091	3/3/2016 18:23 J
Arsenic	2.5		ug/L	1	2.0	0.15	3/3/2016 18:23 J
Barium	1.7		ug/L	1	1.2	0.25	3/3/2016 18:23 J
Cadmium	0.11	I	ug/L	1	1.0	0.056	3/3/2016 18:23 J
Chromium	0.85	I	ug/L	1	4.0	0.21	3/3/2016 18:23 J
Cobalt	0.38	U	ug/L	1	1.0	0.38	3/3/2016 18:23 J
Copper	0.22	U	ug/L	1	1.4	0.22	3/3/2016 18:23 J
Lead	0.48	U	ug/L	1	1.4	0.48	3/3/2016 18:23 J
Nickel	0.30	I	ug/L	1	1.6	0.22	3/3/2016 18:23 J
Selenium	1.2	U	ug/L	1	10	1.2	3/3/2016 18:23 J
Silver	0.12	I	ug/L	1	1.0	0.054	3/3/2016 18:23 J
Thallium	0.15	I	ug/L	1	0.40	0.11	3/3/2016 18:23 J
Vanadium	1.6	I	ug/L	1	4.0	1.4	3/3/2016 18:23 J

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

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482016** Date Received: 02/24/16 15:40 Matrix: Water  
 Sample ID: **TH-66** Date Collected: 02/24/16 14:41

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Mercury	<b>0.084</b>	U	ug/L	1		0.10	0.084	3/7/2016 15:58 T

### SEMIVOLATILES

Analysis Desc: SW 8011 Analysis, Water	Preparation Method: SW-846 8011							
	Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	<b>0.0099</b>	U	ug/L	1		0.020	0.0099	3/3/2016 23:23 T
Ethylene Dibromide (EDB)	<b>0.0071</b>	U	ug/L	1		0.020	0.0071	3/3/2016 23:23 T
Tetrachloro-m-xylene (S)	<b>139</b>		%	1		64-150		3/3/2016 23:23

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1		1.0	0.64	3/3/2016 19:04 T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1		1.0	0.44	3/3/2016 19:04 T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1		1.0	0.41	3/3/2016 19:04 T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1		1.0	0.40	3/3/2016 19:04 T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1		1.0	0.86	3/3/2016 19:04 T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1		1.0	0.70	3/3/2016 19:04 T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1		1.0	0.58	3/3/2016 19:04 T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1		1.0	0.63	3/3/2016 19:04 T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1		1.0	0.68	3/3/2016 19:04 T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1		1.0	0.76	3/3/2016 19:04 T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1		1.0	0.97	3/3/2016 19:04 T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1		1.0	0.59	3/3/2016 19:04 T
2-Hexanone	<b>0.99</b>	U	ug/L	1		1.0	0.99	3/3/2016 19:04 T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1		1.0	0.93	3/3/2016 19:04 T
Acetone	<b>1.0</b>	U	ug/L	1		1.0	1.0	3/3/2016 19:04 T
Acrylonitrile	<b>4.6</b>	U	ug/L	1		5.0	4.6	3/3/2016 19:04 T
Benzene	<b>0.34</b>	U	ug/L	1		1.0	0.34	3/3/2016 19:04 T
Bromochloromethane	<b>0.33</b>	U	ug/L	1		1.0	0.33	3/3/2016 19:04 T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1		1.0	0.49	3/3/2016 19:04 T
Bromoform	<b>0.61</b>	U	ug/L	1		1.0	0.61	3/3/2016 19:04 T
Bromomethane	<b>0.81</b>	U	ug/L	1		1.0	0.81	3/3/2016 19:04 T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1		1.0	0.49	3/3/2016 19:04 T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1		1.0	0.57	3/3/2016 19:04 T
Chlorobenzene	<b>0.56</b>	U	ug/L	1		1.0	0.56	3/3/2016 19:04 T
Chloroethane	<b>0.38</b>	U	ug/L	1		1.0	0.38	3/3/2016 19:04 T
Chloroform	<b>0.31</b>	U	ug/L	1		1.0	0.31	3/3/2016 19:04 T
Chloromethane	<b>0.70</b>	U	ug/L	1		1.0	0.70	3/3/2016 19:04 T

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Environmental Laboratories, Inc.**

Advanced Environmental Laboratories, Inc.  
9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482016</b>	Date Received:	02/24/16 15:40	Matrix:	Water
Sample ID:	<b>TH-66</b>	Date Collected:	02/24/16 14:41		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 19:04	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 19:04	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 19:04	T
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 19:04	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 19:04	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 19:04	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/3/2016 19:04	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 19:04	T
Trichloroethylene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 19:04	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 19:04	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 19:04	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 19:04	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 19:04	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 19:04	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 19:04	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 19:04	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 19:04	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 19:04	T
1,2-Dichloroethane-d4 (S)	<b>105</b>	%	1		70-130		3/3/2016 19:04	
Toluene-d8 (S)	<b>99</b>	%	1		70-130		3/3/2016 19:04	
Bromofluorobenzene (S)	<b>108</b>	%	1		70-130		3/3/2016 19:04	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1						
Ammonia (N)	<b>0.52</b>	mg/L	1		0.10	0.02	3/7/2016 13:17
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E						
Chloride	<b>12</b>	mg/L	1		5.0	2.6	2/25/2016 11:52
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F						
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/25/2016 16:15

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482017** Date Received: 02/24/16 15:40 Matrix: Water  
Sample ID: **TH-58** Date Collected: 02/24/16 11:15

Sample Description: Location:

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

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

Conductivity	424	umhos/cm	1				2/24/2016 11:15
Dissolved Oxygen	0.4	mg/L	1				2/24/2016 11:15
Temperature	26.4	°C	1				2/24/2016 11:15
Turbidity	2.12	NTU	1				2/24/2016 11:15
pH	5.65	SU	1				2/24/2016 11:15

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 20:45	T
Iron	3700		ug/L	1	100	21	3/1/2016 20:45	T
Sodium	13		mg/L	1	0.20	0.042	3/1/2016 20:45	T
Zinc	7.2	I	ug/L	1	10	2.0	3/1/2016 20:45	T

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

Antimony	0.22	I	ug/L	1	0.70	0.046	3/3/2016 18:48	J
Arsenic	24		ug/L	1	1.0	0.077	3/3/2016 18:48	J
Barium	16		ug/L	1	0.60	0.12	3/3/2016 18:48	J
Cadmium	0.088	I	ug/L	1	0.50	0.028	3/3/2016 18:48	J
Chromium	1.8	I	ug/L	1	2.0	0.11	3/3/2016 18:48	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 18:48	J
Copper	0.24	I	ug/L	1	0.70	0.11	3/3/2016 18:48	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 18:48	J
Nickel	0.41	I	ug/L	1	0.80	0.11	3/3/2016 18:48	J
Selenium	1.6	I	ug/L	1	5.0	0.58	3/3/2016 18:48	J
Silver	0.12	I	ug/L	1	0.50	0.027	3/3/2016 18:48	J
Thallium	0.30		ug/L	1	0.20	0.057	3/3/2016 18:48	J
Vanadium	6.9		ug/L	1	2.0	0.71	3/3/2016 18:48	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482017** Date Received: 02/24/16 15:40 Matrix: Water  
 Sample ID: **TH-58** Date Collected: 02/24/16 11:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0099</b>	U	ug/L	1	0.020	0.0099	3/3/2016 23:48	T
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/3/2016 23:48	T
Tetrachloro-m-xylene (S)	<b>82</b>		%	1	64-150		3/3/2016 23:48	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/3/2016 19:52	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/3/2016 19:52	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/3/2016 19:52	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 19:52	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/3/2016 19:52	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 19:52	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/3/2016 19:52	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/3/2016 19:52	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/3/2016 19:52	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 19:52	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/3/2016 19:52	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/3/2016 19:52	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/3/2016 19:52	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/3/2016 19:52	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 19:52	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/3/2016 19:52	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/3/2016 19:52	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/3/2016 19:52	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 19:52	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/3/2016 19:52	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/3/2016 19:52	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 19:52	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/3/2016 19:52	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 19:52	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/3/2016 19:52	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/3/2016 19:52	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 19:52	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 19:52	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 19:52	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 19:52	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482017** Date Received: 02/24/16 15:40 Matrix: Water  
 Sample ID: **TH-58** Date Collected: 02/24/16 11:15

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 19:52	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 19:52	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 19:52	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/3/2016 19:52	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 19:52	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 19:52	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 19:52	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 19:52	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 19:52	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 19:52	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 19:52	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 19:52	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 19:52	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 19:52	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 19:52	T
1,2-Dichloroethane-d4 (S)	<b>107</b>	%	1		70-130		3/3/2016 19:52	
Toluene-d8 (S)	<b>102</b>	%	1		70-130		3/3/2016 19:52	
Bromofluorobenzene (S)	<b>108</b>	%	1		70-130		3/3/2016 19:52	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>1.3</b>	mg/L	1		0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>220</b>	mg/L	1.25		12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>29</b>	mg/L	1		5.0	2.6	2/25/2016 11:52	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F							
Nitrate	<b>0.18</b>	U	mg/L	1	0.20	0.18	2/25/2016 16:16	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482018** Date Received: 02/24/16 15:40 Matrix: Water  
Sample ID: **TH-28A** Date Collected: 02/24/16 10:44

Sample Description: Location:

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

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

Conductivity	371	umhos/cm	1			2/24/2016 10:44	
Dissolved Oxygen	0.48	mg/L	1			2/24/2016 10:44	
Temperature	26.72	°C	1			2/24/2016 10:44	
Turbidity	0.77	NTU	1			2/24/2016 10:44	
pH	5	SU	1			2/24/2016 10:44	

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/1/2016 20:50	T
Iron	4400		ug/L	1	100	21	3/1/2016 20:50	T
Sodium	23		mg/L	1	0.20	0.042	3/1/2016 20:50	T
Zinc	9.0	I	ug/L	1	10	2.0	3/1/2016 20:50	T

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/3/2016 18:51	J
Arsenic	1.6		ug/L	1	1.0	0.077	3/3/2016 18:51	J
Barium	1.6		ug/L	1	0.60	0.12	3/3/2016 18:51	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/3/2016 18:51	J
Chromium	0.95	I	ug/L	1	2.0	0.11	3/3/2016 18:51	J
Cobalt	0.51		ug/L	1	0.50	0.19	3/3/2016 18:51	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/3/2016 18:51	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 18:51	J
Nickel	0.42	I	ug/L	1	0.80	0.11	3/3/2016 18:51	J
Selenium	1.2	I	ug/L	1	5.0	0.58	3/3/2016 18:51	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 18:51	J
Thallium	0.10	I	ug/L	1	0.20	0.057	3/3/2016 18:51	J
Vanadium	1.3	I	ug/L	1	2.0	0.71	3/3/2016 18:51	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482018** Date Received: 02/24/16 15:40 Matrix: Water  
 Sample ID: **TH-28A** Date Collected: 02/24/16 10:44

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/4/2016 00:13	T
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/4/2016 00:13	T
Tetrachloro-m-xylene (S)	127		%	1	64-150		3/4/2016 00:13	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/3/2016 20:40	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/3/2016 20:40	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/3/2016 20:40	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 20:40	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/3/2016 20:40	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 20:40	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/3/2016 20:40	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/3/2016 20:40	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/3/2016 20:40	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 20:40	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/3/2016 20:40	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/3/2016 20:40	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/3/2016 20:40	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/3/2016 20:40	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 20:40	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/3/2016 20:40	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/3/2016 20:40	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/3/2016 20:40	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 20:40	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/3/2016 20:40	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/3/2016 20:40	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/3/2016 20:40	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/3/2016 20:40	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 20:40	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/3/2016 20:40	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/3/2016 20:40	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/3/2016 20:40	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/3/2016 20:40	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/3/2016 20:40	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/3/2016 20:40	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482018</b>	Date Received:	02/24/16 15:40	Matrix:	Water
Sample ID:	<b>TH-28A</b>	Date Collected:	02/24/16 10:44		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/3/2016 20:40	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/3/2016 20:40	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 20:40	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/3/2016 20:40	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/3/2016 20:40	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/3/2016 20:40	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/3/2016 20:40	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/3/2016 20:40	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/3/2016 20:40	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/3/2016 20:40	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/3/2016 20:40	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/3/2016 20:40	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/3/2016 20:40	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/3/2016 20:40	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/3/2016 20:40	T
1,2-Dichloroethane-d4 (S)	<b>103</b>	%		1	70-130		3/3/2016 20:40	
Toluene-d8 (S)	<b>104</b>	%		1	70-130		3/3/2016 20:40	
Bromofluorobenzene (S)	<b>108</b>	%		1	70-130		3/3/2016 20:40	

### **WET CHEMISTRY**

Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1								
Ammonia (N)	<b>2.1</b>	mg/L	1		0.10	0.02	3/7/2016 13:17	T	
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C								
Total Dissolved Solids	<b>190</b>	mg/L	1.25		12	12	3/2/2016 08:04	T	
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E								
Chloride	<b>76</b>	J4	mg/L	1		5.0	2.6	2/25/2016 11:53	T
Analysis Desc: Nitrate,Nitrite SM4500NO3F,Water	Analytical Method: SM 4500NO3-F								
Nitrate	<b>0.18</b>	U	mg/L	1		0.20	0.18	2/25/2016 16:17	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482019** Date Received: 02/25/16 16:16 Matrix: Water  
Sample ID: **TH-61** Date Collected: 02/25/16 15:03

Sample Description: Location:

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

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

Conductivity	<b>165</b>		umhos/cm	<b>1</b>			2/25/2016 15:03
Dissolved Oxygen	<b>0.14</b>		mg/L	<b>1</b>			2/25/2016 15:03
Temperature	<b>25.13</b>		°C	<b>1</b>			2/25/2016 15:03
Turbidity	<b>1.83</b>		NTU	<b>1</b>			2/25/2016 15:03
pH	<b>5.5</b>		SU	<b>1</b>			2/25/2016 15:03

### **METALS**

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

Beryllium	<b>0.11</b>	<b>U</b>	ug/L	<b>1</b>	0.60	0.11	3/3/2016 03:50	T
Iron	<b>340</b>		ug/L	<b>1</b>	100	21	3/3/2016 03:50	T
Sodium	<b>4.4</b>		mg/L	<b>1</b>	0.20	0.042	3/3/2016 03:50	T
Zinc	<b>12</b>		ug/L	<b>1</b>	10	2.0	3/3/2016 03:50	T

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

Antimony	<b>0.054</b>	<b>I</b>	ug/L	<b>1</b>	0.70	0.046	3/3/2016 18:55	J
Arsenic	<b>0.51</b>	<b>I</b>	ug/L	<b>1</b>	1.0	0.077	3/3/2016 18:55	J
Barium	<b>5.9</b>		ug/L	<b>1</b>	0.60	0.12	3/3/2016 18:55	J
Cadmium	<b>0.028</b>	<b>U</b>	ug/L	<b>1</b>	0.50	0.028	3/3/2016 18:55	J
Chromium	<b>0.93</b>	<b>I</b>	ug/L	<b>1</b>	2.0	0.11	3/3/2016 18:55	J
Cobalt	<b>0.19</b>	<b>U</b>	ug/L	<b>1</b>	0.50	0.19	3/3/2016 18:55	J
Copper	<b>0.16</b>	<b>I</b>	ug/L	<b>1</b>	0.70	0.11	3/3/2016 18:55	J
Lead	<b>0.24</b>	<b>U</b>	ug/L	<b>1</b>	0.70	0.24	3/3/2016 18:55	J
Nickel	<b>0.18</b>	<b>I</b>	ug/L	<b>1</b>	0.80	0.11	3/3/2016 18:55	J
Selenium	<b>0.58</b>	<b>U</b>	ug/L	<b>1</b>	5.0	0.58	3/3/2016 18:55	J
Silver	<b>0.027</b>	<b>U</b>	ug/L	<b>1</b>	0.50	0.027	3/3/2016 18:55	J
Thallium	<b>0.057</b>	<b>U</b>	ug/L	<b>1</b>	0.20	0.057	3/3/2016 18:55	J
Vanadium	<b>1.7</b>	<b>I</b>	ug/L	<b>1</b>	2.0	0.71	3/3/2016 18:55	J

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

Mercury	<b>0.084</b>	<b>U</b>	ug/L	<b>1</b>	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482019** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-61** Date Collected: 02/25/16 15:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0096</b>	U	ug/L	1	0.020	0.0096	3/9/2016 03:06	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/9/2016 03:06	T
Tetrachloro-m-xylene (S)	<b>108</b>		%	1	64-150		3/9/2016 03:06	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/7/2016 15:13	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/7/2016 15:13	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/7/2016 15:13	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 15:13	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/7/2016 15:13	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 15:13	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/7/2016 15:13	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/7/2016 15:13	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/7/2016 15:13	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 15:13	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/7/2016 15:13	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/7/2016 15:13	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/7/2016 15:13	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/7/2016 15:13	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 15:13	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/7/2016 15:13	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/7/2016 15:13	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/7/2016 15:13	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 15:13	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/7/2016 15:13	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/7/2016 15:13	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 15:13	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/7/2016 15:13	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 15:13	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/7/2016 15:13	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/7/2016 15:13	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 15:13	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 15:13	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 15:13	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/7/2016 15:13	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482019** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-61** Date Collected: 02/25/16 15:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/7/2016 15:13	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 15:13	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 15:13	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/7/2016 15:13	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/7/2016 15:13	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/7/2016 15:13	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 15:13	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 15:13	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/7/2016 15:13	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/7/2016 15:13	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/7/2016 15:13	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/7/2016 15:13	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/7/2016 15:13	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/7/2016 15:13	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/7/2016 15:13	T
1,2-Dichloroethane-d4 (S)	<b>114</b>	%	1		70-130		3/7/2016 15:13	
Toluene-d8 (S)	<b>101</b>	%	1		70-130		3/7/2016 15:13	
Bromofluorobenzene (S)	<b>109</b>	%	1		70-130		3/7/2016 15:13	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 01:18	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.12</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>110</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>6.4</b>		mg/L	1	5.0	2.6	3/3/2016 10:54	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482020** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-61A** Date Collected: 02/25/16 14:17

Sample Description: Location:

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

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

Conductivity	303	umhos/cm	1				2/25/2016 14:17
Dissolved Oxygen	1.06	mg/L	1				2/25/2016 14:17
Temperature	23.84	°C	1				2/25/2016 14:17
Turbidity	3.88	NTU	1				2/25/2016 14:17
pH	5.85	SU	1				2/25/2016 14:17

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 03:55	T
Iron	930		ug/L	1	100	21	3/3/2016 03:55	T
Sodium	4.4		mg/L	1	0.20	0.042	3/3/2016 03:55	T
Zinc	13		ug/L	1	10	2.0	3/3/2016 03:55	T

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

Antimony	5.4		ug/L	1	0.70	0.046	3/3/2016 18:58	J
Arsenic	0.93	I	ug/L	1	1.0	0.077	3/3/2016 18:58	J
Barium	5.4		ug/L	1	0.60	0.12	3/3/2016 18:58	J
Cadmium	0.048	I	ug/L	1	0.50	0.028	3/3/2016 18:58	J
Chromium	0.97	I	ug/L	1	2.0	0.11	3/3/2016 18:58	J
Cobalt	0.23	I	ug/L	1	0.50	0.19	3/3/2016 18:58	J
Copper	0.71		ug/L	1	0.70	0.11	3/3/2016 18:58	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 18:58	J
Nickel	0.67	I	ug/L	1	0.80	0.11	3/3/2016 18:58	J
Selenium	0.71	I	ug/L	1	5.0	0.58	3/3/2016 18:58	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 18:58	J
Thallium	0.080	I	ug/L	1	0.20	0.057	3/3/2016 18:58	J
Vanadium	21		ug/L	1	2.0	0.71	3/3/2016 18:58	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482020** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-61A** Date Collected: 02/25/16 14:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0096</b>	U	ug/L	1	0.020	0.0096	3/9/2016 03:55	T
Ethylene Dibromide (EDB)	<b>0.0068</b>	U	ug/L	1	0.020	0.0068	3/9/2016 03:55	T
Tetrachloro-m-xylene (S)	91		%	1	64-150		3/9/2016 03:55	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/7/2016 16:00	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/7/2016 16:00	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/7/2016 16:00	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 16:00	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/7/2016 16:00	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 16:00	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/7/2016 16:00	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/7/2016 16:00	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/7/2016 16:00	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 16:00	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/7/2016 16:00	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/7/2016 16:00	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/7/2016 16:00	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/7/2016 16:00	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 16:00	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/7/2016 16:00	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/7/2016 16:00	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/7/2016 16:00	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 16:00	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/7/2016 16:00	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/7/2016 16:00	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 16:00	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/7/2016 16:00	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 16:00	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/7/2016 16:00	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/7/2016 16:00	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 16:00	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 16:00	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 16:00	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/7/2016 16:00	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482020** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-61A** Date Collected: 02/25/16 14:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/7/2016 16:00	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 16:00	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 16:00	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/7/2016 16:00	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/7/2016 16:00	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/7/2016 16:00	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 16:00	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 16:00	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/7/2016 16:00	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/7/2016 16:00	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/7/2016 16:00	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/7/2016 16:00	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/7/2016 16:00	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/7/2016 16:00	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/7/2016 16:00	T
1,2-Dichloroethane-d4 (S)	<b>113</b>	%	1		70-130		3/7/2016 16:00	
Toluene-d8 (S)	<b>100</b>	%	1		70-130		3/7/2016 16:00	
Bromofluorobenzene (S)	<b>105</b>	%	1		70-130		3/7/2016 16:00	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 01:35	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.13</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>190</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>7.1</b>		mg/L	1	5.0	2.6	3/3/2016 10:56	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482021** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-65** Date Collected: 02/25/16 13:34

Sample Description: Location:

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

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

Conductivity	256	umhos/cm	1				2/25/2016 13:34
Dissolved Oxygen	0.43	mg/L	1				2/25/2016 13:34
Temperature	22.36	°C	1				2/25/2016 13:34
Turbidity	5.99	NTU	1				2/25/2016 13:34
pH	5.51	SU	1				2/25/2016 13:34

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:00	T
Iron	1700		ug/L	1	100	21	3/3/2016 04:00	T
Sodium	12		mg/L	1	0.20	0.042	3/3/2016 04:00	T
Zinc	11		ug/L	1	10	2.0	3/3/2016 04:00	T

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

Antimony	0.088	I	ug/L	1	0.70	0.046	3/3/2016 19:02	J
Arsenic	12		ug/L	1	1.0	0.077	3/3/2016 19:02	J
Barium	1.1		ug/L	1	0.60	0.12	3/3/2016 19:02	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/3/2016 19:02	J
Chromium	2.0		ug/L	1	2.0	0.11	3/3/2016 19:02	J
Cobalt	0.64		ug/L	1	0.50	0.19	3/3/2016 19:02	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/3/2016 19:02	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:02	J
Nickel	0.89		ug/L	1	0.80	0.11	3/3/2016 19:02	J
Selenium	1.1	I	ug/L	1	5.0	0.58	3/3/2016 19:02	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:02	J
Thallium	0.19	I	ug/L	1	0.20	0.057	3/3/2016 19:02	J
Vanadium	3.8		ug/L	1	2.0	0.71	3/3/2016 19:02	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482021** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-65** Date Collected: 02/25/16 13:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW 8011 Analysis, Water		Preparation Method: SW-846 8011						
Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.0096</b>	U	ug/L	1	0.020	0.0096	3/9/2016 04:19	T
Ethylene Dibromide (EDB)	<b>0.0068</b>	U	ug/L	1	0.020	0.0068	3/9/2016 04:19	T
Tetrachloro-m-xylene (S)	<b>79</b>		%	1	64-150		3/9/2016 04:19	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/7/2016 16:47	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/7/2016 16:47	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/7/2016 16:47	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 16:47	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/7/2016 16:47	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 16:47	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/7/2016 16:47	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/7/2016 16:47	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/7/2016 16:47	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 16:47	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/7/2016 16:47	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/7/2016 16:47	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/7/2016 16:47	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/7/2016 16:47	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 16:47	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/7/2016 16:47	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/7/2016 16:47	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/7/2016 16:47	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 16:47	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/7/2016 16:47	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/7/2016 16:47	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 16:47	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/7/2016 16:47	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 16:47	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/7/2016 16:47	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/7/2016 16:47	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 16:47	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 16:47	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 16:47	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/7/2016 16:47	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482021** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-65** Date Collected: 02/25/16 13:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/7/2016 16:47	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 16:47	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 16:47	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/7/2016 16:47	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/7/2016 16:47	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/7/2016 16:47	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 16:47	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 16:47	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/7/2016 16:47	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/7/2016 16:47	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/7/2016 16:47	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/7/2016 16:47	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/7/2016 16:47	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/7/2016 16:47	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/7/2016 16:47	T
1,2-Dichloroethane-d4 (S)	<b>114</b>	%		1	70-130		3/7/2016 16:47	
Toluene-d8 (S)	<b>101</b>	%		1	70-130		3/7/2016 16:47	
Bromofluorobenzene (S)	<b>109</b>	%		1	70-130		3/7/2016 16:47	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 01:51	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>1.2</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>170</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>18</b>		mg/L	1	5.0	2.6	3/3/2016 10:56	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482022** Date Received: 02/25/16 16:16 Matrix: Water  
Sample ID: **TH-66A** Date Collected: 02/25/16 12:51

Sample Description: Location:

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

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

Conductivity	313	umhos/cm	1				2/25/2016 12:51
Dissolved Oxygen	0.5	mg/L	1				2/25/2016 12:51
Temperature	21.5	°C	1				2/25/2016 12:51
Turbidity	1.35	NTU	1				2/25/2016 12:51
pH	6.12	SU	1				2/25/2016 12:51

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:05	T
Iron	340		ug/L	1	100	21	3/3/2016 04:05	T
Sodium	8.7		mg/L	1	0.20	0.042	3/3/2016 04:05	T
Zinc	8.7	I	ug/L	1	10	2.0	3/3/2016 04:05	T

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

Antimony	5.9		ug/L	1	0.70	0.046	3/3/2016 19:05	J
Arsenic	3.0		ug/L	1	1.0	0.077	3/3/2016 19:05	J
Barium	2.4		ug/L	1	0.60	0.12	3/3/2016 19:05	J
Cadmium	0.034	I	ug/L	1	0.50	0.028	3/3/2016 19:05	J
Chromium	0.51	I	ug/L	1	2.0	0.11	3/3/2016 19:05	J
Cobalt	0.42	I	ug/L	1	0.50	0.19	3/3/2016 19:05	J
Copper	0.76		ug/L	1	0.70	0.11	3/3/2016 19:05	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:05	J
Nickel	1.8		ug/L	1	0.80	0.11	3/3/2016 19:05	J
Selenium	1.2	I	ug/L	1	5.0	0.58	3/3/2016 19:05	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:05	J
Thallium	0.52		ug/L	1	0.20	0.057	3/3/2016 19:05	J
Vanadium	89		ug/L	1	2.0	0.71	3/3/2016 19:05	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482022</b>	Date Received:	02/25/16 16:16	Matrix:	Water
Sample ID:	<b>TH-66A</b>	Date Collected:	02/25/16 12:51		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>Analysis Desc: SW 8011 Analysis, Water</b>														
<b>Preparation Method: SW-846 8011</b>														
1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	U	ug/L	1	0.020	0.0097	3/9/2016 04:44	T						
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/9/2016 04:44	T						
Tetrachloro-m-xylene (S)	<b>93</b>		%	1	64-150		3/9/2016 04:44							

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/7/2016 17:35	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/7/2016 17:35	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/7/2016 17:35	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 17:35	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/7/2016 17:35	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 17:35	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/7/2016 17:35	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/7/2016 17:35	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/7/2016 17:35	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 17:35	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/7/2016 17:35	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/7/2016 17:35	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/7/2016 17:35	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/7/2016 17:35	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 17:35	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/7/2016 17:35	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/7/2016 17:35	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/7/2016 17:35	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 17:35	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/7/2016 17:35	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/7/2016 17:35	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 17:35	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/7/2016 17:35	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 17:35	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/7/2016 17:35	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/7/2016 17:35	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 17:35	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 17:35	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 17:35	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/7/2016 17:35	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482022** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-66A** Date Collected: 02/25/16 12:51

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/7/2016 17:35	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 17:35	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 17:35	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/7/2016 17:35	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/7/2016 17:35	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/7/2016 17:35	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 17:35	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 17:35	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/7/2016 17:35	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/7/2016 17:35	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/7/2016 17:35	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/7/2016 17:35	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/7/2016 17:35	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/7/2016 17:35	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/7/2016 17:35	T
1,2-Dichloroethane-d4 (S)	<b>109</b>	%		1	70-130		3/7/2016 17:35	
Toluene-d8 (S)	<b>102</b>	%		1	70-130		3/7/2016 17:35	
Bromofluorobenzene (S)	<b>110</b>	%		1	70-130		3/7/2016 17:35	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 02:08	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.12</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>180</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>15</b>		mg/L	1	5.0	2.6	3/3/2016 10:57	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482023** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-67** Date Collected: 02/25/16 12:15

Sample Description: Location:

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

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

Conductivity	1780	umhos/cm	1				2/25/2016 12:15
Dissolved Oxygen	1.05	mg/L	1				2/25/2016 12:15
Temperature	20.81	°C	1				2/25/2016 12:15
Turbidity	10.11	NTU	1				2/25/2016 12:15
pH	5.98	SU	1				2/25/2016 12:15

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:11	T
Iron	2300		ug/L	1	100	21	3/3/2016 04:11	T
Sodium	120		mg/L	1	0.20	0.042	3/3/2016 04:11	T
Zinc	1300		ug/L	1	10	2.0	3/3/2016 04:11	T

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

Antimony	1.0		ug/L	1	0.70	0.046	3/3/2016 19:09	J
Arsenic	0.53	I	ug/L	1	1.0	0.077	3/3/2016 19:09	J
Barium	21		ug/L	1	0.60	0.12	3/3/2016 19:09	J
Cadmium	2.6		ug/L	1	0.50	0.028	3/3/2016 19:09	J
Chromium	0.35	I	ug/L	1	2.0	0.11	3/3/2016 19:09	J
Cobalt	12		ug/L	1	0.50	0.19	3/3/2016 19:09	J
Copper	2.4		ug/L	1	0.70	0.11	3/3/2016 19:09	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:09	J
Nickel	23		ug/L	1	0.80	0.11	3/3/2016 19:09	J
Selenium	12		ug/L	1	5.0	0.58	3/3/2016 19:09	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:09	J
Thallium	0.67		ug/L	1	0.20	0.057	3/3/2016 19:09	J
Vanadium	5.6		ug/L	1	2.0	0.71	3/3/2016 19:09	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/7/2016 15:58	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482023** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-67** Date Collected: 02/25/16 12:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0096</b>	U	ug/L	1	0.020	0.0096	3/9/2016 05:09	T
Ethylene Dibromide (EDB)	<b>0.0068</b>	U	ug/L	1	0.020	0.0068	3/9/2016 05:09	T
Tetrachloro-m-xylene (S)	<b>105</b>		%	1	64-150		3/9/2016 05:09	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/7/2016 18:22	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/7/2016 18:22	T
1,1,2,2-Tetrachloroethane	<b>0.41</b>	U	ug/L	1	1.0	0.41	3/7/2016 18:22	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 18:22	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/7/2016 18:22	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 18:22	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/7/2016 18:22	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/7/2016 18:22	T
1,2-Dichloroethane	<b>0.68</b>	U	ug/L	1	1.0	0.68	3/7/2016 18:22	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 18:22	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/7/2016 18:22	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/7/2016 18:22	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/7/2016 18:22	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/7/2016 18:22	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 18:22	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/7/2016 18:22	T
Benzene	<b>0.34</b>	U	ug/L	1	1.0	0.34	3/7/2016 18:22	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/7/2016 18:22	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 18:22	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/7/2016 18:22	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/7/2016 18:22	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/7/2016 18:22	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/7/2016 18:22	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 18:22	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/7/2016 18:22	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/7/2016 18:22	T
Chloromethane	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/7/2016 18:22	T
Dibromochloromethane	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/7/2016 18:22	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/7/2016 18:22	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/7/2016 18:22	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482023** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-67** Date Collected: 02/25/16 12:15

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/7/2016 18:22	T
Methylene Chloride	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/7/2016 18:22	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 18:22	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/7/2016 18:22	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/7/2016 18:22	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/7/2016 18:22	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/7/2016 18:22	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/7/2016 18:22	T
Vinyl Chloride	<b>0.73</b>	U	ug/L	1	1.0	0.73	3/7/2016 18:22	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/7/2016 18:22	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/7/2016 18:22	T
cis-1,3-Dichloropropene	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/7/2016 18:22	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/7/2016 18:22	T
trans-1,3-Dichloropropylene	<b>0.42</b>	U	ug/L	1	1.0	0.42	3/7/2016 18:22	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/7/2016 18:22	T
1,2-Dichloroethane-d4 (S)	<b>117</b>	%		1	70-130		3/7/2016 18:22	
Toluene-d8 (S)	<b>98</b>	%		1	70-130		3/7/2016 18:22	
Bromofluorobenzene (S)	<b>107</b>	%		1	70-130		3/7/2016 18:22	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.11</b>	I	mg/L	1	0.50	0.10	2/27/2016 02:24	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>1.5</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>1600</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>620</b>		mg/L	<b>26.6667</b>	130	68	3/3/2016 11:38	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482024** Date Received: 02/25/16 16:16 Matrix: Water  
Sample ID: **TH-22A** Date Collected: 02/25/16 11:09

Sample Description: Location:

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

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

Conductivity	200	umhos/cm	1				2/25/2016 11:09
Dissolved Oxygen	0.16	mg/L	1				2/25/2016 11:09
Temperature	20.94	°C	1				2/25/2016 11:09
Turbidity	15.5	NTU	1				2/25/2016 11:09
pH	4.45	SU	1				2/25/2016 11:09

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:15	T
Iron	710		ug/L	1	100	21	3/3/2016 04:15	T
Sodium	3.8		mg/L	1	0.20	0.042	3/3/2016 04:15	T
Zinc	11		ug/L	1	10	2.0	3/3/2016 04:15	T

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

Antimony	0.061	I	ug/L	1	0.70	0.046	3/3/2016 19:19	J
Arsenic	0.29	I	ug/L	1	1.0	0.077	3/3/2016 19:19	J
Barium	33		ug/L	1	0.60	0.12	3/3/2016 19:19	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/3/2016 19:19	J
Chromium	1.9	I	ug/L	1	2.0	0.11	3/3/2016 19:19	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 19:19	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/3/2016 19:19	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:19	J
Nickel	0.15	I	ug/L	1	0.80	0.11	3/3/2016 19:19	J
Selenium	0.67	I	ug/L	1	5.0	0.58	3/3/2016 19:19	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:19	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/3/2016 19:19	J
Vanadium	1.8	I	ug/L	1	2.0	0.71	3/3/2016 19:19	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/8/2016 15:52	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482024** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-22A** Date Collected: 02/25/16 11:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/9/2016 05:33	T
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/9/2016 05:33	T
Tetrachloro-m-xylene (S)	<b>110</b>		%	1	64-150		3/9/2016 05:33	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 11:52	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 11:52	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 11:52	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 11:52	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 11:52	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 11:52	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 11:52	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 11:52	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 11:52	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 11:52	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 11:52	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 11:52	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 11:52	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 11:52	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 11:52	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 11:52	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 11:52	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 11:52	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 11:52	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 11:52	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 11:52	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 11:52	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 11:52	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 11:52	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 11:52	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 11:52	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 11:52	T
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 11:52	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 11:52	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 11:52	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482024** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **TH-22A** Date Collected: 02/25/16 11:09

Parameters	Results	Qual	Units	DF	Adjusted		Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 11:52	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 11:52	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 11:52	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 11:52	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 11:52	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 11:52	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 11:52	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 11:52	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 11:52	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 11:52	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 11:52	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 11:52	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 11:52	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 11:52	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 11:52	T
1,2-Dichloroethane-d4 (S)	<b>89</b>	%	1		70-130		3/8/2016 11:52	
Toluene-d8 (S)	<b>98</b>	%	1		70-130		3/8/2016 11:52	
Bromofluorobenzene (S)	<b>101</b>	%	1		70-130		3/8/2016 11:52	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 03:30	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.45</b>		mg/L	1	0.10	0.02	3/7/2016 13:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>130</b>		mg/L	<b>1.25</b>	12	12	3/2/2016 08:04	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>8.3</b>		mg/L	1	5.0	2.6	3/3/2016 10:58	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482025** Date Received: 02/25/16 16:16 Matrix: Water  
Sample ID: **Travel Blank** Date Collected: 02/25/16 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B Analysis, Water Preparation Method: SW-846 5030B														
Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.64	3/8/2016 12:39	T						
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	3/8/2016 12:39	T						
1,1,2,2-Tetrachloroethane	<b>0.17</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.17	3/8/2016 12:39	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	3/8/2016 12:39	T						
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.86	3/8/2016 12:39	T						
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/8/2016 12:39	T						
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.58	3/8/2016 12:39	T						
1,2-Dibromo-3-Chloropropane	<b>0.25</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.25	3/8/2016 12:39	T						
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.63	3/8/2016 12:39	T						
1,2-Dichloroethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 12:39	T						
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/8/2016 12:39	T						
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.97	3/8/2016 12:39	T						
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.59	3/8/2016 12:39	T						
2-Hexanone	<b>0.99</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.99	3/8/2016 12:39	T						
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.93	3/8/2016 12:39	T						
Acetone	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/8/2016 12:39	T						
Acrylonitrile	<b>4.6</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	4.6	3/8/2016 12:39	T						
Benzene	<b>0.15</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.15	3/8/2016 12:39	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	3/8/2016 12:39	T						
Bromodichloromethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 12:39	T						
Bromoform	<b>0.61</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.61	3/8/2016 12:39	T						
Bromomethane	<b>0.81</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.81	3/8/2016 12:39	T						
Carbon Disulfide	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 12:39	T						
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.57	3/8/2016 12:39	T						
Chlorobenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/8/2016 12:39	T						
Chloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	3/8/2016 12:39	T						
Chloroform	<b>0.31</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.31	3/8/2016 12:39	T						
Chloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	3/8/2016 12:39	T						
Dibromochloromethane	<b>0.27</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.27	3/8/2016 12:39	T						
Dibromomethane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/8/2016 12:39	T						
Ethylbenzene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	3/8/2016 12:39	T						
Ethylene Dibromide (EDB)	<b>0.67</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.67	3/8/2016 12:39	T						
Iodomethane (Methyl Iodide)	<b>0.65</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.65	3/8/2016 12:39	T						
Methylene Chloride	<b>2.5</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	2.5	3/8/2016 12:39	T						
Styrene	<b>0.84</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.84	3/8/2016 12:39	T						
Tetrachloroethylene (PCE)	<b>0.52</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.52	3/8/2016 12:39	T						

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482025** Date Received: 02/25/16 16:16 Matrix: Water  
 Sample ID: **Travel Blank** Date Collected: 02/25/16 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 12:39	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 12:39	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 12:39	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 12:39	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 12:39	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 12:39	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 12:39	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 12:39	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 12:39	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 12:39	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 12:39	T
1,2-Dichloroethane-d4 (S)	<b>84</b>	%	1		70-130		3/8/2016 12:39	
Toluene-d8 (S)	<b>101</b>	%	1		70-130		3/8/2016 12:39	
Bromofluorobenzene (S)	<b>99</b>	%	1		70-130		3/8/2016 12:39	

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482026** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-70A** Date Collected: 02/26/16 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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### **WET CHEMISTRY**

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

Conductivity	712	umhos/cm	1	2/26/2016 13:08
Dissolved Oxygen	0.11	mg/L	1	2/26/2016 13:08
Temperature	25.4	°C	1	2/26/2016 13:08
Turbidity	10.1	NTU	1	2/26/2016 13:08
pH	6.36	SU	1	2/26/2016 13:08

Analysis Desc: Tot Dissolved Solids,SM2540C Analytical Method: SM 2540 C

Total Dissolved Solids	320	mg/L	1.25	12	12	3/4/2016 09:12	T
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### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:20	T
Iron	24000		ug/L	1	100	21	3/3/2016 04:20	T
Sodium	9.6		mg/L	1	0.20	0.042	3/3/2016 04:20	T
Zinc	8.6	I	ug/L	1	10	2.0	3/3/2016 04:20	T

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

Antimony	0.046	U	ug/L	1	0.70	0.046	3/3/2016 19:23	J
Arsenic	2.6		ug/L	1	1.0	0.077	3/3/2016 19:23	J
Barium	5.5		ug/L	1	0.60	0.12	3/3/2016 19:23	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/3/2016 19:23	J
Chromium	0.37	I	ug/L	1	2.0	0.11	3/3/2016 19:23	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 19:23	J
Copper	0.11	U	ug/L	1	0.70	0.11	3/3/2016 19:23	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:23	J
Nickel	0.39	I	ug/L	1	0.80	0.11	3/3/2016 19:23	J
Selenium	0.70	I	ug/L	1	5.0	0.58	3/3/2016 19:23	J
Silver	0.14	I	ug/L	1	0.50	0.027	3/3/2016 19:23	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/3/2016 19:23	J
Vanadium	0.72	I	ug/L	1	2.0	0.71	3/3/2016 19:23	J

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

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482026** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-70A** Date Collected: 02/26/16 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Mercury	<b>0.084</b>	U	ug/L	1		0.10	0.084	3/8/2016 15:52 T

### SEMIVOLATILES

Analysis Desc: SW 8011 Analysis, Water	Preparation Method: SW-846 8011							
	Analytical Method: SW-846 8011							
1,2-Dibromo-3-Chloropropane	<b>0.0097</b>	U	ug/L	1	0.020	0.0097	3/9/2016 05:58	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/9/2016 05:58	T
Tetrachloro-m-xylene (S)	<b>102</b>		%	1	64-150		3/9/2016 05:58	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 13:27	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 13:27	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 13:27	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 13:27	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 13:27	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 13:27	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 13:27	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 13:27	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 13:27	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 13:27	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 13:27	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 13:27	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 13:27	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 13:27	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 13:27	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 13:27	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 13:27	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 13:27	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 13:27	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 13:27	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 13:27	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 13:27	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 13:27	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 13:27	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 13:27	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 13:27	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 13:27	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482026** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-70A** Date Collected: 02/26/16 13:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 13:27	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 13:27	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 13:27	T
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 13:27	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 13:27	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 13:27	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 13:27	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 13:27	T
Trichloroethylene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 13:27	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 13:27	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 13:27	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 13:27	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 13:27	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 13:27	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 13:27	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 13:27	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 13:27	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 13:27	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%	1		70-130		3/8/2016 13:27	
Toluene-d8 (S)	<b>100</b>	%	1		70-130		3/8/2016 13:27	
Bromofluorobenzene (S)	<b>100</b>	%	1		70-130		3/8/2016 13:27	

### VOLATILES

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.11</b>	I	mg/L	1	0.50	0.10	2/27/2016 04:53	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>2.0</b>		mg/L	1	0.10	0.02	3/8/2016 10:27	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>56</b>		mg/L	1	5.0	2.6	3/3/2016 10:59	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482027** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-69A** Date Collected: 02/26/16 12:17

Sample Description: Location:

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

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

Conductivity	<b>590</b>		umhos/cm	1			2/26/2016 12:17
Dissolved Oxygen	<b>0.33</b>		mg/L	1			2/26/2016 12:17
Temperature	<b>24.84</b>		°C	1			2/26/2016 12:17
Turbidity	<b>9.86</b>		NTU	1			2/26/2016 12:17
pH	<b>6.06</b>		SU	1			2/26/2016 12:17

### METALS

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

Beryllium	<b>0.11</b>	<b>U</b>	ug/L	1	0.60	0.11	3/3/2016 04:25	T
Iron	<b>3800</b>		ug/L	1	100	21	3/3/2016 04:25	T
Sodium	<b>17</b>		mg/L	1	0.20	0.042	3/3/2016 04:25	T
Zinc	<b>11</b>		ug/L	1	10	2.0	3/3/2016 04:25	T

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

Antimony	<b>0.051</b>	<b>I</b>	ug/L	1	0.70	0.046	3/3/2016 19:26	J
Arsenic	<b>0.47</b>	<b>I</b>	ug/L	1	1.0	0.077	3/3/2016 19:26	J
Barium	<b>4.7</b>		ug/L	1	0.60	0.12	3/3/2016 19:26	J
Cadmium	<b>0.028</b>	<b>U</b>	ug/L	1	0.50	0.028	3/3/2016 19:26	J
Chromium	<b>0.69</b>	<b>I</b>	ug/L	1	2.0	0.11	3/3/2016 19:26	J
Cobalt	<b>0.19</b>	<b>U</b>	ug/L	1	0.50	0.19	3/3/2016 19:26	J
Copper	<b>0.17</b>	<b>I</b>	ug/L	1	0.70	0.11	3/3/2016 19:26	J
Lead	<b>0.35</b>	<b>I</b>	ug/L	1	0.70	0.24	3/3/2016 19:26	J
Nickel	<b>0.12</b>	<b>I</b>	ug/L	1	0.80	0.11	3/3/2016 19:26	J
Selenium	<b>1.2</b>	<b>I</b>	ug/L	1	5.0	0.58	3/3/2016 19:26	J
Silver	<b>0.027</b>	<b>U</b>	ug/L	1	0.50	0.027	3/3/2016 19:26	J
Thallium	<b>0.057</b>	<b>U</b>	ug/L	1	0.20	0.057	3/3/2016 19:26	J
Vanadium	<b>0.94</b>	<b>I</b>	ug/L	1	2.0	0.71	3/3/2016 19:26	J

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

Mercury	<b>0.084</b>	<b>U</b>	ug/L	1	0.10	0.084	3/8/2016 15:52	T
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### SEMIVOLATILES

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID:	<b>T1602482027</b>	Date Received:	02/26/16 14:10	Matrix:	Water
Sample ID:	<b>TH-69A</b>	Date Collected:	02/26/16 12:17		

Sample Description:	Location:
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Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>Analysis Desc: SW 8011 Analysis, Water</b>														
<b>Preparation Method: SW-846 8011</b>														
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/9/2016 09:30	T						
Ethylene Dibromide (EDB)	<b>0.0070</b>	U	ug/L	1	0.020	0.0070	3/9/2016 09:30	T						
Tetrachloro-m-xylene (S)	<b>110</b>		%	1	64-150		3/9/2016 09:30							

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 14:16	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 14:16	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 14:16	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 14:16	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 14:16	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 14:16	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 14:16	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 14:16	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 14:16	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 14:16	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 14:16	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 14:16	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 14:16	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 14:16	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 14:16	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 14:16	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 14:16	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 14:16	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 14:16	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 14:16	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 14:16	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 14:16	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 14:16	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 14:16	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 14:16	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 14:16	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 14:16	T
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 14:16	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 14:16	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 14:16	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482027** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-69A** Date Collected: 02/26/16 12:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 14:16	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 14:16	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 14:16	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 14:16	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 14:16	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 14:16	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 14:16	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 14:16	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 14:16	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 14:16	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 14:16	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 14:16	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 14:16	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 14:16	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 14:16	T
1,2-Dichloroethane-d4 (S)	<b>86</b>	%	1		70-130		3/8/2016 14:16	
Toluene-d8 (S)	<b>104</b>	%	1		70-130		3/8/2016 14:16	
Bromofluorobenzene (S)	<b>100</b>	%	1		70-130		3/8/2016 14:16	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 05:09	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.52</b>		mg/L	1	0.10	0.02	3/8/2016 10:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>290</b>		mg/L	<b>1.25</b>	12	12	3/4/2016 09:12	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>59</b>		mg/L	1	5.0	2.6	3/3/2016 11:00	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482028** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-64** Date Collected: 02/26/16 11:29

Sample Description: Location:

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

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

Conductivity	315	umhos/cm	1				2/26/2016 11:29
Dissolved Oxygen	0.24	mg/L	1				2/26/2016 11:29
Temperature	25.49	°C	1				2/26/2016 11:29
Turbidity	12.7	NTU	1				2/26/2016 11:29
pH	4.76	SU	1				2/26/2016 11:29

### **METALS**

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

Beryllium	0.19	I	ug/L	1	0.60	0.11	3/3/2016 04:51	T
Iron	890		ug/L	1	100	21	3/3/2016 04:51	T
Sodium	9.9		mg/L	1	0.20	0.042	3/3/2016 04:51	T
Zinc	10		ug/L	1	10	2.0	3/3/2016 04:51	T

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

Antimony	0.16	I	ug/L	1	0.70	0.046	3/3/2016 19:30	J
Arsenic	0.33	I	ug/L	1	1.0	0.077	3/3/2016 19:30	J
Barium	27		ug/L	1	0.60	0.12	3/3/2016 19:30	J
Cadmium	0.92		ug/L	1	0.50	0.028	3/3/2016 19:30	J
Chromium	0.88	I	ug/L	1	2.0	0.11	3/3/2016 19:30	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 19:30	J
Copper	0.32	I	ug/L	1	0.70	0.11	3/3/2016 19:30	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:30	J
Nickel	0.22	I	ug/L	1	0.80	0.11	3/3/2016 19:30	J
Selenium	0.65	I	ug/L	1	5.0	0.58	3/3/2016 19:30	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:30	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/3/2016 19:30	J
Vanadium	8.6		ug/L	1	2.0	0.71	3/3/2016 19:30	J

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

Mercury	0.084	U	ug/L	1	0.10	0.084	3/8/2016 15:52	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482028** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-64** Date Collected: 02/26/16 11:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW 8011 Analysis, Water		Preparation Method: SW-846 8011						
Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.0096</b>	U	ug/L	1	0.020	0.0096	3/9/2016 09:54	T
Ethylene Dibromide (EDB)	<b>0.0068</b>	U	ug/L	1	0.020	0.0068	3/9/2016 09:54	T
Tetrachloro-m-xylene (S)	<b>97</b>		%	1	64-150		3/9/2016 09:54	

### VOLATILES

Analysis Desc: 8260B Analysis, Water		Preparation Method: SW-846 5030B						
Analytical Method: SW-846 8260B								
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 15:04	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 15:04	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 15:04	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 15:04	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 15:04	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 15:04	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 15:04	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 15:04	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:04	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 15:04	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 15:04	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 15:04	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 15:04	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 15:04	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 15:04	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 15:04	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 15:04	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 15:04	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:04	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 15:04	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 15:04	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:04	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 15:04	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 15:04	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 15:04	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 15:04	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 15:04	T
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 15:04	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 15:04	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 15:04	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482028** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-64** Date Collected: 02/26/16 11:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 15:04	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 15:04	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 15:04	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 15:04	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 15:04	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 15:04	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 15:04	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 15:04	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 15:04	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 15:04	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 15:04	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 15:04	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 15:04	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 15:04	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 15:04	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%	1		70-130		3/8/2016 15:04	
Toluene-d8 (S)	<b>98</b>	%	1		70-130		3/8/2016 15:04	
Bromofluorobenzene (S)	<b>98</b>	%	1		70-130		3/8/2016 15:04	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	I	mg/L	1	0.50	0.10	2/27/2016 05:26	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.25</b>		mg/L	1	0.10	0.02	3/8/2016 10:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>180</b>		mg/L	<b>1.25</b>	12	12	3/4/2016 09:12	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>20</b>		mg/L	1	5.0	2.6	3/3/2016 11:00	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482029** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-68** Date Collected: 02/26/16 10:46

Sample Description: Location:

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

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

Conductivity	210	umhos/cm	1				2/26/2016 10:46
Dissolved Oxygen	0.83	mg/L	1				2/26/2016 10:46
Temperature	25.12	°C	1				2/26/2016 10:46
Turbidity	1.03	NTU	1				2/26/2016 10:46
pH	5.68	SU	1				2/26/2016 10:46

### **METALS**

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 04:56	T
Iron	420		ug/L	1	100	21	3/3/2016 04:56	T
Sodium	11		mg/L	1	0.20	0.042	3/3/2016 04:56	T
Zinc	10		ug/L	1	10	2.0	3/3/2016 04:56	T

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

Antimony	0.13	I	ug/L	1	0.70	0.046	3/3/2016 19:33	J
Arsenic	1.9		ug/L	1	1.0	0.077	3/3/2016 19:33	J
Barium	8.0		ug/L	1	0.60	0.12	3/3/2016 19:33	J
Cadmium	0.033	I	ug/L	1	0.50	0.028	3/3/2016 19:33	J
Chromium	3.3		ug/L	1	2.0	0.11	3/3/2016 19:33	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 19:33	J
Copper	0.60	I	ug/L	1	0.70	0.11	3/3/2016 19:33	J
Lead	0.42	I	ug/L	1	0.70	0.24	3/3/2016 19:33	J
Nickel	0.20	I	ug/L	1	0.80	0.11	3/3/2016 19:33	J
Selenium	1.3	I	ug/L	1	5.0	0.58	3/3/2016 19:33	J
Silver	0.027	U	ug/L	1	0.50	0.027	3/3/2016 19:33	J
Thallium	0.057	U	ug/L	1	0.20	0.057	3/3/2016 19:33	J
Vanadium	5.5		ug/L	1	2.0	0.71	3/3/2016 19:33	J

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

Mercury	0.13		ug/L	1	0.10	0.084	3/8/2016 15:52	T
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### **SEMIVOLATILES**

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482029** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-68** Date Collected: 02/26/16 10:46

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Analysis Desc: SW 8011 Analysis, Water					Preparation Method: SW-846 8011			
					Analytical Method: SW-846 8011			
1,2-Dibromo-3-Chloropropane	<b>0.010</b>	U	ug/L	1	0.021	0.010	3/9/2016 10:18	T
Ethylene Dibromide (EDB)	<b>0.0071</b>	U	ug/L	1	0.021	0.0071	3/9/2016 10:18	T
Tetrachloro-m-xylene (S)	<b>112</b>		%	1	64-150		3/9/2016 10:18	

### VOLATILES

Analysis Desc: 8260B Analysis, Water	Preparation Method: SW-846 5030B							
	Analytical Method: SW-846 8260B							
1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 15:52	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 15:52	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 15:52	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 15:52	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 15:52	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 15:52	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 15:52	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 15:52	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:52	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 15:52	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 15:52	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 15:52	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 15:52	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 15:52	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 15:52	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 15:52	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 15:52	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 15:52	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:52	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 15:52	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 15:52	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 15:52	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 15:52	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 15:52	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 15:52	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 15:52	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 15:52	T
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 15:52	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 15:52	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 15:52	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482029** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-68** Date Collected: 02/26/16 10:46

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 15:52	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 15:52	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 15:52	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 15:52	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 15:52	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 15:52	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 15:52	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 15:52	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 15:52	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 15:52	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 15:52	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 15:52	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 15:52	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 15:52	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 15:52	T
1,2-Dichloroethane-d4 (S)	<b>85</b>	%		1	70-130		3/8/2016 15:52	
Toluene-d8 (S)	<b>98</b>	%		1	70-130		3/8/2016 15:52	
Bromofluorobenzene (S)	<b>99</b>	%		1	70-130		3/8/2016 15:52	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	U	mg/L	1	0.50	0.10	2/27/2016 05:42	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.29</b>		mg/L	1	0.10	0.02	3/8/2016 10:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>220</b>		mg/L	<b>1.25</b>	12	12	3/4/2016 09:12	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>28</b>		mg/L	1	5.0	2.6	3/3/2016 12:50	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482030** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **TH-36A** Date Collected: 02/26/16 10:13

Sample Description: Location:

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

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

Conductivity	210	umhos/cm	1				2/26/2016 10:13
Dissolved Oxygen	0.83	mg/L	1				2/26/2016 10:13
Temperature	25.02	°C	1				2/26/2016 10:13
Turbidity	1.03	NTU	1				2/26/2016 10:13
pH	5.68	SU	1				2/26/2016 10:13

### METALS

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

Beryllium	0.11	U	ug/L	1	0.60	0.11	3/3/2016 05:02	T
Iron	180		ug/L	1	100	21	3/3/2016 05:02	T
Sodium	2.1		mg/L	1	0.20	0.042	3/3/2016 05:02	T
Zinc	12		ug/L	1	10	2.0	3/3/2016 05:02	T

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

Antimony	0.078	I	ug/L	1	0.70	0.046	3/3/2016 19:37	J
Arsenic	0.48	I	ug/L	1	1.0	0.077	3/3/2016 19:37	J
Barium	5.2		ug/L	1	0.60	0.12	3/3/2016 19:37	J
Cadmium	0.028	U	ug/L	1	0.50	0.028	3/3/2016 19:37	J
Chromium	0.66	I	ug/L	1	2.0	0.11	3/3/2016 19:37	J
Cobalt	0.19	U	ug/L	1	0.50	0.19	3/3/2016 19:37	J
Copper	0.48	I	ug/L	1	0.70	0.11	3/3/2016 19:37	J
Lead	0.24	U	ug/L	1	0.70	0.24	3/3/2016 19:37	J
Nickel	0.14	I	ug/L	1	0.80	0.11	3/3/2016 19:37	J
Selenium	0.58	U	ug/L	1	5.0	0.58	3/3/2016 19:37	J
Silver	0.084	I	ug/L	1	0.50	0.027	3/3/2016 19:37	J
Thallium	0.059	I	ug/L	1	0.20	0.057	3/3/2016 19:37	J
Vanadium	1.7	I	ug/L	1	2.0	0.71	3/3/2016 19:37	J

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

Mercury	0.084	U,J4	ug/L	1	0.10	0.084	3/8/2016 15:52	T
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### SEMIVOLATILES

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482030** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-36A** Date Collected: 02/26/16 10:13

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW 8011 Analysis, Water		Preparation Method: SW-846 8011						
Analytical Method: SW-846 8011								
1,2-Dibromo-3-Chloropropane	<b>0.0098</b>	U	ug/L	1	0.020	0.0098	3/9/2016 10:43	T
Ethylene Dibromide (EDB)	<b>0.0069</b>	U	ug/L	1	0.020	0.0069	3/9/2016 10:43	T
Tetrachloro-m-xylene (S)	<b>92</b>		%	1	64-150		3/9/2016 10:43	

### VOLATILES

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

1,1,1,2-Tetrachloroethane	<b>0.64</b>	U	ug/L	1	1.0	0.64	3/8/2016 16:40	T
1,1,1-Trichloroethane	<b>0.44</b>	U	ug/L	1	1.0	0.44	3/8/2016 16:40	T
1,1,2,2-Tetrachloroethane	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 16:40	T
1,1,2-Trichloroethane	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 16:40	T
1,1-Dichloroethane	<b>0.86</b>	U	ug/L	1	1.0	0.86	3/8/2016 16:40	T
1,1-Dichloroethylene	<b>0.70</b>	U	ug/L	1	1.0	0.70	3/8/2016 16:40	T
1,2,3-Trichloropropane	<b>0.58</b>	U	ug/L	1	1.0	0.58	3/8/2016 16:40	T
1,2-Dichlorobenzene	<b>0.63</b>	U	ug/L	1	1.0	0.63	3/8/2016 16:40	T
1,2-Dichloroethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 16:40	T
1,2-Dichloropropane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 16:40	T
1,4-Dichlorobenzene	<b>0.97</b>	U	ug/L	1	1.0	0.97	3/8/2016 16:40	T
2-Butanone (MEK)	<b>0.59</b>	U	ug/L	1	1.0	0.59	3/8/2016 16:40	T
2-Hexanone	<b>0.99</b>	U	ug/L	1	1.0	0.99	3/8/2016 16:40	T
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	U	ug/L	1	1.0	0.93	3/8/2016 16:40	T
Acetone	<b>1.0</b>	U	ug/L	1	1.0	1.0	3/8/2016 16:40	T
Acrylonitrile	<b>4.6</b>	U	ug/L	1	5.0	4.6	3/8/2016 16:40	T
Benzene	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 16:40	T
Bromochloromethane	<b>0.33</b>	U	ug/L	1	1.0	0.33	3/8/2016 16:40	T
Bromodichloromethane	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 16:40	T
Bromoform	<b>0.61</b>	U	ug/L	1	1.0	0.61	3/8/2016 16:40	T
Bromomethane	<b>0.81</b>	U	ug/L	1	1.0	0.81	3/8/2016 16:40	T
Carbon Disulfide	<b>0.49</b>	U	ug/L	1	1.0	0.49	3/8/2016 16:40	T
Carbon Tetrachloride	<b>0.57</b>	U	ug/L	1	1.0	0.57	3/8/2016 16:40	T
Chlorobenzene	<b>0.56</b>	U	ug/L	1	1.0	0.56	3/8/2016 16:40	T
Chloroethane	<b>0.38</b>	U	ug/L	1	1.0	0.38	3/8/2016 16:40	T
Chloroform	<b>0.31</b>	U	ug/L	1	1.0	0.31	3/8/2016 16:40	T
Chloromethane	<b>0.36</b>	U	ug/L	1	1.0	0.36	3/8/2016 16:40	T
Dibromochloromethane	<b>0.27</b>	U	ug/L	1	1.0	0.27	3/8/2016 16:40	T
Dibromomethane	<b>0.76</b>	U	ug/L	1	1.0	0.76	3/8/2016 16:40	T
Ethylbenzene	<b>0.26</b>	U	ug/L	1	1.0	0.26	3/8/2016 16:40	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482030** Date Received: 02/26/16 14:10 Matrix: Water  
 Sample ID: **TH-36A** Date Collected: 02/26/16 10:13

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Iodomethane (Methyl Iodide)	<b>0.65</b>	U	ug/L	1	1.0	0.65	3/8/2016 16:40	T
Methylene Chloride	<b>2.5</b>	U	ug/L	1	5.0	2.5	3/8/2016 16:40	T
Styrene	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 16:40	T
Tetrachloroethylene (PCE)	<b>0.52</b>	U	ug/L	1	1.0	0.52	3/8/2016 16:40	T
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 16:40	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 16:40	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 16:40	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 16:40	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 16:40	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 16:40	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 16:40	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 16:40	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 16:40	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 16:40	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 16:40	T
1,2-Dichloroethane-d4 (S)	<b>83</b>	%	1		70-130		3/8/2016 16:40	
Toluene-d8 (S)	<b>99</b>	%	1		70-130		3/8/2016 16:40	
Bromofluorobenzene (S)	<b>97</b>	%	1		70-130		3/8/2016 16:40	

### **WET CHEMISTRY**

Analysis Desc: IC,E300.0,Water	Analytical Method: EPA 300.0							
Nitrate	<b>0.10</b>	I	mg/L	1	0.50	0.10	2/27/2016 05:59	T
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	<b>0.22</b>		mg/L	1	0.10	0.02	3/8/2016 10:27	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	<b>130</b>		mg/L	<b>1.25</b>	12	12	3/4/2016 09:12	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	<b>3.7</b>	I	mg/L	1	5.0	2.6	3/3/2016 11:02	T

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## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482031** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **Travel Blank** Date Collected: 02/26/16 00:00

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab						
					PQL	MDL								
<b>VOLATILES</b>														
Analysis Desc: 8260B Analysis, Water Preparation Method: SW-846 5030B														
Analytical Method: SW-846 8260B														
1,1,1,2-Tetrachloroethane	<b>0.64</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.64	3/8/2016 17:27	T						
1,1,1-Trichloroethane	<b>0.44</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.44	3/8/2016 17:27	T						
1,1,2,2-Tetrachloroethane	<b>0.17</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.17	3/8/2016 17:27	T						
1,1,2-Trichloroethane	<b>0.40</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.40	3/8/2016 17:27	T						
1,1-Dichloroethane	<b>0.86</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.86	3/8/2016 17:27	T						
1,1-Dichloroethylene	<b>0.70</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.70	3/8/2016 17:27	T						
1,2,3-Trichloropropane	<b>0.58</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.58	3/8/2016 17:27	T						
1,2-Dibromo-3-Chloropropane	<b>0.25</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.25	3/8/2016 17:27	T						
1,2-Dichlorobenzene	<b>0.63</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.63	3/8/2016 17:27	T						
1,2-Dichloroethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 17:27	T						
1,2-Dichloropropane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/8/2016 17:27	T						
1,4-Dichlorobenzene	<b>0.97</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.97	3/8/2016 17:27	T						
2-Butanone (MEK)	<b>0.59</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.59	3/8/2016 17:27	T						
2-Hexanone	<b>0.99</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.99	3/8/2016 17:27	T						
4-Methyl-2-pentanone (MIBK)	<b>0.93</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.93	3/8/2016 17:27	T						
Acetone	<b>1.0</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	1.0	3/8/2016 17:27	T						
Acrylonitrile	<b>4.6</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	4.6	3/8/2016 17:27	T						
Benzene	<b>0.15</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.15	3/8/2016 17:27	T						
Bromochloromethane	<b>0.33</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.33	3/8/2016 17:27	T						
Bromodichloromethane	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 17:27	T						
Bromoform	<b>0.61</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.61	3/8/2016 17:27	T						
Bromomethane	<b>0.81</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.81	3/8/2016 17:27	T						
Carbon Disulfide	<b>0.49</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.49	3/8/2016 17:27	T						
Carbon Tetrachloride	<b>0.57</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.57	3/8/2016 17:27	T						
Chlorobenzene	<b>0.56</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.56	3/8/2016 17:27	T						
Chloroethane	<b>0.38</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.38	3/8/2016 17:27	T						
Chloroform	<b>0.31</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.31	3/8/2016 17:27	T						
Chloromethane	<b>0.36</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.36	3/8/2016 17:27	T						
Dibromochloromethane	<b>0.27</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.27	3/8/2016 17:27	T						
Dibromomethane	<b>0.76</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.76	3/8/2016 17:27	T						
Ethylbenzene	<b>0.26</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.26	3/8/2016 17:27	T						
Ethylene Dibromide (EDB)	<b>0.67</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.67	3/8/2016 17:27	T						
Iodomethane (Methyl Iodide)	<b>0.65</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.65	3/8/2016 17:27	T						
Methylene Chloride	<b>2.5</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	5.0	2.5	3/8/2016 17:27	T						
Styrene	<b>0.84</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.84	3/8/2016 17:27	T						
Tetrachloroethylene (PCE)	<b>0.52</b>	<b>U</b>	<b>ug/L</b>	<b>1</b>	1.0	0.52	3/8/2016 17:27	T						

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Phone: (813)630-9616  
Fax: (813)630-4327

## ANALYTICAL RESULTS

Workorder: T1602482 SELF Semi-Annual

Lab ID: **T1602482031** Date Received: 02/26/16 14:10 Matrix: Water  
Sample ID: **Travel Blank** Date Collected: 02/26/16 00:00

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted	Adjusted	Analyzed	Lab
					PQL	MDL		
Toluene	<b>0.45</b>	U	ug/L	1	1.0	0.45	3/8/2016 17:27	T
Trichloroethene	<b>0.66</b>	U	ug/L	1	1.0	0.66	3/8/2016 17:27	T
Trichlorofluoromethane	<b>0.84</b>	U	ug/L	1	1.0	0.84	3/8/2016 17:27	T
Vinyl Acetate	<b>0.40</b>	U	ug/L	1	1.0	0.40	3/8/2016 17:27	T
Vinyl Chloride	<b>0.15</b>	U	ug/L	1	1.0	0.15	3/8/2016 17:27	T
Xylene (Total)	<b>1.3</b>	U	ug/L	1	3.0	1.3	3/8/2016 17:27	T
cis-1,2-Dichloroethylene	<b>0.51</b>	U	ug/L	1	1.0	0.51	3/8/2016 17:27	T
cis-1,3-Dichloropropene	<b>0.17</b>	U	ug/L	1	1.0	0.17	3/8/2016 17:27	T
trans-1,2-Dichloroethylene	<b>0.50</b>	U	ug/L	1	1.0	0.50	3/8/2016 17:27	T
trans-1,3-Dichloropropylene	<b>0.22</b>	U	ug/L	1	1.0	0.22	3/8/2016 17:27	T
trans-1,4-Dichloro-2-butene	<b>0.35</b>	U	ug/L	1	1.0	0.35	3/8/2016 17:27	T
1,2-Dichloroethane-d4 (S)	<b>83</b>	%	1		70-130		3/8/2016 17:27	
Toluene-d8 (S)	<b>100</b>	%	1		70-130		3/8/2016 17:27	
Bromofluorobenzene (S)	<b>99</b>	%	1		70-130		3/8/2016 17:27	

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Fax: (813)630-4327

## ANALYTICAL RESULTS QUALIFIERS

Workorder: T1602482 SELF Semi-Annual

### PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result

### LAB QUALIFIERS

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: MICt/1176 Analysis Method: SM 9222D  
QC Batch Method: SM 9222D Prepared:  
Associated Lab Samples: T1602482001, T1602482002

METHOD BLANK: 1979970

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

QC Batch: WCAt/1735 Analysis Method: SM 5210B  
QC Batch Method: SM 5210B Prepared:  
Associated Lab Samples: T1602482001, T1602482002, T1602482003

METHOD BLANK: 1980033

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

LABORATORY CONTROL SAMPLE: 1980034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Biochemical Oxygen Demand	mg/L	200	210	106	84.6-115.4

SAMPLE DUPLICATE: 1980035 Original: T1602482002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Biochemical Oxygen Demand	mg/L	4.1	4.0	3	20

QC Batch: WCAt/1746 Analysis Method: SM 4500NO3-F  
QC Batch Method: SM 4500NO3-F Prepared:  
Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007

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Phone: (813)630-9616  
Fax: (813)630-4327

## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1980178

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

LABORATORY CONTROL SAMPLE: 1980179

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980180      1980181      Original: T1602483001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0.43	1	1.5	1.5	106	105	90-110	1	10	

QC Batch: DGMj/1207

Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A

Prepared: 02/26/2016 08:40

Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007, T1602482009,

METHOD BLANK: 1980345

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Vanadium	ug/L	0.71	0.71 U
Chromium	ug/L	0.11	0.11 U
Cobalt	ug/L	0.19	0.19 U
Nickel	ug/L	0.11	0.11 U
Copper	ug/L	0.11	0.11 U
Arsenic	ug/L	0.077	0.077 U
Selenium	ug/L	0.58	0.58 U
Silver	ug/L	0.027	0.027 U
Cadmium	ug/L	0.028	0.028 U
Antimony	ug/L	0.046	0.046 U
Barium	ug/L	0.12	0.12 U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1980345

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

LABORATORY CONTROL SAMPLE & LCSD: 1980346 1980347

Parameter	Units	Spike	LCS	LCSD	LCS	LCSD	% Rec	RPD	Max	RPD Qualifiers
		Conc.	Result	Result	% Rec	% Rec	Limit			
<b>METALS</b>										
Vanadium	ug/L	100	100	100	100	100	80-120	0	20	
Chromium	ug/L	100	100	100	103	101	80-120	2	20	
Cobalt	ug/L	100	97	99	97	99	80-120	1	20	
Nickel	ug/L	100	98	110	98	108	80-120	9	20	
Copper	ug/L	100	97	97	97	97	80-120	0	20	
Arsenic	ug/L	100	100	100	101	101	80-120	0	20	
Selenium	ug/L	100	100	100	104	100	80-120	4	20	
Silver	ug/L	100	100	100	102	102	80-120	0	20	
Cadmium	ug/L	100	100	100	103	104	80-120	1	20	
Antimony	ug/L	100	110	110	107	106	80-120	1	20	
Barium	ug/L	100	100	98	100	98	80-120	2	20	
Thallium	ug/L	100	99	100	99	101	80-120	2	20	
Lead	ug/L	100	100	100	100	101	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980348 1980349 Original: A1601426001

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	RPD	Max
		Result	Conc.	Result	Result	% Rec	% Rec	Limit		
<b>METALS</b>										
Vanadium	ug/L	0	100	100	100	103	103	75-125	0	20
Chromium	ug/L	0	100	100	110	103	106	75-125	3	20
Cobalt	ug/L	0	100	99	100	99	100	75-125	1	20
Nickel	ug/L	0	100	99	100	99	100	75-125	0	20
Copper	ug/L	0	100	97	98	97	98	75-125	1	20
Arsenic	ug/L	0.059	100	100	110	104	105	75-125	2	20
Selenium	ug/L	0	100	110	110	108	109	75-125	1	20
Silver	ug/L	0	100	100	110	105	105	75-125	1	20
Cadmium	ug/L	0	100	110	100	106	105	75-125	1	20
Antimony	ug/L	0	100	110	110	111	110	75-125	1	20
Barium	ug/L	0	100	100	100	105	104	75-125	1	20
Thallium	ug/L	0	100	100	100	104	103	75-125	1	20

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980348      1980349      Original: A1601426001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Lead	ug/L	0	100	100	100	104	104	75-125	1	20	

QC Batch: WCAt/1756      Analysis Method: SM 4500-CI-E

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

Associated Lab Samples: T1602482005, T1602482006, T1602482007, T1602482009, T1602482010, T1602482011

METHOD BLANK: 1980385

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

LABORATORY CONTROL SAMPLE: 1980386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
<b>WET CHEMISTRY</b>						
Chloride	mg/L	50	52	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980387      1980388      Original: T1602482011

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Chloride	mg/L	64	50	120	120	106	106	90-110	0	10	

QC Batch: WCAt/1757      Analysis Method: SM 4500-CI-E

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

Associated Lab Samples: T1602482012, T1602482013, T1602482014, T1602482016, T1602482017, T1602482018

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1980391

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

LABORATORY CONTROL SAMPLE: 1980392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Chloride	mg/L	50	54	107	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980393      1980394      Original: T1602482018

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	76	50	130	130	111	107	90-110	2	10	J4

QC Batch: WCAt/1759      Analysis Method: SM 2340C

QC Batch Method: SM 2340C      Prepared:

Associated Lab Samples: T1602482001, T1602482002, T1602482003

METHOD BLANK: 1980470

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Hardness (as CaCO <sub>3</sub> )	mg/L	2.6	2.6 U

LABORATORY CONTROL SAMPLE: 1980471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Hardness (as CaCO <sub>3</sub> )	mg/L	400	400	100	90-110

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980472      1980473      Original: T1602482001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Hardness (as CaCO <sub>3</sub> )	mg/L	110	200	320	310	104	100	90-110	3	10	

QC Batch: WCAt/1760      Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F      Prepared:

Associated Lab Samples: T1602482009, T1602482010, T1602482011, T1602482012, T1602482013, T1602482014

METHOD BLANK: 1980645

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

LABORATORY CONTROL SAMPLE: 1980646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Nitrate	mg/L	1	1.1	108	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1982612      1982613      Original: S1600202001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>											
Nitrate	mg/L	-0.06	1	1.1	1.1	110	106	90-110	3	10	

QC Batch: DGMT/1098      Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A      Prepared: 02/25/2016 14:15

Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007, T1602482014

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1980834

Parameter	Units	Blank	Reporting	
		Result	Limit	Qualifiers
<b>METALS</b>				
Beryllium	ug/L	0.11	0.11	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.042	0.042	U
Zinc	ug/L	2.0	2.0	U

LABORATORY CONTROL SAMPLE: 1980835

Parameter	Units	Spike	LCS	LCS	% Rec
		Conc.	Result	% Rec	Limits Qualifiers
<b>METALS</b>					
Beryllium	ug/L	400	380	95	80-120
Iron	ug/L	25000	25000	97	80-120
Sodium	mg/L	50	47	94	80-120
Zinc	ug/L	400	370	92	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984209                    1984210                    Original: T1602482014

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max		
		Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Qualifiers
<b>METALS</b>											
Beryllium	ug/L	-0.17	400	390	390	98	98	75-125	0	20	
Iron	ug/L	36	25000	25000	26000	100	101	75-125	1	20	
Sodium	mg/L	17	50	66	67	96	97	75-125	1	20	
Zinc	ug/L	7.4	400	390	390	95	95	75-125	0	20	

QC Batch: DGMt/1099                    Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A                    Prepared: 02/25/2016 14:15

Associated Lab Samples: T1602482016, T1602482017, T1602482018

METHOD BLANK: 1980838

Parameter	Units	Blank	Reporting	
		Result	Limit	Qualifiers
<b>METALS</b>				
Beryllium	ug/L	0.11	0.11	U
Iron	ug/L	21	21	U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1980838

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Sodium	mg/L	0.042	0.042 U
Zinc	ug/L	2.0	2.0 U

LABORATORY CONTROL SAMPLE: 1980839

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Beryllium	ug/L	400	380	95	80-120
Iron	ug/L	25000	25000	98	80-120
Sodium	mg/L	50	49	97	80-120
Zinc	ug/L	400	370	93	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1980840                    1980841                    Original: T1602586002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>METALS</b>											
Beryllium	ug/L	-0.14	400	390	380	97	96	75-125	0	20	
Iron	ug/L	7.9	25000	25000	25000	99	99	75-125	0	20	
Sodium	mg/L	71	50	120	120	91	91	75-125	0	20	
Zinc	ug/L	16	400	390	400	95	96	75-125	1	20	

QC Batch: WCAg/1449                    Analysis Method: SM 5310B

QC Batch Method: SM 5310B                    Prepared:

Associated Lab Samples: T1602482001, T1602482002, T1602482003

METHOD BLANK: 1981640

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1981644

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

LABORATORY CONTROL SAMPLE: 1981636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Total Organic Carbon	mg/L	10	9.6	96	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1981637                    1981638                    Original: M1600679001

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	5.8	26	31	31	100	98	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1981641                    1981642                    Original: T1602482002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Total Organic Carbon	mg/L	12	26	38	38	101	100	90-110	1	10	

QC Batch: WCAt/1784

Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C

Prepared:

Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007, T1602482009,

METHOD BLANK: 1981684

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1981685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	660	620	94	75-125

SAMPLE DUPLICATE: 1981686                              Original: T1602482001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	260	260	1	10
QC Batch:	WCAt/1794		Analysis Method:	SM 2540D	
QC Batch Method:	SM 2540D		Prepared:		
Associated Lab Samples:	T1602482001, T1602482002, T1602482003				

METHOD BLANK: 1982110

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

LABORATORY CONTROL SAMPLE: 1982111

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

SAMPLE DUPLICATE: 1982112                              Original: M1600709003

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
<b>WET CHEMISTRY</b>					
Total Suspended Solids	mg/L		10000	1	10

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: DGMj/1214 Analysis Method: SW-846 6010  
QC Batch Method: SW-846 3010A Prepared: 02/29/2016 09:00  
Associated Lab Samples: T1602482009, T1602482010, T1602482011, T1602482012, T1602482013

METHOD BLANK: 1982146

Parameter	Units	Blank Result	Reporting		
			Limit	Qualifiers	
<b>METALS</b>					
Beryllium	ug/L	0.13	0.13	U	
Iron	ug/L	30	30	U	
Sodium	mg/L	0.16	0.16	U	
Zinc	ug/L	2.0	2.0	U	

LABORATORY CONTROL SAMPLE & LCSD: 1982147 1982148

Parameter	Units	Spike Conc.	LCS Result	LCS	% Rec	LCSD	% Rec	% Rec	Max
				Result	Limit	RPD	Qualifiers		
<b>METALS</b>									
Beryllium	ug/L	400	390	390	98	98	80-120	0	20
Iron	ug/L	25000	22000	23000	88	90	80-120	2	20
Sodium	mg/L	50	44	44	88	88	80-120	0	20
Zinc	ug/L	400	370	370	93	93	80-120	0	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1982149 1982150 Original: J1601923001

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD Qualifiers
<b>METALS</b>										
Beryllium	ug/L	0	400	410	410	101	101	75-125	0	20
Iron	ug/L	0	25000	27000	27000	107	108	75-125	1	20
Sodium	mg/L	0	50	58	58	115	116	75-125	1	20
Zinc	ug/L	0	400	390	390	98	97	75-125	1	20

QC Batch: WCAt/1802 Analysis Method: EPA 410.4

QC Batch Method: EPA 410.4 Prepared:

Associated Lab Samples: T1602482001, T1602482002, T1602482003

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1982441

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

LABORATORY CONTROL SAMPLE: 1982442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Chemical Oxygen Demand	mg/L	500	460	93	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1982443                          1982444                          Original: T1602482001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
WET CHEMISTRY										
Chemical Oxygen Demand	mg/L	45	500	540	520	100	96	90-110	4	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1982445                          1982446                          Original: T1602560002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
WET CHEMISTRY										
Chemical Oxygen Demand	mg/L	17	500	520	490	103	98	90-110	5	10

QC Batch: WCAt/1826                          Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1                          Prepared:

Associated Lab Samples: T1602482005, T1602482006, T1602482007

METHOD BLANK: 1983482

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1983483

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983484      1983485      Original: T1602556001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.04	1	1.4	1.4	136	134	90-110	1	10	J4

QC Batch: WCAt/1827      Analysis Method: SM 4500NO3-F

QC Batch Method: SM 4500NO3-F      Prepared:

Associated Lab Samples: T1602482016, T1602482017, T1602482018

METHOD BLANK: 1983488

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

LABORATORY CONTROL SAMPLE: 1983489

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983490      1983491      Original: T1602613002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	-0.12	1	1.1	1.0	107	103	90-110	3	10	

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9610 Princess Palm Ave Tampa, FL 33619  
Payments: PO. Box 551580 Jacksonville, FL32255-1580  
Phone: (813)630-9616  
Fax: (813)630-4327

## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: WCAt/1830 Analysis Method: EPA 365.4  
QC Batch Method: Copper Sulfate Digestion Prepared: 03/01/2016 16:54  
Associated Lab Samples: T1602482001, T1602482002, T1602482003

METHOD BLANK: 1983516

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

LABORATORY CONTROL SAMPLE: 1983518

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: 1983520                    1983522                    Original: T1602647002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Total Phosphorus (as P)	mg/L	0	1	0.91	0.90	91	90	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983524                    1983526                    Original: T1602681002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Total Phosphorus (as P)	mg/L	0	1	0.90	0.91	90	91	80-120	1	20	

QC Batch: MSVt/1199 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 03/01/2016 00:00

Associated Lab Samples: T1602482001, T1602482002, T1602482004, T1602482005, T1602482006, T1602482007, T1602482009,

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1983941

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Chloromethane	ug/L	0.70	0.70 U
Vinyl Chloride	ug/L	0.73	0.73 U
Bromomethane	ug/L	0.81	0.81 U
Chloroethane	ug/L	0.38	0.38 U
Trichlorofluoromethane	ug/L	0.84	0.84 U
Acetone	ug/L	1.0	1.0 U
1,1-Dichloroethylene	ug/L	0.70	0.70 U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65 U
Acrylonitrile	ug/L	4.6	4.6 U
Methylene Chloride	ug/L	1.0	1.0 U
Carbon Disulfide	ug/L	0.49	0.49 U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50 U
1,1-Dichloroethane	ug/L	0.86	0.86 U
Vinyl Acetate	ug/L	0.40	0.40 U
2-Butanone (MEK)	ug/L	0.59	0.59 U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51 U
Bromochloromethane	ug/L	0.33	0.33 U
Chloroform	ug/L	0.31	0.31 U
1,2-Dichloroethane	ug/L	0.68	0.68 U
1,1,1-Trichloroethane	ug/L	0.44	0.44 U
Carbon Tetrachloride	ug/L	0.57	0.57 U
Benzene	ug/L	0.34	0.34 U
Dibromomethane	ug/L	0.76	0.76 U
1,2-Dichloropropane	ug/L	0.76	0.76 U
Trichloroethene	ug/L	0.66	0.66 U
Bromodichloromethane	ug/L	0.49	0.49 U
cis-1,3-Dichloropropene	ug/L	0.36	0.36 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93 U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.45	0.45 U
2-Hexanone	ug/L	0.99	0.99 U
Dibromochloromethane	ug/L	0.56	0.56 U
Ethylene Dibromide (EDB)	ug/L	0.67	0.67 U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52 U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64 U
Chlorobenzene	ug/L	0.56	0.56 U
Ethylbenzene	ug/L	0.26	0.26 U
Bromoform	ug/L	0.61	0.61 U
Styrene	ug/L	0.84	0.84 U
1,1,2,2-Tetrachloroethane	ug/L	0.41	0.41 U
1,2,3-Trichloropropane	ug/L	0.58	0.58 U
1,4-Dichlorobenzene	ug/L	0.97	0.97 U
1,2-Dichlorobenzene	ug/L	0.63	0.63 U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1983941

Parameter	Units	Blank	Reporting		
		Result	Limit	Qualifiers	
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.25	U	
trans-1,4-Dichloro-2-butene	ug/L	0.35	0.35	U	
Xylene (Total)	ug/L	1.3	1.3	U	
1,2-Dichloroethane-d4 (S)	%	101	70-130		
Toluene-d8 (S)	%	102	70-130		
Bromofluorobenzene (S)	%	105	70-130		

LABORATORY CONTROL SAMPLE: 1983942

Parameter	Units	Spike	LCS	LCS	% Rec		
		Conc.	Result	% Rec	Limits	Qualifiers	
<b>VOLATILES</b>							
Vinyl Chloride	ug/L	20	18	92	70-130		
1,1-Dichloroethylene	ug/L	20	19	94	70-130		
cis-1,2-Dichloroethylene	ug/L	20	19	93	70-130		
Chloroform	ug/L	20	19	94	70-130		
Benzene	ug/L	20	20	98	70-130		
Trichloroethene	ug/L	20	19	94	70-130		
Toluene	ug/L	20	20	99	70-130		
Tetrachloroethylene (PCE)	ug/L	20	21	105	70-130		
Chlorobenzene	ug/L	20	21	104	70-130		
Ethylbenzene	ug/L	20	21	107	70-130		
1,2-Dichlorobenzene	ug/L	20	19	95	70-130		
Xylene (Total)	ug/L	60	65	108	70-130		
1,2-Dichloroethane-d4 (S)	%			97	70-130		
Toluene-d8 (S)	%			107	70-130		
Bromofluorobenzene (S)	%			100	70-130		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983943                    1983944                    Original: T1602482001

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qualifiers
		Result	Conc.	Result	Result	% Rec	% Rec	Limit				
<b>VOLATILES</b>												
Vinyl Chloride	ug/L	0	20	18	18	89	93	70-130	4	30		
1,1-Dichloroethylene	ug/L	0	20	19	20	93	100	70-130	7	30		
cis-1,2-Dichloroethylene	ug/L	0	20	19	20	93	100	70-130	7	30		
Chloroform	ug/L	0	20	18	19	92	97	70-130	5	30		
Benzene	ug/L	0	20	19	20	97	98	70-130	1	30		
Trichloroethene	ug/L	0	20	19	20	94	98	70-130	4	30		

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983943      1983944      Original: T1602482001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
Toluene	ug/L	0	20	20	20	99	98	70-130	1	30	
Tetrachloroethylene (PCE)	ug/L	0	20	19	18	93	89	70-130	4	30	
Chlorobenzene	ug/L	0	20	19	19	96	95	70-130	1	30	
Ethylbenzene	ug/L	0	20	20	19	98	96	70-130	3	30	
1,2-Dichlorobenzene	ug/L	0	20	19	19	94	94	70-130	1	30	
Xylene (Total)	ug/L	0	60	59	57	99	96	70-130	3	30	
1,2-Dichloroethane-d4 (S)	%	107				100	106	70-130	5		
Toluene-d8 (S)	%	102				101	97	70-130	4		
Bromofluorobenzene (S)	%	107				100	100	70-130	0		

QC Batch: DGMj/1224

Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A

Prepared: 03/03/2016 08:50

Associated Lab Samples: T1602482016, T1602482017, T1602482018, T1602482019, T1602482020, T1602482021, T1602482022,

METHOD BLANK: 1983961

Parameter	Units	Blank Result	Reporting Limit Qualifiers	
<b>METALS</b>				
Vanadium	ug/L	0.71	0.71	U
Chromium	ug/L	0.11	0.11	U
Cobalt	ug/L	0.19	0.19	U
Nickel	ug/L	0.11	0.11	U
Copper	ug/L	0.11	0.11	U
Arsenic	ug/L	0.077	0.077	U
Selenium	ug/L	0.58	0.58	U
Silver	ug/L	0.027	0.027	U
Cadmium	ug/L	0.028	0.028	U
Antimony	ug/L	0.046	0.046	U
Barium	ug/L	0.12	0.12	U
Thallium	ug/L	0.057	0.057	U
Lead	ug/L	0.24	0.24	U

LABORATORY CONTROL SAMPLE & LCSD: 1983962      1983963

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
<b>METALS</b>										
Vanadium	ug/L	100	100	100	101	101	80-120	0	20	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE & LCSD: 1983962      1983963

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Chromium	ug/L	100	100	100	102	102	80-120	0	20	
Cobalt	ug/L	100	100	100	101	102	80-120	0	20	
Nickel	ug/L	100	100	100	101	102	80-120	1	20	
Copper	ug/L	100	110	110	107	107	80-120	0	20	
Arsenic	ug/L	100	99	100	99	100	80-120	0	20	
Selenium	ug/L	100	110	110	113	110	80-120	3	20	
Silver	ug/L	100	100	100	102	104	80-120	2	20	
Cadmium	ug/L	100	100	110	105	105	80-120	0	20	
Antimony	ug/L	100	110	110	107	108	80-120	1	20	
Barium	ug/L	100	100	100	102	101	80-120	1	20	
Thallium	ug/L	100	100	100	101	100	80-120	0	20	
Lead	ug/L	100	100	100	100	101	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983964      1983965      Original: T1602482016

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Vanadium	ug/L	1.6	200	200	200	100	99	75-125	1	20	
Chromium	ug/L	0.85	200	200	200	99	99	75-125	0	20	
Cobalt	ug/L	0.31	200	200	200	98	100	75-125	2	20	
Nickel	ug/L	0.3	200	200	200	98	99	75-125	1	20	
Copper	ug/L	0.035	200	200	200	101	101	75-125	0	20	
Arsenic	ug/L	2.5	200	200	200	100	99	75-125	1	20	
Selenium	ug/L	0.99	200	220	210	109	107	75-125	2	20	
Silver	ug/L	0.12	200	200	200	102	101	75-125	0	20	
Cadmium	ug/L	0.11	200	210	210	104	104	75-125	0	20	
Antimony	ug/L	0.52	200	210	220	106	108	75-125	2	20	
Barium	ug/L	1.7	200	200	200	99	99	75-125	0	20	
Thallium	ug/L	0.15	200	210	200	103	102	75-125	1	20	
Lead	ug/L	0.13	200	200	200	101	101	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983966      1983967      Original: A1601531002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
<b>METALS</b>											
Vanadium	ug/L	0	100	110	100	111	104	75-125	6	20	
Chromium	ug/L	0	100	100	98	103	98	75-125	5	20	
Cobalt	ug/L	0	100	100	95	100	95	75-125	5	20	
Nickel	ug/L	0	100	99	94	99	94	75-125	5	20	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1983966      1983967      Original: A1601531002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
Copper	ug/L	0	100	100	95	101	95	75-125	6	20	
Arsenic	ug/L	0.2	100	100	98	102	97	75-125	4	20	
Selenium	ug/L	0	100	110	100	106	103	75-125	3	20	
Silver	ug/L	0	100	100	96	102	96	75-125	5	20	
Cadmium	ug/L	0	100	110	100	108	102	75-125	6	20	
Antimony	ug/L	0	100	110	110	113	106	75-125	6	20	
Barium	ug/L	0	100	110	100	111	104	75-125	6	20	
Thallium	ug/L	0	100	100	100	104	100	75-125	5	20	
Lead	ug/L	0.033	100	110	100	105	101	75-125	4	20	

QC Batch: WCAt/1833      Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C      Prepared:

Associated Lab Samples: T1602482016, T1602482017, T1602482018, T1602482019, T1602482020, T1602482021, T1602482022,

METHOD BLANK: 1983993

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

LABORATORY CONTROL SAMPLE: 1983994

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>WET CHEMISTRY</b>					
Total Dissolved Solids	mg/L	660	650	99	75-125

SAMPLE DUPLICATE: 1983995      Original: T1602482016

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
<b>WET CHEMISTRY</b>						
Total Dissolved Solids	mg/L	160	160	0	10	
QC Batch:	DGMt/1106		Analysis Method:		SW-846 6010	
QC Batch Method:	SW-846 3010A		Prepared:		03/02/2016 12:00	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023, T1602482024, T1602482026,

METHOD BLANK: 1984648

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>METALS</b>				
Beryllium	ug/L	0.11	0.11	U
Iron	ug/L	21	21	U
Sodium	mg/L	0.042	0.042	U
Zinc	ug/L	2.0	2.0	U

LABORATORY CONTROL SAMPLE: 1984649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
					Limits	Qualifiers
<b>METALS</b>						
Beryllium	ug/L	400	380	95	80-120	
Iron	ug/L	25000	25000	98	80-120	
Sodium	mg/L	50	51	101	80-120	
Zinc	ug/L	400	380	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984650                    1984651                    Original: T1602547003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max Qualifiers
<b>METALS</b>										
Beryllium	ug/L	1	400	380	380	95	94	75-125	1	20
Iron	ug/L	46000	25000	70000	70000	92	92	75-125	0	20
Sodium	mg/L	4.1	50	55	55	101	100	75-125	0	20
Zinc	ug/L	9.5	400	380	380	94	93	75-125	0	20

QC Batch: EXTr1122                    Analysis Method: SW-846 8011

QC Batch Method: SW-846 8011                    Prepared: 03/02/2016 16:01

Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007, T1602482009,

METHOD BLANK: 1984921

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
<b>SEMIVOLATILES</b>				

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1984921

Parameter	Units	Blank	Reporting	
		Result	Limit	Qualifiers
Ethylene Dibromide (EDB)	ug/L	0.0069	0.0069	U
1,2-Dibromo-3-Chloropropane	ug/L	0.0097	0.0097	U
Tetrachloro-m-xylene (S)	%	112	64-150	

LABORATORY CONTROL SAMPLE: 1984922

Parameter	Units	Spike	LCS	LCS	% Rec	
		Conc.	Result	% Rec	Limits	Qualifiers
<b>SEMIVOLATILES</b>						
Ethylene Dibromide (EDB)	ug/L	0.25	0.19	77	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.22	88	70-130	
Tetrachloro-m-xylene (S)	%			113	64-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984923                    1984924                    Original: T1602286001

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max		
		Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Qualifiers
<b>SEMIVOLATILES</b>											
Ethylene Dibromide (EDB)	ug/L	0	0.26	0.25	0.32	95	117	70-130	25	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.26	0.30	0.36	114	129	70-130	17	30	
Tetrachloro-m-xylene (S)	%					114	134	64-150	21		

QC Batch: WCAt/1850

Analysis Method: SM 4500-CI-E

QC Batch Method: SM 4500-CI-E

Prepared:

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023, T1602482024, T1602482026,

METHOD BLANK: 1985607

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1985608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Chloride	mg/L	50	53	106	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1985609                    1985610                    Original: T1602482019

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Chloride	mg/L	6.4	50	60	61	108	109	90-110	1	10	

QC Batch: WCAt/1851                    Analysis Method: SM 4500-CI-E

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

Associated Lab Samples: T1602482030

METHOD BLANK: 1985611

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

LABORATORY CONTROL SAMPLE: 1985612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Chloride	mg/L	50	53	106	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1985613                    1985614                    Original: T1602482030

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Chloride	mg/L	3.7	50	56	57	105	107	90-110	2	10	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: WCAt/1857 Analysis Method: SM 4500-CI-E

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

Associated Lab Samples: T1602482029

METHOD BLANK: 1986002

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

LABORATORY CONTROL SAMPLE: 1986003

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1986004 1986005 Original: T1602482029

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
WET CHEMISTRY											
Chloride	mg/L	28	50	80	81	104	106	90-110	1	10	

QC Batch: MSVt/1211 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 03/03/2016 00:00

Associated Lab Samples: T1602482003, T1602482008, T1602482013, T1602482014, T1602482015, T1602482016, T1602482017, T1602482018

METHOD BLANK: 1987184

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Chloromethane	ug/L	0.70	0.70	U
Vinyl Chloride	ug/L	0.73	0.73	U
Bromomethane	ug/L	0.81	0.81	U
Chloroethane	ug/L	0.38	0.38	U
Trichlorofluoromethane	ug/L	0.84	0.84	U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1987184

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Acetone	ug/L	1.0	1.0 U
1,1-Dichloroethylene	ug/L	0.70	0.70 U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65 U
Acrylonitrile	ug/L	4.6	4.6 U
Methylene Chloride	ug/L	1.0	1.0 U
Carbon Disulfide	ug/L	0.49	0.49 U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50 U
1,1-Dichloroethane	ug/L	0.86	0.86 U
Vinyl Acetate	ug/L	0.40	0.40 U
2-Butanone (MEK)	ug/L	0.59	0.59 U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51 U
Bromochloromethane	ug/L	0.33	0.33 U
Chloroform	ug/L	0.31	0.31 U
1,2-Dichloroethane	ug/L	0.68	0.68 U
1,1,1-Trichloroethane	ug/L	0.44	0.44 U
Carbon Tetrachloride	ug/L	0.57	0.57 U
Benzene	ug/L	0.34	0.34 U
Dibromomethane	ug/L	0.76	0.76 U
1,2-Dichloropropane	ug/L	0.76	0.76 U
Trichloroethene	ug/L	0.66	0.66 U
Bromodichloromethane	ug/L	0.49	0.49 U
cis-1,3-Dichloropropene	ug/L	0.36	0.36 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93 U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.45	0.45 U
2-Hexanone	ug/L	0.99	0.99 U
Dibromochloromethane	ug/L	0.56	0.56 U
Ethylene Dibromide (EDB)	ug/L	0.67	0.67 U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52 U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64 U
Chlorobenzene	ug/L	0.56	0.56 U
Ethylbenzene	ug/L	0.26	0.26 U
Bromoform	ug/L	0.61	0.61 U
Styrene	ug/L	0.84	0.84 U
1,1,2,2-Tetrachloroethane	ug/L	0.41	0.41 U
1,2,3-Trichloropropane	ug/L	0.58	0.58 U
1,4-Dichlorobenzene	ug/L	0.97	0.97 U
1,2-Dichlorobenzene	ug/L	0.63	0.63 U
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.25 U
trans-1,4-Dichloro-2-butene	ug/L	0.35	0.35 U
Xylene (Total)	ug/L	1.3	1.3 U
1,2-Dichloroethane-d4 (S)	%	101	70-130
Toluene-d8 (S)	%	102	70-130
Bromofluorobenzene (S)	%	107	70-130

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1987184

LABORATORY CONTROL SAMPLE: 1987185

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
<b>VOLATILES</b>						
Vinyl Chloride	ug/L	20	19	93	70-130	
1,1-Dichloroethylene	ug/L	20	19	97	70-130	
cis-1,2-Dichloroethylene	ug/L	20	19	94	70-130	
Chloroform	ug/L	20	19	96	70-130	
Benzene	ug/L	20	19	95	70-130	
Trichloroethene	ug/L	20	19	95	70-130	
Toluene	ug/L	20	20	98	70-130	
Tetrachloroethylene (PCE)	ug/L	20	19	93	70-130	
Chlorobenzene	ug/L	20	19	94	70-130	
Ethylbenzene	ug/L	20	19	97	70-130	
1,2-Dichlorobenzene	ug/L	20	19	96	70-130	
Xylene (Total)	ug/L	60	58	97	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	
Bromofluorobenzene (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1987186      1987187      Original: T1602482013

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD RPD	Max Qualifiers
<b>VOLATILES</b>										
Vinyl Chloride	ug/L	0	20	19	18	94	92	70-130	2	30
1,1-Dichloroethylene	ug/L	0	20	19	21	97	103	70-130	6	30
cis-1,2-Dichloroethylene	ug/L	0	20	19	20	95	102	70-130	6	30
Chloroform	ug/L	0	20	19	20	97	102	70-130	5	30
Benzene	ug/L	0	20	19	20	95	99	70-130	4	30
Trichloroethene	ug/L	0	20	20	20	98	100	70-130	2	30
Toluene	ug/L	0	20	20	21	102	103	70-130	0	30
Tetrachloroethylene (PCE)	ug/L	0	20	22	23	110	114	70-130	4	30
Chlorobenzene	ug/L	0	20	19	19	96	97	70-130	1	30
Ethylbenzene	ug/L	0	20	20	20	101	99	70-130	2	30
1,2-Dichlorobenzene	ug/L	0	20	19	20	97	98	70-130	1	30
Xylene (Total)	ug/L	0	60	60	59	100	99	70-130	1	30
1,2-Dichloroethane-d4 (S)	%	105				102	101	70-130	1	
Toluene-d8 (S)	%	101				98	99	70-130	1	
Bromofluorobenzene (S)	%	107				101	101	70-130	0	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: WCAt/1879 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1602482026, T1602482027, T1602482028, T1602482029, T1602482030

METHOD BLANK: 1987239

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

LABORATORY CONTROL SAMPLE: 1987240

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

SAMPLE DUPLICATE: 1987241

Original: T1602482026

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	320	320	1	10	
QC Batch: WCAg/1517						
QC Batch Method: SM 10200 H			Analysis Method: SM 10200 H			
Associated Lab Samples:			Prepared:			
Associated Lab Samples: T1602482001, T1602482002, T1602482003						

METHOD BLANK: 1988233

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

SAMPLE DUPLICATE: 1988234                      Original: T1602482001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Chlorophyll A	ug/L	21	21	0	20
QC Batch:	WCAt/1910		Analysis Method:	EPA 350.1	
QC Batch Method:	EPA 350.1		Prepared:		
Associated Lab Samples: T1602482009, T1602482010, T1602482011, T1602482012, T1602482013, T1602482014, T1602482016, T1602482017,					

METHOD BLANK: 1988257

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

LABORATORY CONTROL SAMPLE: 1988258

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988259                      1988260                      Original: T1602617002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	MSD % Rec	MS % Rec	Max RPD	Max RPD Qualifiers
WET CHEMISTRY												
Ammonia (N)	mg/L	0	1	1.1	1.1	106	105	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988459                      1988460                      Original: T1602595001

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

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

QC Batch: WCAt/1912 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023, T1602482024

METHOD BLANK: 1988294

Parameter	Units	Blank Result	Reporting Limit Qualifiers	
			LCS	% Rec
<b>WET CHEMISTRY</b>				
Ammonia (N)	mg/L	0.02	0.02	U

LABORATORY CONTROL SAMPLE: 1988295

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988296 1988297 Original: T1602600005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max
<b>WET CHEMISTRY</b>										
Ammonia (N)	mg/L	0	1	1.1	1.1	106	108	90-110	2	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988455 1988456 Original: T1602657001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max
<b>WET CHEMISTRY</b>										
Ammonia (N)	mg/L	0	1	1.1	1.1	109	107	90-110	1	10

QC Batch: WCAt/1922 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1602482026, T1602482027, T1602482028, T1602482029, T1602482030

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1988690

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

LABORATORY CONTROL SAMPLE: 1988691

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988692      1988693      Original: T1602951002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.96	1	2.0	2.0	103	105	90-110	1	10	

QC Batch: DGMt/1119

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 03/07/2016 12:40

Associated Lab Samples: T1602482001, T1602482002, T1602482003, T1602482005, T1602482006, T1602482007, T1602482009,

METHOD BLANK: 1988957

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Mercury	ug/L	0.084	0.084 U

LABORATORY CONTROL SAMPLE: 1988958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
METALS					
Mercury	ug/L	1	0.96	96	80-120

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988959 1988960 Original: T1602482012

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.014	1	0.92	0.86	92	86	80-120	6	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988961 1988962 Original: T1602482023

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.02	1	1.0	0.96	101	97	80-120	5	20	

QC Batch: MSVt/1225 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B Prepared: 03/07/2016 00:00

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023

METHOD BLANK: 1988982

Parameter	Units	Blank Result	Reporting Limit Qualifiers
VOLATILES			
Chloromethane	ug/L	0.70	0.70 U
Vinyl Chloride	ug/L	0.73	0.73 U
Bromomethane	ug/L	0.81	0.81 U
Chloroethane	ug/L	0.38	0.38 U
Trichlorofluoromethane	ug/L	0.84	0.84 U
Acetone	ug/L	1.0	1.0 U
1,1-Dichloroethylene	ug/L	0.70	0.70 U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65 U
Acrylonitrile	ug/L	4.6	4.6 U
Methylene Chloride	ug/L	1.0	1.0 U
Carbon Disulfide	ug/L	0.49	0.49 U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50 U
1,1-Dichloroethane	ug/L	0.86	0.86 U
Vinyl Acetate	ug/L	0.40	0.40 U
2-Butanone (MEK)	ug/L	0.59	0.59 U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51 U
Bromoform	ug/L	0.33	0.33 U
1,2-Dichloroethane	ug/L	0.68	0.68 U
1,1,1-Trichloroethane	ug/L	0.44	0.44 U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1988982

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Carbon Tetrachloride	ug/L	0.57	0.57 U
Benzene	ug/L	0.34	0.34 U
Dibromomethane	ug/L	0.76	0.76 U
1,2-Dichloropropane	ug/L	0.76	0.76 U
Trichloroethene	ug/L	0.66	0.66 U
Bromodichloromethane	ug/L	0.49	0.49 U
cis-1,3-Dichloropropene	ug/L	0.36	0.36 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93 U
trans-1,3-Dichloropropylene	ug/L	0.42	0.42 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.45	0.45 U
2-Hexanone	ug/L	0.99	0.99 U
Dibromochloromethane	ug/L	0.56	0.56 U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52 U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64 U
Chlorobenzene	ug/L	0.56	0.56 U
Ethylbenzene	ug/L	0.26	0.26 U
Bromoform	ug/L	0.61	0.61 U
Styrene	ug/L	0.84	0.84 U
1,1,2,2-Tetrachloroethane	ug/L	0.41	0.41 U
1,2,3-Trichloropropane	ug/L	0.58	0.58 U
1,4-Dichlorobenzene	ug/L	0.97	0.97 U
1,2-Dichlorobenzene	ug/L	0.63	0.63 U
trans-1,4-Dichloro-2-butene	ug/L	0.35	0.35 U
Xylene (Total)	ug/L	1.3	1.3 U
1,2-Dichloroethane-d4 (S)	%	118	70-130
Toluene-d8 (S)	%	99	70-130
Bromofluorobenzene (S)	%	106	70-130

LABORATORY CONTROL SAMPLE: 1988983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>VOLATILES</b>					
Vinyl Chloride	ug/L	20	19	95	70-130
1,1-Dichloroethylene	ug/L	20	22	111	70-130
cis-1,2-Dichloroethylene	ug/L	20	22	109	70-130
Chloroform	ug/L	20	22	112	70-130
Benzene	ug/L	20	21	105	70-130
Trichloroethene	ug/L	20	21	105	70-130
Toluene	ug/L	20	20	99	70-130
Tetrachloroethylene (PCE)	ug/L	20	20	100	70-130

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1988983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Chlorobenzene	ug/L	20	20	101	70-130
Ethylbenzene	ug/L	20	21	103	70-130
1,2-Dichlorobenzene	ug/L	20	21	104	70-130
Xylene (Total)	ug/L	60	61	102	70-130
1,2-Dichloroethane-d4 (S)	%			115	70-130
Toluene-d8 (S)	%			99	70-130
Bromofluorobenzene (S)	%			103	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1988984                    1988985                    Original: M1600737001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
<b>VOLATILES</b>											
Vinyl Chloride	ug/L	0	20	20	19	98	95	70-130	4	30	
1,1-Dichloroethylene	ug/L	0	20	23	22	113	111	70-130	2	30	
cis-1,2-Dichloroethylene	ug/L	0	20	22	22	111	109	70-130	2	30	
Chloroform	ug/L	0	20	23	23	115	115	70-130	1	30	
Benzene	ug/L	0	20	21	22	107	108	70-130	1	30	
Trichloroethene	ug/L	0	20	22	21	108	104	70-130	4	30	
Toluene	ug/L	0	20	19	19	96	95	70-130	1	30	
Tetrachloroethylene (PCE)	ug/L	0	20	20	20	99	98	70-130	1	30	
Chlorobenzene	ug/L	0	20	20	20	98	98	70-130	0	30	
Ethylbenzene	ug/L	0	20	20	20	101	101	70-130	0	30	
1,2-Dichlorobenzene	ug/L	0	20	21	21	107	105	70-130	2	30	
Xylene (Total)	ug/L	0	60	60	60	100	100	70-130	0	30	
1,2-Dichloroethane-d4 (S)	%	119				112	118	70-130	5		
Toluene-d8 (S)	%	101				94	94	70-130	0		
Bromofluorobenzene (S)	%	104				104	103	70-130	1		

QC Batch: EXTT/1140                    Analysis Method: SW-846 8011

QC Batch Method: SW-846 8011                    Prepared: 03/08/2016 10:00

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023, T1602482024, T1602482026,

METHOD BLANK: 1989405

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>SEMOVOLATILES</b>			
Ethylene Dibromide (EDB)	ug/L	0.0069	0.0069 U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1989405

Parameter	Units	Blank	Reporting		Qualifiers
		Result	Limit	Qualifiers	
1,2-Dibromo-3-Chloropropane	ug/L	0.0097	0.0097	U	
Tetrachloro-m-xylene (S)	%	67	64-150		

LABORATORY CONTROL SAMPLE: 1989406

Parameter	Units	Spike	LCS	LCS	% Rec	
		Conc.	Result	% Rec	Limits	Qualifiers
<b>SEMIVOLATILES</b>						
Ethylene Dibromide (EDB)	ug/L	0.25	0.21	85	70-130	
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.19	76	70-130	
Tetrachloro-m-xylene (S)	%			84	64-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1989407                    1989408                    Original: T1602603002

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max		
		Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Qualifiers
<b>SEMIVOLATILES</b>											
Ethylene Dibromide (EDB)	ug/L	0	0.24	0.22	0.28	91	110	70-130	21	30	
1,2-Dibromo-3-Chloropropane	ug/L	0	0.24	0.22	0.30	92	121	70-130	29	30	
Tetrachloro-m-xylene (S)	%					67	65	64-150	1		

QC Batch:                    DGMt/1129                    Analysis Method:                    SW-846 7470A

QC Batch Method:            SW-846 7470A                    Prepared:                    03/07/2016 16:00

Associated Lab Samples:    T1602482024, T1602482026, T1602482027, T1602482028, T1602482029, T1602482030

METHOD BLANK: 1990118

Parameter	Units	Blank	Reporting		Qualifiers
		Result	Limit	Qualifiers	
<b>METALS</b>					
Mercury	ug/L	0.084	0.084	U	

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1990119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>METALS</b>					
Mercury	ug/L	1	0.86	86	80-120

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990120                    1990121                    Original: T1602482030

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>METALS</b>											
Mercury	ug/L	0	1	0.78	0.78	78	78	80-120	1	20	J4

QC Batch: MSVt/1227                    Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5030B                    Prepared: 03/08/2016 00:00

Associated Lab Samples: T1602482024, T1602482025, T1602482026, T1602482027, T1602482028, T1602482029, T1602482030, T1602482031

METHOD BLANK: 1990305

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>VOLATILES</b>			
Chloromethane	ug/L	0.36	0.36 U
Vinyl Chloride	ug/L	0.15	0.15 U
Bromomethane	ug/L	0.81	0.81 U
Chloroethane	ug/L	0.38	0.38 U
Trichlorofluoromethane	ug/L	0.84	0.84 U
Acetone	ug/L	1.0	1.0 U
1,1-Dichloroethylene	ug/L	0.70	0.70 U
Iodomethane (Methyl Iodide)	ug/L	0.65	0.65 U
Acrylonitrile	ug/L	4.6	4.6 U
Methylene Chloride	ug/L	2.5	2.5 U
Carbon Disulfide	ug/L	0.49	0.49 U
trans-1,2-Dichloroethylene	ug/L	0.50	0.50 U
1,1-Dichloroethane	ug/L	0.86	0.86 U
Vinyl Acetate	ug/L	0.40	0.40 U
2-Butanone (MEK)	ug/L	0.59	0.59 U
cis-1,2-Dichloroethylene	ug/L	0.51	0.51 U
Bromochloromethane	ug/L	0.33	0.33 U
Chloroform	ug/L	0.31	0.31 U
1,2-Dichloroethane	ug/L	0.49	0.49 U
1,1,1-Trichloroethane	ug/L	0.44	0.44 U

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1990305

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Carbon Tetrachloride	ug/L	0.57	0.57 U
Benzene	ug/L	0.15	0.15 U
Dibromomethane	ug/L	0.76	0.76 U
1,2-Dichloropropane	ug/L	0.76	0.76 U
Trichloroethene	ug/L	0.66	0.66 U
Bromodichloromethane	ug/L	0.49	0.49 U
cis-1,3-Dichloropropene	ug/L	0.17	0.17 U
4-Methyl-2-pentanone (MIBK)	ug/L	0.93	0.93 U
trans-1,3-Dichloropropylene	ug/L	0.22	0.22 U
1,1,2-Trichloroethane	ug/L	0.40	0.40 U
Toluene	ug/L	0.45	0.45 U
2-Hexanone	ug/L	0.99	0.99 U
Dibromochloromethane	ug/L	0.27	0.27 U
Ethylene Dibromide (EDB)	ug/L	0.67	0.67 U
Tetrachloroethylene (PCE)	ug/L	0.52	0.52 U
1,1,1,2-Tetrachloroethane	ug/L	0.64	0.64 U
Chlorobenzene	ug/L	0.56	0.56 U
Ethylbenzene	ug/L	0.26	0.26 U
Bromoform	ug/L	0.61	0.61 U
Styrene	ug/L	0.84	0.84 U
1,1,2,2-Tetrachloroethane	ug/L	0.17	0.17 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
1,2-Dibromo-3-Chloropropane	ug/L	0.25	0.25 U
trans-1,4-Dichloro-2-butene	ug/L	0.35	0.35 U
Xylene (Total)	ug/L	1.3	1.3 U
1,2-Dichloroethane-d4 (S)	%	95	70-130
Toluene-d8 (S)	%	101	70-130
Bromofluorobenzene (S)	%	100	70-130

LABORATORY CONTROL SAMPLE: 1990306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>VOLATILES</b>					
Vinyl Chloride	ug/L	20	24	119	70-130
1,1-Dichloroethylene	ug/L	20	23	114	70-130
cis-1,2-Dichloroethylene	ug/L	20	21	105	70-130
Chloroform	ug/L	20	23	117	70-130
Benzene	ug/L	20	21	106	70-130
Trichloroethene	ug/L	20	24	119	70-130

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

LABORATORY CONTROL SAMPLE: 1990306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
Toluene	ug/L	20	22	108	70-130
Tetrachloroethylene (PCE)	ug/L	20	23	114	70-130
Chlorobenzene	ug/L	20	22	110	70-130
Ethylbenzene	ug/L	20	22	110	70-130
1,2-Dichlorobenzene	ug/L	20	23	117	70-130
Xylene (Total)	ug/L	60	69	114	70-130
1,2-Dichloroethane-d4 (S)	%			106	70-130
Toluene-d8 (S)	%			97	70-130
Bromofluorobenzene (S)	%			97	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1990307                    1990308                    Original: T1602482024

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Max Qualifiers
<b>VOLATILES</b>											
Vinyl Chloride	ug/L	0	20	25	23	124	116	70-130	6	30	
1,1-Dichloroethylene	ug/L	0	20	24	22	121	112	70-130	8	30	
cis-1,2-Dichloroethylene	ug/L	0	20	22	22	111	111	70-130	1	30	
Chloroform	ug/L	0	20	22	21	111	107	70-130	3	30	
Benzene	ug/L	0	20	22	21	110	105	70-130	5	30	
Trichloroethene	ug/L	0	20	25	23	124	117	70-130	6	30	
Toluene	ug/L	0	20	22	21	108	105	70-130	3	30	
Tetrachloroethylene (PCE)	ug/L	0	20	23	22	115	111	70-130	4	30	
Chlorobenzene	ug/L	0	20	23	22	114	110	70-130	4	30	
Ethylbenzene	ug/L	0	20	23	21	113	107	70-130	5	30	
1,2-Dichlorobenzene	ug/L	0	20	24	24	120	118	70-130	2	30	
Xylene (Total)	ug/L	0	60	69	68	115	113	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%	89				100	96	70-130	4		
Toluene-d8 (S)	%	98				97	99	70-130	1		
Bromofluorobenzene (S)	%	101				98	99	70-130	1		

QC Batch: WCAt/2052

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Prepared:

Associated Lab Samples: T1602482019, T1602482020, T1602482021, T1602482022, T1602482023, T1602482024, T1602482026,

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## QUALITY CONTROL DATA

Workorder: T1602482 SELF Semi-Annual

METHOD BLANK: 1997777

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrate	mg/L	0.10	0.10 U

LABORATORY CONTROL SAMPLE: 1997778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Nitrate	mg/L	2.5	2.6	103	90-110

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1997779                    1997780                    Original: T1602482024

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	0	2.5	2.6	2.5	103	102	90-110	1	10	

## QUALITY CONTROL DATA QUALIFIERS

Workorder: T1602482 SELF Semi-Annual

### QUALITY CONTROL PARAMETER QUALIFIERS

- U     The compound was analyzed for but not detected.
- I     The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4    Estimated Result

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482001	Mine-Cut			SM 9222D	MICT/1176
T1602482002	Stream 3C2			SM 9222D	MICT/1176
T1602482001	Mine-Cut			SM 5210B	WCAt/1735
T1602482002	Stream 3C2			SM 5210B	WCAt/1735
T1602482003	Field Blank			SM 5210B	WCAt/1735
T1602482001	Mine-Cut			SM 4500NO3-F	WCAt/1746
T1602482002	Stream 3C2			SM 4500NO3-F	WCAt/1746
T1602482003	Field Blank			SM 4500NO3-F	WCAt/1746
T1602482005	Keene Residence			SM 4500NO3-F	WCAt/1746
T1602482006	Barnes Residence			SM 4500NO3-F	WCAt/1746
T1602482007	Holland Residence			SM 4500NO3-F	WCAt/1746
T1602482001	Mine-Cut	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482002	Stream 3C2	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482003	Field Blank	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482005	Keene Residence	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482006	Barnes Residence	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482007	Holland Residence	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482009	TH-19	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482010	TH-71A	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482011	TH-57	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482012	TH-72	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482013	TH-78	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482014	TH-40	SW-846 3010A	DGMj/1207	SW-846 6020	ICMj/1047
T1602482005	Keene Residence			SM 4500-CI-E	WCAt/1756
T1602482006	Barnes Residence			SM 4500-CI-E	WCAt/1756
T1602482007	Holland Residence			SM 4500-CI-E	WCAt/1756
T1602482009	TH-19			SM 4500-CI-E	WCAt/1756
T1602482010	TH-71A			SM 4500-CI-E	WCAt/1756
T1602482011	TH-57			SM 4500-CI-E	WCAt/1756

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482012	TH-72			SM 4500-CI-E	WCAt/1757
T1602482013	TH-78			SM 4500-CI-E	WCAt/1757
T1602482014	TH-40			SM 4500-CI-E	WCAt/1757
T1602482016	TH-66			SM 4500-CI-E	WCAt/1757
T1602482017	TH-58			SM 4500-CI-E	WCAt/1757
T1602482018	TH-28A			SM 4500-CI-E	WCAt/1757
T1602482001	Mine-Cut			SM 2340C	WCAt/1759
T1602482002	Stream 3C2			SM 2340C	WCAt/1759
T1602482003	Field Blank			SM 2340C	WCAt/1759
T1602482009	TH-19			SM 4500NO3-F	WCAt/1760
T1602482010	TH-71A			SM 4500NO3-F	WCAt/1760
T1602482011	TH-57			SM 4500NO3-F	WCAt/1760
T1602482012	TH-72			SM 4500NO3-F	WCAt/1760
T1602482013	TH-78			SM 4500NO3-F	WCAt/1760
T1602482014	TH-40			SM 4500NO3-F	WCAt/1760
T1602482001	Mine-Cut	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482002	Stream 3C2	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482003	Field Blank	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482005	Keene Residence	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482006	Barnes Residence	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482007	Holland Residence	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482014	TH-40	SW-846 3010A	DGMt/1098	SW-846 6010	ICPt/1064
T1602482016	TH-66	SW-846 3010A	DGMt/1099	SW-846 6010	ICPt/1065
T1602482017	TH-58	SW-846 3010A	DGMt/1099	SW-846 6010	ICPt/1065
T1602482018	TH-28A	SW-846 3010A	DGMt/1099	SW-846 6010	ICPt/1065
T1602482001	Mine-Cut			SM 5310B	WCAg/1449
T1602482002	Stream 3C2			SM 5310B	WCAg/1449
T1602482003	Field Blank			SM 5310B	WCAg/1449

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482001	Mine-Cut			SM 2540 C	WCAt/1784
T1602482002	Stream 3C2			SM 2540 C	WCAt/1784
T1602482003	Field Blank			SM 2540 C	WCAt/1784
T1602482005	Keene Residence			SM 2540 C	WCAt/1784
T1602482006	Barnes Residence			SM 2540 C	WCAt/1784
T1602482007	Holland Residence			SM 2540 C	WCAt/1784
T1602482009	TH-19			SM 2540 C	WCAt/1784
T1602482010	TH-71A			SM 2540 C	WCAt/1784
T1602482011	TH-57			SM 2540 C	WCAt/1784
T1602482012	TH-72			SM 2540 C	WCAt/1784
T1602482013	TH-78			SM 2540 C	WCAt/1784
T1602482014	TH-40			SM 2540 C	WCAt/1784
T1602482001	Mine-Cut			SM 2540D	WCAt/1794
T1602482002	Stream 3C2			SM 2540D	WCAt/1794
T1602482003	Field Blank			SM 2540D	WCAt/1794
T1602482009	TH-19	SW-846 3010A	DGMj/1214	SW-846 6010	ICPj/1120
T1602482010	TH-71A	SW-846 3010A	DGMj/1214	SW-846 6010	ICPj/1120
T1602482011	TH-57	SW-846 3010A	DGMj/1214	SW-846 6010	ICPj/1120
T1602482012	TH-72	SW-846 3010A	DGMj/1214	SW-846 6010	ICPj/1120
T1602482013	TH-78	SW-846 3010A	DGMj/1214	SW-846 6010	ICPj/1120
T1602482001	Mine-Cut			EPA 410.4	WCAt/1802
T1602482002	Stream 3C2			EPA 410.4	WCAt/1802
T1602482003	Field Blank			EPA 410.4	WCAt/1802
T1602482001	Mine-Cut			DEP SOP 10/03/83	WCAt/1824
T1602482002	Stream 3C2			DEP SOP 10/03/83	WCAt/1824
T1602482003	Field Blank			DEP SOP 10/03/83	WCAt/1824
T1602482005	Keene Residence			EPA 350.1	WCAt/1826
T1602482006	Barnes Residence			EPA 350.1	WCAt/1826

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482007	Holland Residence			EPA 350.1	WCAt/1826
T1602482016	TH-66			SM 4500NO3-F	WCAt/1827
T1602482017	TH-58			SM 4500NO3-F	WCAt/1827
T1602482018	TH-28A			SM 4500NO3-F	WCAt/1827
T1602482001	Mine-Cut	Copper Sulfate Digestion	WCAt/1830	EPA 365.4	WCAt/1876
T1602482002	Stream 3C2	Copper Sulfate Digestion	WCAt/1830	EPA 365.4	WCAt/1876
T1602482003	Field Blank	Copper Sulfate Digestion	WCAt/1830	EPA 365.4	WCAt/1876
T1602482001	Mine-Cut	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482002	Stream 3C2	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482004	Trip Blank	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482005	Keene Residence	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482006	Barnes Residence	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482007	Holland Residence	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482009	TH-19	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482010	TH-71A	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482011	TH-57	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482012	TH-72	SW-846 5030B	MSVt/1199	SW-846 8260B	MSVt/1200
T1602482016	TH-66	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482017	TH-58	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482018	TH-28A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482019	TH-61	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482020	TH-61A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482021	TH-65	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482022	TH-66A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482023	TH-67	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482024	TH-22A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482026	TH-70A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482027	TH-69A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482028	TH-64	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482029	TH-68	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482030	TH-36A	SW-846 3010A	DGMj/1224	SW-846 6020	ICMj/1052
T1602482016	TH-66			SM 2540 C	WCAt/1833
T1602482017	TH-58			SM 2540 C	WCAt/1833
T1602482018	TH-28A			SM 2540 C	WCAt/1833
T1602482019	TH-61			SM 2540 C	WCAt/1833
T1602482020	TH-61A			SM 2540 C	WCAt/1833
T1602482021	TH-65			SM 2540 C	WCAt/1833
T1602482022	TH-66A			SM 2540 C	WCAt/1833
T1602482023	TH-67			SM 2540 C	WCAt/1833
T1602482024	TH-22A			SM 2540 C	WCAt/1833
T1602482019	TH-61	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482020	TH-61A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482021	TH-65	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482022	TH-66A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482023	TH-67	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482024	TH-22A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482026	TH-70A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482027	TH-69A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482028	TH-64	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482029	TH-68	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482030	TH-36A	SW-846 3010A	DGMt/1106	SW-846 6010	ICPt/1070
T1602482001	Mine-Cut	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482002	Stream 3C2	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482003	Field Blank	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482005	Keene Residence	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482006	Barnes Residence	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482007	Holland Residence	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482009	TH-19	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482010	TH-71A	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482011	TH-57	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078

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Phone: (813)630-9616  
Fax: (813)630-4327

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482012	TH-72	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482013	TH-78	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482014	TH-40	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482016	TH-66	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482017	TH-58	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482018	TH-28A	SW-846 8011	EXTt/1122	SW-846 8011	GCSt/1078
T1602482019	TH-61			SM 4500-CI-E	WCAt/1850
T1602482020	TH-61A			SM 4500-CI-E	WCAt/1850
T1602482021	TH-65			SM 4500-CI-E	WCAt/1850
T1602482022	TH-66A			SM 4500-CI-E	WCAt/1850
T1602482023	TH-67			SM 4500-CI-E	WCAt/1850
T1602482024	TH-22A			SM 4500-CI-E	WCAt/1850
T1602482026	TH-70A			SM 4500-CI-E	WCAt/1850
T1602482027	TH-69A			SM 4500-CI-E	WCAt/1850
T1602482028	TH-64			SM 4500-CI-E	WCAt/1850
T1602482030	TH-36A			SM 4500-CI-E	WCAt/1851
T1602482029	TH-68			SM 4500-CI-E	WCAt/1857
T1602482003	Field Blank	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482008	Trip Blank	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482013	TH-78	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482014	TH-40	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482015	Trip Blank	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482016	TH-66	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482017	TH-58	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482018	TH-28A	SW-846 5030B	MSVt/1211	SW-846 8260B	MSVt/1212
T1602482026	TH-70A			SM 2540 C	WCAt/1879
T1602482027	TH-69A			SM 2540 C	WCAt/1879
T1602482028	TH-64			SM 2540 C	WCAt/1879

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Phone: (813)630-9616  
Fax: (813)630-4327

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482029	TH-68			SM 2540 C	WCAt/1879
T1602482030	TH-36A			SM 2540 C	WCAt/1879
T1602482001	Mine-Cut			SM 10200 H	WCAg/1517
T1602482002	Stream 3C2			SM 10200 H	WCAg/1517
T1602482003	Field Blank			SM 10200 H	WCAg/1517
T1602482009	TH-19			EPA 350.1	WCAt/1910
T1602482010	TH-71A			EPA 350.1	WCAt/1910
T1602482011	TH-57			EPA 350.1	WCAt/1910
T1602482012	TH-72			EPA 350.1	WCAt/1910
T1602482013	TH-78			EPA 350.1	WCAt/1910
T1602482014	TH-40			EPA 350.1	WCAt/1910
T1602482016	TH-66			EPA 350.1	WCAt/1910
T1602482017	TH-58			EPA 350.1	WCAt/1910
T1602482018	TH-28A			EPA 350.1	WCAt/1910
T1602482019	TH-61			EPA 350.1	WCAt/1912
T1602482020	TH-61A			EPA 350.1	WCAt/1912
T1602482021	TH-65			EPA 350.1	WCAt/1912
T1602482022	TH-66A			EPA 350.1	WCAt/1912
T1602482023	TH-67			EPA 350.1	WCAt/1912
T1602482024	TH-22A			EPA 350.1	WCAt/1912
T1602482026	TH-70A			EPA 350.1	WCAt/1922
T1602482027	TH-69A			EPA 350.1	WCAt/1922
T1602482028	TH-64			EPA 350.1	WCAt/1922
T1602482029	TH-68			EPA 350.1	WCAt/1922
T1602482030	TH-36A			EPA 350.1	WCAt/1922
T1602482001	Mine-Cut	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482002	Stream 3C2	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482003	Field Blank	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025

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Phone: (813)630-9616  
Fax: (813)630-4327

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482005	Keene Residence	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482006	Barnes Residence	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482007	Holland Residence	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482009	TH-19	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482010	TH-71A	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482011	TH-57	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482012	TH-72	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482013	TH-78	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482014	TH-40	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482016	TH-66	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482017	TH-58	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482018	TH-28A	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482019	TH-61	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482020	TH-61A	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482021	TH-65	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482022	TH-66A	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482023	TH-67	SW-846 7470A	DGMt/1119	SW-846 7470A	CVAt/1025
T1602482019	TH-61	SW-846 5030B	MSVt/1225	SW-846 8260B	MSVt/1226
T1602482020	TH-61A	SW-846 5030B	MSVt/1225	SW-846 8260B	MSVt/1226
T1602482021	TH-65	SW-846 5030B	MSVt/1225	SW-846 8260B	MSVt/1226
T1602482022	TH-66A	SW-846 5030B	MSVt/1225	SW-846 8260B	MSVt/1226
T1602482023	TH-67	SW-846 5030B	MSVt/1225	SW-846 8260B	MSVt/1226
T1602482019	TH-61	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482020	TH-61A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482021	TH-65	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482022	TH-66A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482023	TH-67	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482024	TH-22A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482026	TH-70A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482027	TH-69A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482028	TH-64	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482029	TH-68	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482030	TH-36A	SW-846 8011	EXTt/1140	SW-846 8011	GCSt/1092
T1602482024	TH-22A	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482026	TH-70A	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482027	TH-69A	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482028	TH-64	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482029	TH-68	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482030	TH-36A	SW-846 7470A	DGMt/1129	SW-846 7470A	CVAt/1028
T1602482024	TH-22A	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482025	Travel Blank	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482026	TH-70A	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482027	TH-69A	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482028	TH-64	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482029	TH-68	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482030	TH-36A	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482031	Travel Blank	SW-846 5030B	MSVt/1227	SW-846 8260B	MSVt/1228
T1602482019	TH-61			EPA 300.0	WCAt/2052
T1602482020	TH-61A			EPA 300.0	WCAt/2052
T1602482021	TH-65			EPA 300.0	WCAt/2052
T1602482022	TH-66A			EPA 300.0	WCAt/2052
T1602482023	TH-67			EPA 300.0	WCAt/2052
T1602482024	TH-22A			EPA 300.0	WCAt/2052
T1602482026	TH-70A			EPA 300.0	WCAt/2052
T1602482027	TH-69A			EPA 300.0	WCAt/2052
T1602482028	TH-64			EPA 300.0	WCAt/2052
T1602482029	TH-68			EPA 300.0	WCAt/2052
T1602482030	TH-36A			EPA 300.0	WCAt/2052
T1602482001	Mine-Cut	Calculation	CLCt/	Calculation	CLCt/
T1602482001	Mine-Cut	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482002	Stream 3C2	Calculation	CLCt/	Calculation	CLCt/

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

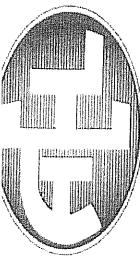
Workorder: T1602482 SELF Semi-Annual

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1602482002	Stream 3C2	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482003	Field Blank	Calculation	CLCt/	Calculation	CLCt/
T1602482005	Keene Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482006	Barnes Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482007	Holland Residence	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482009	TH-19	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482010	TH-71A	Field Measurements	FLDt/	Field Measurements	FLDt/
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T1602482013	TH-78	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482014	TH-40	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482016	TH-66	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482017	TH-58	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482018	TH-28A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482019	TH-61	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482020	TH-61A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482021	TH-65	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482022	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482023	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482024	TH-22A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482026	TH-70A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482027	TH-69A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482028	TH-64	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482029	TH-68	Field Measurements	FLDt/	Field Measurements	FLDt/
T1602482030	TH-36A	Field Measurements	FLDt/	Field Measurements	FLDt/

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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:** 1238 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275  
 **Tampa:** 1000 N. MacDill Avenue, Suite 100 • Tampa, FL 33607 • 813.628.4848

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  - Miramar:** 10000 NE 157th St. • Miramar, FL 33025 • 305.666.1000 • Fax 305.666.1001

T/60 2462



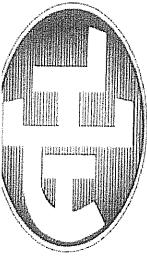
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  - Miramar:** 10200 USA Today Way, Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281
  - Tallahassee:** 1288 Cedar Center Drive, Tallahassee, FL 32301 • 850.219.6274 • Fax 850.219.6275
  - Tampa:** 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.9327

Client Name: Hills. Co. Public Utilities

Client Name: Hills. Co. Public Utilities Project Name: SELF Semi-Annual

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 Miramar: 10200 N. University Way • Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281  
 Tallahassee: 1290 Cadair Circle • Tallahassee, FL 32304 • 850.537.1000 • Fax 850.537.1000

Client Name: Hills. Co. Public Utilities

**Preservation Code:** I = ice H = (HCl) S = (H<sub>2</sub>SO<sub>4</sub>) N = (HNO<sub>3</sub>) T = (Sodium Thiosulfate)

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  
Temperature when received 71 (in degrees celsius)  
Form revised 09/19/2012

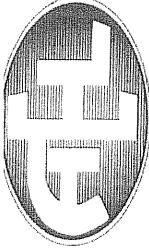
FOR DRINKING WATER USE (When PWS Information not otherwise supplied)					
Reinquished by:	Date	Time	Received by:	Date	Time
<i>Tony Johnson</i>	2/24/06	2		2/24/06	2
2					
3					
4					

PWS ID: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Supplier of Water: \_\_\_\_\_

Site-Address: \_\_\_\_\_



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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 • 813.630.9816 • Fax 813.630.4327

7/10/2012

LABORATORY I.D. NUMBER											
Client Name:	Hills, Co. Public Utilities	Project Name:	SELF Semi-Annual	Type & Size of BOTTLE							
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 Townsend										
Sampled By:	Z. Patterson / R. Bazzan										
Turn Around Time:	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH										
Page:	1 of 1										
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp		SAMPLING DATE, TIME		MATRIX	NO. COUNT	TESTS			
		DATE	TIME								
TH-G1	G	2/25/14	15:03	Grnd				X	X	X	X
TH-GA	A		14:17					X	X	X	X
TH-G5			13:34					X	X	X	X
TH-G6A			12:51					X	X	X	X
TH-G7			12:15					X	X	X	X
TH-Q2A			11:09					X	X	X	X
Travel Blank	N/A		N/A		D1			X	X	X	X
Matrix Code: WW = wastewater	SW = surface water	GW = ground water	DW = drinking water	O = oil	A = air	SO = soil	SL = sludge	Preservation Code: I = ice H=(HCl) S = (H <sub>2</sub> SO <sub>4</sub> ) N = (HNO <sub>3</sub> ) T = (Sodium Thiosulfate)			
Received on Ice <input type="checkbox"/> Yes	No <input type="checkbox"/>	Temp taken from sample <input type="checkbox"/>	Temp from blank <input type="checkbox"/>					Temperature when received _____ (in degrees celsius)			

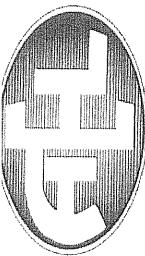
Form revised 09/19/2012

Relinquished by: Z. Patterson Date: 2/25/14 Time: 15:03 Received by: J. Gandy Date: 2/25/14 Time: 16:10

Where required, pH checked  
 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

1	Date	Time	Received by:	Date	Time
2					
3					
4					

<b>FOR DRINKING WATER USE</b> (When PWS information not otherwise supplied)	
PWS ID:	
Contact Person:	
Supplier of Water:	
Site Address:	



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

T/6D 2482

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:								
WELL NO:	MINECUT #1A	SAMPLE ID:	minecut #1A								
<b>PURGING DATA</b>											
WELL DIAMETER (inches):	N/A	TUBING DIAMETER (inches):	N/A	WELL SCREEN INTERVAL DEPTH: feet to feet							
				STATIC DEPTH TO WATER (feet): N/A							
				PURGE PUMP TYPE OR BAIRER: B							
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):		N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	N/A							
PURGING INITIATED AT:		N/A	PURGING ENDED AT:	N/A							
TOTAL VOLUME PURGED (gallons):		N/A									
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
12:40	N/A	N/A	N/A	N/A	6.76	20.10	41	1.39	4.12	NONE	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)											

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON				SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>			SAMPLING INITIATED AT: 12:40	SAMPLING ENDED AT: 12:47	
PUMP OR TUBING DEPTH IN WELL (feet): N/A			TUBING MATERIAL CODE: T		FIELD-FILTERED: Y	N	FILTER SIZE: _____ μm Filtration Equipment Type:		
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated			DUPLICATE: Y N		
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<b>SEE COC FOR ANALYSIS</b>									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:
WELL NO:	3C2	SAMPLE ID:	3C2
		DATE: 2/22/10	

**PURGING DATA**

WELL DIAMETER (inches): <i>N/A</i>	TUBING DIAMETER (inches): <i>N/A</i>	WELL SCREEN INTERVAL DEPTH: <i>N/A</i> feet to <i>N/A</i> feet	STATIC DEPTH TO WATER (feet): <i>1.48</i>	PURGE PUMP TYPE OR BAILER: <i>B</i>							
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): <i>N/A</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	PURGING INITIATED AT: <i>N/A</i>	PURGING ENDED AT: <i>N/A</i>	TOTAL VOLUME PURGED (gallons): <i>N/A</i>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos}/\text{cm}$ or $\mu\text{S}/\text{cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
12:11	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>1.48</i>	<i>7.17</i>	<i>18.64</i>	<i>248</i>	<i>7.8</i>	<i>2.40</i>	<i>none</i>	<i>none</i>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

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

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON			SAMPLER(S) SIGNATURE(S) <i>Zack Patterson</i>			SAMPLING INITIATED AT: <i>12:11</i>	SAMPLING ENDED AT: <i>12:16</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>		TUBING MATERIAL CODE: <i>T</i>		FIELD-FILTERED: <i>Y</i> <i>N</i>		FILTER SIZE: _____ $\mu\text{m}$		
FIELD DECONTAMINATION: PUMP <i>Y</i> <i>N</i> Dedicated		TUBING <i>Y</i> <i>N</i> Dedicated		DUPLICATE: <i>Y</i> <i>N</i>				
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)			

**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <i>SELP</i>	SITE LOCATION:
WELL NO: <i>Keene</i>	SAMPLE ID: <i>Keene</i>
DATE: <i>2/22/16</i>	

**PURGING DATA**

WELL DIAMETER (inches): <i>N/A</i>	TUBING DIAMETER (inches): <i>N/A</i>	WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet	STATIC DEPTH TO WATER (feet): <i>N/A</i>	PURGE PUMP TYPE OR BAILER: <i>Valve</i>
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill-out if applicable)				
= ( feet - feet ) X gallons/foot = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	PURGING INITIATED AT: <i>11:25</i>	PURGING ENDED AT: <i>11:44</i>	TOTAL VOLUME PURGED (gallons): <i>95</i>
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)
11:40	75	75	5	7.87 24.03
11:42	10	85	5	7.84 24.01
11:44	10	95	5	7.83 24.03
<b>WELL CAPACITY (Gallons Per Foot):</b> 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 <b>TUBING INSIDE DIA. CAPACITY (Gal./Ft.):</b> 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016				
<b>PURGING EQUIPMENT CODES:</b> B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)				

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <i>ANDREW BALLOON / ZACK PATTERSON</i>	SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>	SAMPLING INITIATED AT: <i>11:44</i>	SAMPLING ENDED AT: <i>11:49</i>						
PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	TUBING MATERIAL CODE: <i>T</i>	FIELD-FILTERED: <i>Y</i> <i>N</i>	FILTER SIZE: _____ μm Filtration Equipment Type:						
FIELD DECONTAMINATION: PUMP <i>Y</i> <i>N</i> <i>Dedicated</i>	TUBING <i>Y</i> <i>N</i> <i>Dedicated</i>	DUPLICATE: <i>Y</i> <i>N</i>							
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)

**SEE COC FOR ANALYSIS**

*1st page 15 mm*

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)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:
WELL NO:	Barnes	SAMPLE ID:	Barnes
			DATE: 2/22/16

**PURGING DATA**

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: Valve							
<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= ( \text{feet} - \text{feet} ) \times \text{gallons/foot} = \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + ( \text{gallons/foot} \times \text{feet} ) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	10:50	PURGING ENDED AT: 11:09							
<i>n/a</i>	<i>n/a</i>			TOTAL VOLUME PURGED (gallons): 95							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:05	75	75	5	<i>n/a</i>	7.70	23.62	402	2.20	1.93	none	none
11:07	10	85	5	<i>↓</i>	7.77	23.58	402	2.10	2.40		
11:09	10	95	5	<i>↓</i>	7.70	23.61	401	2.58	1.66	<i>↓</i>	<i>↓</i>
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON				SAMPLER(S) SIGNATURE(S)			SAMPLING INITIATED AT:	11:09	SAMPLING ENDED AT:	11:14
PUMP OR TUBING DEPTH IN WELL (feet): <i>n/a</i>				TUBING MATERIAL CODE: T			FIELD-FILTERED:	Y <i>n</i>	FILTER SIZE:	<i>μm</i>
FIELD DECONTAMINATION: PUMP Y N <i>Dedicated</i>				TUBING Y N <i>Dedicated</i>			DUPLICATE:	Y <i>n</i>		
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				

**SEE COC FOR ANALYSIS**

*let purge 15 min*

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2\text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20\text{ NTU}$ ; optionally  $\pm 5\text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:
WELL NO:	Holland	SAMPLE ID:	Holland
			DATE: 2/22/16

**PURGING DATA**

WELL DIAMETER (inches): <u>2 1/4</u>	TUBING DIAMETER (inches): <u>3/4</u>	WELL SCREEN INTERVAL DEPTH: <u>1</u> feet to <u>1</u> feet	STATIC DEPTH TO WATER (feet): <u>2 1/4</u>	PURGE PUMP TYPE OR BAILER: <u>None</u>							
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): <u>2 1/4</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>2 1/4</u>	PURGING INITIATED AT: <u>10:14</u>	PURGING ENDED AT: <u>10:33</u>	TOTAL VOLUME PURGED (gallons): <u>95</u>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos}/\text{cm}$ or $\mu\text{S}/\text{cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:29	75	75	5	<u>2 1/4</u>	7.44	24.04	444	.20	2.33	None	none
10:31	10	85	5	<u>1</u>	7.44	24.04	444	.19	.73		
10:33	10	95	5	<u>1</u>	7.44	24.07	445	.18	.77	✓	✓
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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): <u>Zack Patterson</u>	SAMPLING INITIATED AT: <u>10:33</u>	SAMPLING ENDED AT: <u>10:38</u>						
PUMP OR TUBING DEPTH IN WELL (feet): <u>2 1/4</u>	TUBING MATERIAL CODE: <u>T</u>	FIELD-FILTERED: Y <u>N</u> Filtration Equipment Type:	FILTER SIZE: _____ <u>μm</u>						
FIELD DECONTAMINATION: PUMP Y N <u>Dedicated</u>	TUBING Y N <u>Dedicated</u>	DUPLICATE: Y <u>N</u>							
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
<b>SEE COC FOR ANALYSIS</b> <i>let purge 15 min</i>									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

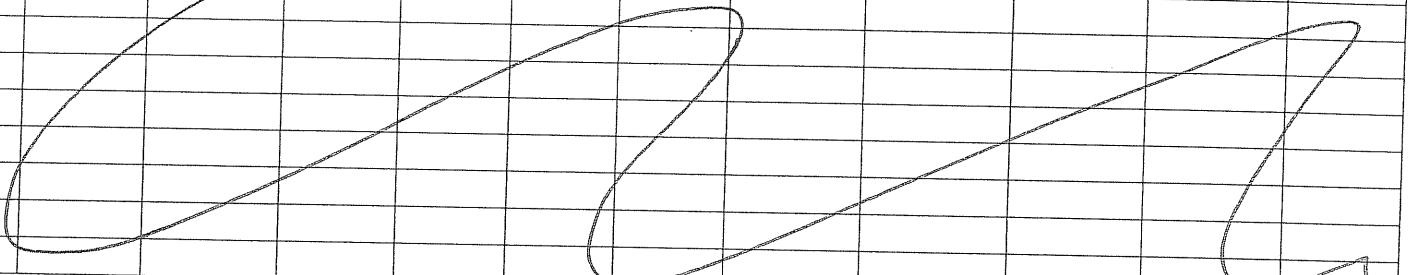
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ \text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>			SITE LOCATION:		
WELL NO: <b>TH-19</b>		SAMPLE ID: <b>TH-19</b>		DATE: <b>2/23/10</b>	
<b>PURGING DATA</b>					
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>88.96</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)					
= ( <b>153.0</b> feet - <b>88.96</b> feet ) X <b>.16</b> gallons/foot = <b>10.35</b> 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): <b>152.0</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>152.0</b>		PURGING INITIATED AT: <b>14:35</b>	PURGING ENDED AT: <b>14:52</b>
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)
<b>14:46</b>	<b>11.0</b>	<b>11.0</b>	<b>1.0</b>	<b>89.20</b>	<b>7.26</b>
<b>14:49</b>	<b>3.0</b>	<b>14.0</b>	<b>1.0</b>	<b>89.20</b>	<b>7.26</b>
<b>14:52</b>	<b>3.0</b>	<b>17.0</b>	<b>1.0</b>	<b>89.20</b>	<b>7.26</b>
<b>DISSOLVED OXYGEN (circle units) mg/L or % saturation</b>					
<b>TURBIDITY (NTUs)</b>					
<b>COLOR (describe)</b>					
<b>ODOR (describe)</b>					
					
WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$ ; $1'' = 0.04$ ; $1.25'' = 0.06$ ; $2'' = 0.16$ ; $3'' = 0.37$ ; $4'' = 0.65$ ; $5'' = 1.02$ ; $6'' = 1.47$ ; $12'' = 5.88$					
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): $1/8'' = 0.0006$ ; $3/16'' = 0.0014$ ; $1/4'' = 0.0026$ ; $5/16'' = 0.004$ ; $3/8'' = 0.006$ ; $1/2'' = 0.010$ ; $5/8'' = 0.016$					
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)					

<b>SAMPLING DATA</b>									
SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON		SAMPLER(S) SIGNATURE(S): 							
PUMP OR TUBING DEPTH IN WELL (feet): <b>152.0</b>		TUBING MATERIAL CODE: <b>T</b>	SAMPLING INITIATED AT: <b>14:52</b> SAMPLING ENDED AT: <b>14:59</b>						
			FIELD-FILTERED: <b>Y</b> <b>N</b> FILTER SIZE: _____ μm Filtration Equipment Type:						
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b>		Dedicated	Dedicated						
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
<b>SEE COC FOR ANALYSIS</b> 									
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)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>			SITE LOCATION:								
WELL NO: <b>TH-71A</b>			SAMPLE ID: <b>TH-71A</b>			DATE: <b>2/23/16</b>					
<b>PURGING DATA</b>											
WELL DIAMETER (inches):	<b>2</b>	TUBING DIAMETER (inches):	<b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):	<b>23.16</b>	PURGE PUMP TYPE OR BAIRER:	<b>BP</b>		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (37.78 \text{ feet} - 23.16 \text{ feet}) \times .16 \text{ gallons/foot} = 2.34 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + (\text{gallons/foot X feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		<b>36.78</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet):		<b>36.78</b>	PURGING INITIATED AT:		<b>13:36</b>	PURGING ENDED AT:	<b>14:12</b>	TOTAL VOLUME PURGED (gallons): <b>3.60</b>
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or <b>S/cm</b>	DISSOLVED OXYGEN (circle units) <b>mg/L</b> or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:00	<b>2.40</b>	<b>2.40</b>	.10	<b>23.16</b>	<b>6.10</b>	<b>24.71</b>	<b>1335</b>	.17	<b>4.10</b>	<b>NONE</b>	<b>none</b>
14:06	<b>.60</b>	<b>3.00</b>	.10	<b>23.17</b>	<b>6.10</b>	<b>24.70</b>	<b>1335</b>	.15	<b>3.31</b>		
14:12	<b>.60</b>	<b>3.60</b>	.10	<b>23.17</b>	<b>6.10</b>	<b>24.64</b>	<b>1335</b>	.15	<b>2.87</b>	<b>↓</b>	<b>↓</b>
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: ANDREW BALLOON / ZACK PATTERSON		SAMPLER(S) SIGNATURE(S):							
PUMP OR TUBING DEPTH IN WELL (feet): <b>36.78</b>		TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: Y <b>N</b> FILTRATION EQUIPMENT TYPE: _____ FILTER SIZE: _____ μm						
FIELD DECONTAMINATION: PUMP Y N		Dedicated	TUBING Y N Dedicated DUPLICATE: Y <b>N</b>						
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)

**SEE COC FOR ANALYSIS**

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>		SITE LOCATION:									
WELL NO: <b>TH-57</b>		SAMPLE ID: <b>TH-57</b>									
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>18.66</b>								
PURGE PUMP TYPE OR BAILER: <b>BP</b>											
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (26.83 \text{ feet} - 18.66 \text{ feet}) \times .16 \text{ gallons/foot} = 1.31 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>25.83</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>25.83</b>	PURGING INITIATED AT: <b>12:52</b>	PURGING ENDED AT: <b>13:14</b>								
TOTAL VOLUME PURGED (gallons): <b>2.20</b>											
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\text{SCM}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>13:06</b>	<b>1.40</b>	<b>1.40</b>	<b>.10</b>	<b>19.24</b>	<b>5.65</b>	<b>27.50</b>	<b>289</b>	<b>.13</b>	<b>1.32</b>	<b>NONE</b>	<b>NONE</b>
<b>13:10</b>	<b>.40</b>	<b>1.80</b>	<b>.10</b>	<b>19.24</b>	<b>5.03</b>	<b>27.52</b>	<b>290</b>	<b>.12</b>	<b>.69</b>	<b>f</b>	<b>↓</b>
<b>13:14</b>	<b>.40</b>	<b>2.20</b>	<b>.10</b>	<b>19.24</b>	<b>5.03</b>	<b>27.51</b>	<b>290</b>	<b>.11</b>	<b>.51</b>		
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: ANDREW BALLOON / ZACK PATTERSON		SAMPLER(S) SIGNATURE(S) <i>Zack Patterson</i>							
PUMP OR TUBING DEPTH IN WELL (feet): <b>25.83</b>		TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:						
FIELD DECONTAMINATION: PUMP Y N <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>							
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

**SEE COC FOR ANALYSIS** ↗

MATERIAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polypropylene;	S = Silicone;	T = Teflon;	O = Other (Specify)
SAMPLING EQUIPMENT CODES:	APP = After Peristaltic Pump;	B = Bailer;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	RFPP = Reverse Flow Peristaltic Pump;	SM = Straw Method (Tubing Gravity Drain);	O = Other (Specify)

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

## GROUNDWATER SAMPLING LOG

SITE NAME:	SELF	SITE LOCATION:
WELL NO:	TH-72	SAMPLE ID: TH-72
		DATE: 2/23/16

## PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 86.81	PURGE PUMP TYPE OR BAILER: BP								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)												
= ( 190 feet - 86.81 feet ) X .16 gallons/foot = 16.52 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): 189		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 189	PURGING INITIATED AT: 11:46	PURGING ENDED AT: 12:38								
TIME		VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{Scm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:20		17.0	17.0	.50	86.82	6.54	23.53	2223	.25	.80	NONE	NONE
12:29		4.5	21.5	.50	86.82	6.54	23.54	2226	.28	.60	↓	↓
12:38		4.5	26.0	.50	86.82	6.54	23.55	2224	.22	.56		
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: ANDREW BALLOON / ZACK PATTERSON			SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT: 12:38	SAMPLING ENDED AT: 12:44			
PUMP OR TUBING DEPTH IN WELL (feet): 189			TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N	Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$			
FIELD DECONTAMINATION: PUMP Y N Dedicated			TUBING Y N Dedicated	DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

SEE COC FOR ANALYSIS

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

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

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>		SITE LOCATION:									
WELL NO: <b>TH-78</b>		SAMPLE ID: <b>78</b>									
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH <b>163.14</b> feet to <b>178.14</b> feet	STATIC DEPTH TO WATER (feet): <b>70.14</b>								
PURGE PUMP TYPE OR BAILER: <b>BP</b>											
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (178.14 \text{ feet} - 70.14 \text{ feet}) \times .16 \text{ gallons/foot} = 17.28 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>177.14</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>177.14</b>									
PURGING INITIATED AT: <b>10:32</b>		PURGING ENDED AT: <b>11:25</b>									
		TOTAL VOLUME PURGED (gallons): <b>26.5</b>									
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{hos/cm}$ or $\text{SCM}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>11:07</b>	<b>17.5</b>	<b>17.5</b>	<b>.50</b>	<b>70.21</b>	<b>8.17</b>	<b>23.15</b>	<b>544</b>	<b>.11</b>	<b>.97</b>	<b>NONE</b>	<b>NONE</b>
<b>11:10</b>	<b>4.5</b>	<b>22.0</b>	<b>.50</b>	<b>70.21</b>	<b>8.05</b>	<b>23.19</b>	<b>549</b>	<b>.11</b>	<b>1.38</b>		
<b>11:25</b>	<b>4.5</b>	<b>26.5</b>	<b>.50</b>	<b>70.21</b>	<b>8.00</b>	<b>23.18</b>	<b>551</b>	<b>.11</b>	<b>1.26</b>	<b>↓</b>	<b>↓</b>
Graph showing Purge Volume vs. Time											
WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$ ; $1'' = 0.04$ ; $1.25'' = 0.06$ ; $2'' = 0.16$ ; $3'' = 0.37$ ; $4'' = 0.65$ ; $5'' = 1.02$ ; $6'' = 1.47$ ; $12'' = 5.88$ TUBING INSIDE DIA. CAPACITY (Gal./Ft.): $1/8'' = 0.0006$ ; $3/16'' = 0.0014$ ; $1/4'' = 0.0026$ ; $5/16'' = 0.004$ ; $3/8'' = 0.006$ ; $1/2'' = 0.010$ ; $5/8'' = 0.016$											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>ANDREW BALLOON / ZACK PATTERSON</b>			SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: <b>11:25</b>	SAMPLING ENDED AT: <b>11:32</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>177.14</b>			TUBING MATERIAL CODE: <b>T</b>		FIELD-FILTERED: <b>Y</b> <b>N</b> Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$		
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b> <b>Dedicated</b>			TUBING <b>Y</b> <b>N</b> <b>Dedicated</b>		DUPLICATE: <b>Y</b> <b>N</b>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)			

**SEE COC FOR ANALYSIS** 

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF	SITE LOCATION:			
WELL NO:	TH-40	SAMPLE ID:	TH-40	DATE:	2/23/16

**PURGING DATA**

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	84.04	PURGE PUMP TYPE OR BAIRER:	BP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (165.90 \text{ feet} - 84.04 \text{ feet}) \times .16 \text{ gallons/foot} = 1310 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	164.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	164.9	PURGING INITIATED AT:	9:48	PURGING ENDED AT:	10:10	TOTAL VOLUME PURGED (gallons):	22
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:02	14.0	14.0	1.0	84.04	7.45	23.54	409	.24	.75	NONE	NONE
10:06	4.0	18.0	1.0	84.04	7.45	23.54	410	.24	.79		
10:10	4.0	22.0	1.0	84.04	7.46	23.53	410	.21	.57	↓	↓

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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 10:10	SAMPLING ENDED AT: 10:10			
PUMP OR TUBING DEPTH IN WELL (feet): 164.9	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N	FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N Dedicated	TUBING Y N Dedicated	DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME			

SEE COC FOR ANALYSIS

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

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

OTES: 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)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: WELL NO:	SELF TH-66		SITE LOCATION: SAMPLE ID: TH-66	DATE: 2/24/16							
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>7.26</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 21.30 feet - 7.26 feet ) X .16 gallons/foot = 2.25 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>20.3</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>20.3</b>	= gallons + ( gallons/foot X feet ) + gallons = gallons									
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>μmhos/cm or μS/cm</small>	DISSOLVED OXYGEN (circle units) <small>mg/L or % saturation</small>	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
14:35	2.4	2.4	.20	8.45	5.98	23.01	314	.16	.27	none	wave
14:38	.60	3.0	.20	8.45	5.97	23.01	311	.14	1.08		
14:41	.60	3.6	.20	8.45	5.96	23.00	309	.14	.86		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON				SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT: 14:41	SAMPLING ENDED AT: 14:47		
PUMP OR TUBING DEPTH IN WELL (feet): <b>20.3</b>		TUBING MATERIAL CODE: T		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/> Filtration Equipment Type:		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y N <input checked="" type="radio"/> Dedicated				TUBING Y N <input checked="" type="radio"/> Dedicated		DUPLICATE: Y <input checked="" type="radio"/> N <input type="radio"/>			
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)

**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

OTES: 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)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	564F		SITE LOCATION:									
WELL NO:	TH-58		SAMPLE ID:	TH-58		DATE:		2/24/16				
<b>PURGING DATA</b>												
WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: - feet to - feet		STATIC DEPTH TO WATER (feet):	27.68	PURGE PUMP TYPE OR BAILER:	BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)												
$= (32.92 \text{ feet} - 27.68 \text{ feet}) \times .16 \text{ gallons/foot} = .84 \text{ gallons}$ (only fill out if applicable)												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		31.92	FINAL PUMP OR TUBING DEPTH IN WELL (feet):		31.92	PURGING INITIATED AT:	10:59	PURGING ENDED AT:	11:15	TOTAL VOLUME PURGED (gallons):	1.60	
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or $\mu\text{S}/\text{cm}$	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
11:09	1.0	1.0	.10	27.92	5.66	26.42	425	.42	2.52	None	None	
11:12	.30	1.30	.10	27.92	5.66	26.42	426	.39	2.29			
11:15	.30	1.60	.10	27.92	5.65	26.40	424	.40	2.12	✓	✓	
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88												
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016												
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)												
SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT:	11:15	SAMPLING ENDED AT:		11:20
PUMP OR TUBING DEPTH IN WELL (feet):		31.92	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N		FILTER SIZE: _____ μm						
FIELD DECONTAMINATION: PUMP Y N Dedicated				TUBING Y N Dedicated	DUPLICATE: Y N							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						

**SEE COC FOR ANALYSIS**

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

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

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

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

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>	SITE LOCATION:
WELL NO: <b>TH-28A</b>	SAMPLE ID: <b>TH-28A</b>
DATE: <b>2/24/10</b>	

PURGING DATA											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>27.76</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)					$= (34.3 \text{ feet} - 27.76 \text{ feet}) \times .16 \text{ gallons/foot} = 1.05 \text{ gallons}$						
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>33.3</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>33.3</b>	PURGING INITIATED AT: <b>10:27</b>			PURGING ENDED AT: <b>10:44</b>			TOTAL VOLUME PURGED (gallons): <b>1.70</b>			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>10:38</b>	<b>1.10</b>	<b>1.10</b>	<b>.10</b>	<b>28.13</b>	<b>5.04</b>	<b>26.64</b>	<b>372</b>	<b>.64</b>	<b>1.02</b>	<b>none</b>	<b>none</b>
<b>10:41</b>	<b>.30</b>	<b>1.40</b>	<b>.10</b>	<b>28.13</b>	<b>5.02</b>	<b>26.65</b>	<b>364</b>	<b>.57</b>	<b>.86</b>		
<b>10:44</b>	<b>.30</b>	<b>1.70</b>	<b>.10</b>	<b>28.13</b>	<b>5.00</b>	<b>26.72</b>	<b>371</b>	<b>.48</b>	<b>.77</b>	<b>↓</b>	<b>↓</b>
WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$ ; $1'' = 0.04$ ; $1.25'' = 0.06$ ; $2'' = 0.16$ ; $3'' = 0.37$ ; $4'' = 0.65$ ; $5'' = 1.02$ ; $6'' = 1.47$ ; $12'' = 5.88$ TUBING INSIDE DIA. CAPACITY (Gal./Ft.): $1/8'' = 0.0006$ ; $3/16'' = 0.0014$ ; $1/4'' = 0.0026$ ; $5/16'' = 0.004$ ; $3/8'' = 0.006$ ; $1/2'' = 0.010$ ; $5/8'' = 0.016$											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA							
SAMPLED BY (PRINT) / AFFILIATION: <b>ANDREW BALLOON / ZACK PATTERSON</b>	SAMPLER(S) SIGNATURE(S): <b>Zack Patterson</b>						
PUMP OR TUBING DEPTH IN WELL (feet): <b>33.3</b>	TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: <b>Y</b> <b>N</b>	SAMPLING INITIATED AT: <b>10:44</b> SAMPLING ENDED AT: <b>10:50</b>				
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b>	Dedicated	TUBING <b>Y</b> <b>N</b> Dedicated	DUPLICATE: <b>Y</b> <b>N</b>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED			

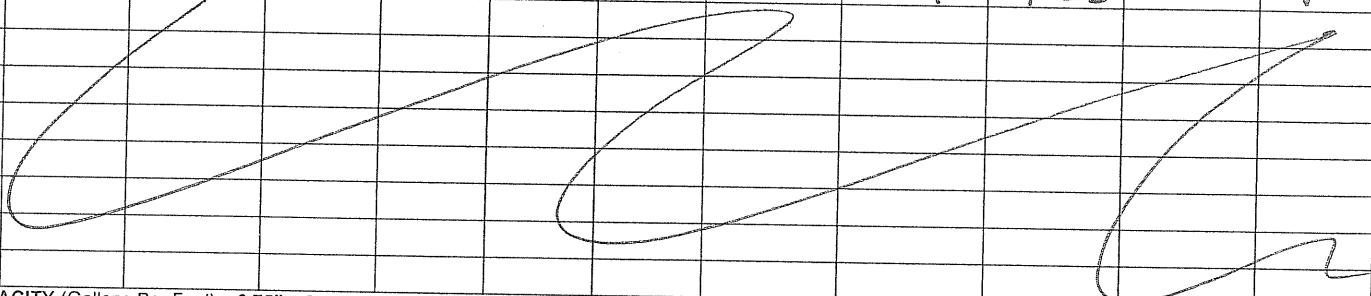
**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)  
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;  
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

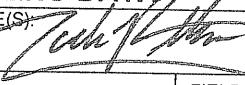
OTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>		SITE LOCATION:									
WELL NO: <b>TH-61</b>		SAMPLE ID: <b>TH-61</b>									
		DATE: <b>2/25/16</b>									
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>15.82</b>								
PURGE PUMP TYPE OR BAILER: <b>BP</b>											
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (25.9 \text{ feet} - 15.82 \text{ feet}) \times .16 \text{ gallons/foot} = 1.62 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>24.9</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>24.9</b>	PURGING INITIATED AT: <b>14:36</b> PURGING ENDED AT: <b>15:03</b> TOTAL VOLUME PURGED (gallons): <b>2.70</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>14:53</b>	<b>1.70</b>	<b>1.70</b>	<b>.10</b>	<b>17.39</b>	<b>5.49</b>	<b>25.13</b>	<b>165</b>	<b>.15</b>	<b>1.54</b>	<b>NONE</b>	<b>NONE</b>
<b>14:58</b>	<b>.50</b>	<b>2.20</b>	<b>.10</b>	<b>17.39</b>	<b>5.50</b>	<b>25.12</b>	<b>165</b>	<b>.15</b>	<b>1.56</b>		
<b>15:03</b>	<b>.50</b>	<b>2.70</b>	<b>.10</b>	<b>17.39</b>	<b>5.50</b>	<b>25.13</b>	<b>165</b>	<b>.14</b>	<b>1.83</b>	<b>↓</b>	<b>↓</b>
											
WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$ ; $1'' = 0.04$ ; $1.25'' = 0.06$ ; $2'' = 0.16$ ; $3'' = 0.37$ ; $4'' = 0.65$ ; $5'' = 1.02$ ; $6'' = 1.47$ ; $12'' = 5.88$											
TUBING INSIDE DIA. CAPACITY (Gal./Ft): $1/8'' = 0.0006$ ; $3/16'' = 0.0014$ ; $1/4'' = 0.0026$ ; $5/16'' = 0.004$ ; $3/8'' = 0.006$ ; $1/2'' = 0.010$ ; $5/8'' = 0.016$											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>ANDREW BALLOON / ZACK PATTERSON</b>			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: <b>15:03</b>	SAMPLING ENDED AT: <b>15:09</b>		
PUMP OR TUBING DEPTH IN WELL (feet): <b>24.9</b>			TUBING MATERIAL CODE: <b>T</b>		FIELD-FILTERED: <b>Y</b> <b>N</b>	Filtration Equipment Type:	FILTER SIZE: <b>_____ μm</b>		
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b>			Dedicated	TUBING <b>Y</b> <b>N</b>	Dedicated	DUPLICATE: <b>Y</b> <b>N</b>			
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)

**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:		
WELL NO:	TH-61A	SAMPLE ID:	TH-GIA		DATE: 2/25/10

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.35	PURGE PUMP TYPE OR BAILER:
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (23.18 \text{ feet} - 16.35 \text{ feet}) \times .16 \text{ gallons/foot} = 1.10 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18		PURGING INITIATED AT: 14:00		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) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:11	1.10	1.10	.10	18.60	5.84	23.78	302	1.65	2.88	NONE	none
14:04	.30	1.40	.10	18.60	5.81	23.81	304	1.33	2.71		
14:07	.30	1.70	.10	18.60	5.85	23.84	303	1.06	3.88	↓	↓

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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>	SAMPLING INITIATED AT: 14:17	SAMPLING ENDED AT: 14:23						
PUMP OR TUBING DEPTH IN WELL (feet): 22.18	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N	FILTER SIZE: _____ $\mu\text{m}$						
FIELD DECONTAMINATION: PUMP Y N	Dedicated	TUBING Y N Dedicated	DUPPLICATE: Y N						
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)

**SEE COC FOR ANALYSIS**

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>			SITE LOCATION:								
WELL NO: <b>TH65</b>		SAMPLE ID: <b>TH-65</b>			DATE: <b>2-25-16</b>						
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>13.01</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>23</b> feet - <b>13.01</b> feet ) x <b>.16</b> gallons/foot = <b>1.60</b> 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): <b>22</b>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>22</b>	PURGING INITIATED AT: <b>13:10</b>	PURGING ENDED AT: <b>13:34</b>	TOTAL VOLUME PURGED (gallons): <b>2.40</b>						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos}/\text{cm}$ or $\mu\text{S}/\text{cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<b>13:26</b>	<b>1.60</b>	<b>1.60</b>	<b>.16</b>	<b>14.37</b>	<b>5.53</b>	<b>22.37</b>	<b>256</b>	<b>.95</b>	<b>5.88</b>	<b>none</b>	<b>none</b>
<b>13:30</b>	<b>.400</b>	<b>2.00</b>	<b>.10</b>	<b>14.37</b>	<b>5.50</b>	<b>22.30</b>	<b>255</b>	<b>.70</b>	<b>6.01</b>	<b>N</b>	<b>b</b>
<b>13:34</b>	<b>0.40</b>	<b>2.40</b>	<b>.10</b>	<b>14.37</b>	<b>5.51</b>	<b>22.36</b>	<b>256</b>	<b>.43</b>	<b>5.99</b>	<b>N</b>	<b>b</b>
Handwritten notes and signatures are present in the large empty space below the purge data table.											
WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$ ; $1'' = 0.04$ ; $1.25'' = 0.06$ ; $2'' = 0.16$ ; $3'' = 0.37$ ; $4'' = 0.65$ ; $5'' = 1.02$ ; $6'' = 1.47$ ; $12'' = 5.88$ TUBING INSIDE DIA. CAPACITY (Gal./Ft.): $1/8'' = 0.0006$ ; $3/16'' = 0.0014$ ; $1/4'' = 0.0026$ ; $5/16'' = 0.004$ ; $3/8'' = 0.006$ ; $1/2'' = 0.010$ ; $5/8'' = 0.016$											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>ANDREW BALLOON / ZACK PATTERSON</b>			SAMPLER(S) SIGNATURE(S): <b>Zack Patterson</b>			SAMPLING INITIATED AT: <b>13:34</b>	SAMPLING ENDED AT: <b>13:40</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>22</b>			TUBING MATERIAL CODE: <b>T</b>			FIELD-FILTERED: <b>Y</b> <b>N</b> Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$	
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b> <b>Dedicated</b>			TUBING <b>Y</b> <b>N</b> <b>Dedicated</b>			DUPLICATE: <b>Y</b> <b>N</b>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)			

**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

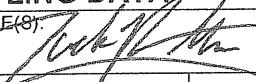
Form FD 9000-24  
GROUNDWATER SAMPLING LOG

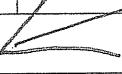
SITE NAME:	SELF		SITE LOCATION:
WELL NO:	T1t-66A	SAMPLE ID:	TH-66A
			DATE: 2/25/10

**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.66	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) = ( 15.37 feet - 7.66 feet ) X .16 gallons/foot = 1.24 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): 14.37		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37	PURGING INITIATED AT: 12:30	PURGING ENDED AT: 12:51	TOTAL VOLUME PURGED (gallons): 2.10						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{s/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
12:43	1.30	1.30	.10	12.04	6.11	21.59	317	.42	1.55	none	none
12:47	.40	1.70	.10	12.05	6.12	21.53	314	.48	1.53	↓	↓
12:51	.40	2.10	.10	12.04	6.12	21.50	313	.50	1.35		
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: ANDREW BALLOON / ZACK PATTERSON			SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 12:51	SAMPLING ENDED AT: 12:57		
PUMP OR TUBING DEPTH IN WELL (feet): 14.37			TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N	FILTER SIZE: _____ $\mu\text{m}$			
FIELD DECONTAMINATION: PUMP Y N Dedicated			TUBING Y N Dedicated	DUPPLICATE: 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		

**SEE COC FOR ANALYSIS** 

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>		SITE LOCATION:									
WELL NO: <b>T4-67</b>	SAMPLE ID: <b>TH-67</b>		DATE: <b>2/25/16</b>								
<b>PURGING DATA</b>											
WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet <b>feet to feet</b>	STATIC DEPTH TO WATER (feet): <b>3.82</b> PURGE PUMP TYPE OR BAILER: <b>BP</b>								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = <b>15.25</b> feet - <b>3.82</b> feet x <b>.16</b> gallons/foot = <b>1.83</b> 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: <b>11:36</b> PURGING ENDED AT: <b>12:15</b> TOTAL VOLUME PURGED (gallons): <b>3.20</b>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{hos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:55	1.9	1.90	.10	4.39	6.10	21.02	1920	.78	10.01	cloudy	none
12:00	.5	2.40	.10	4.40	6.09	20.91	1866	.98	10.64		
12:05	.5	2.90	.10	4.40	6.06	20.96	1750	.36	10.07		
12:10	.5	3.40	.10	4.40	6.01	20.80	1765	.98	9.06		
12:15	.5	3.90	.10	4.40	5.98	20.81	1780	1.05	10.44		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>ANDREW BALLOON / ZACK PATTERSON</b>			SAMPLER(S) SIGNATURE(S) <b>Zack Patterson</b>		SAMPLING INITIATED AT: <b>12:15</b>	SAMPLING ENDED AT: <b>12:21</b>		
PUMP OR TUBING DEPTH IN WELL (feet):			TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: <b>Y</b> <b>N</b>	FILTER SIZE: _____ $\mu\text{m}$			
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b> <b>Dedicated</b>			TUBING <b>Y</b> <b>N</b> <b>Dedicated</b>	DUPLICATE: <b>Y</b> <b>N</b>				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)			
<b>SEE COC FOR ANALYSIS</b>								
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)								

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF		SITE LOCATION:
WELL NO:	TH-22A	SAMPLE ID:	TH-22A
DATE: 2/25/06			

**PURGING DATA**

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	4.74	PURGE PUMP TYPE OR BAILER:	BP
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (27.9 \text{ feet} - 4.74 \text{ feet}) \times .18 \text{ gallons/foot} = 3.71 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	26.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	26.9	PURGING INITIATED AT:	10:40	PURGING ENDED AT:	11:09	TOTAL VOLUME PURGED (gallons):	5.8
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:59	3.8	3.8	.20	6.46	4.44	20.94	201	.24	18.1	clear	none
11:04	1.0	4.8	.20	6.46	4.45	20.94	201	.20	46.3	↓	↓
11:09	1.0	5.8	.20	6.46	4.45	20.94	200	.16	15.5		

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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 11:09	SAMPLING ENDED AT: 11:15				
PUMP OR TUBING DEPTH IN WELL (feet): 26.9	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N	FILTER SIZE: _____ $\mu\text{m}$				
Filtration Equipment Type: _____		DUPLICATE: Y N					
FIELD DECONTAMINATION: PUMP Y N Dedicated		TUBING Y N Dedicated					
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			

**SEE COC FOR ANALYSIS**

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	<b>SELF</b>	SITE LOCATION:
WELL NO:	<b>TH-70A</b>	SAMPLE ID: <b>TH-70A</b>
		DATE: <b>2/26/16</b>

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>22.34</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY  
(only fill out if applicable)

$$= (36.58 \text{ feet} - 22.34 \text{ feet}) \times .16 \text{ gallons/foot} = 2.28 \text{ gallons}$$

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

$$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$$

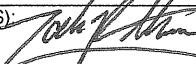
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>21.34</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>21.34</b>	PURGING INITIATED AT: <b>12:33</b>	PURGING ENDED AT: <b>13:08</b>	TOTAL VOLUME PURGED (gallons): <b>2.28</b>
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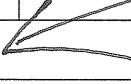
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\text{mg/L}$ or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
12:56	2.30	2.30	.10	20.69	6.37	25.43	715	.08	12.66	none	none
13:08	.60	2.90	.10	20.66	6.37	25.43	715	.08	14.2	✓	✓
13:08	.60	3.50	.10	20.69	6.36	25.40	712	.11	10.10	✓	✓

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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: <b>13:08</b>	SAMPLING ENDED AT: <b>13:14</b>						
PUMP OR TUBING DEPTH IN WELL (feet): <b>21.34</b>	TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: <b>Y</b> <b>N</b> Filtration Equipment Type:	FILTER SIZE: _____ $\mu\text{m}$						
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b> <b>Dedicated</b>	TUBING <b>Y</b> <b>N</b> <b>Dedicated</b>	DUPLICATE: <b>Y</b> <b>N</b>							
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)

**SEE COC FOR ANALYSIS** 

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

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

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

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2 \text{ mg/L}$  or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20 \text{ NTU}$ ; optionally  $\pm 5 \text{ NTU}$  or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: <b>SELF</b>	SITE LOCATION:
WELL NO: <b>TH-69A</b>	SAMPLE ID: <b>TH-69A</b>
DATE: <b>2/26/16</b>	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>3/8</b>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <b>24.64</b>	PURGE PUMP TYPE OR BAILER: <b>BP</b>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
= <b>35.0</b> feet - <b>24.64</b> feet X <b>.16</b> gallons/foot = <b>1.66</b> 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): <b>34.0</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>34.0</b>	PURGING INITIATED AT: <b>11:50</b>	PURGING ENDED AT: <b>12:17</b>	TOTAL VOLUME PURGED (gallons): <b>2.70</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUS)	COLOR (describe)	ODOR (describe)
12:07	<b>1.70</b>	<b>1.70</b>	<b>.16</b>	<b>24.91</b>	<b>6.06</b>	<b>24.90</b>	<b>590</b>	<b>.50</b>	<b>11.11</b>	<b>None</b>	<b>None</b>
12:12	<b>.50</b>	<b>2.20</b>	<b>.10</b>	<b>24.91</b>	<b>6.06</b>	<b>24.84</b>	<b>590</b>	<b>.37</b>	<b>10.56</b>	<b>↓</b>	<b>↓</b>
12:17	<b>.50</b>	<b>2.70</b>	<b>.10</b>	<b>24.91</b>	<b>6.06</b>	<b>24.84</b>	<b>590</b>	<b>.33</b>	<b>9.80</b>		
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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>	SAMPLING INITIATED AT: <b>12:17</b>	SAMPLING ENDED AT: <b>12:23</b>						
PUMP OR TUBING DEPTH IN WELL (feet): <b>34</b>	TUBING MATERIAL CODE: <b>T</b>	FIELD-FILTERED: <b>Y</b> <b>N</b>	FILTER SIZE: _____ $\mu\text{m}$						
FIELD DECONTAMINATION: PUMP <b>Y</b> <b>N</b>	Dedicated	TUBING <b>Y</b> <b>N</b>	Dedicated	DUPLICATE: <b>Y</b> <b>N</b>					
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION							
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
<b>SEE COC FOR ANALYSIS</b> ↴									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

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

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

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

Revision Date: February 2009

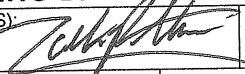
**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME: WELL NO:	SELF TH-64	SITE LOCATION: SAMPLE ID: TH-64	DATE: 2/26/16
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**PURGING DATA**

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.94	PURGE PUMP TYPE OR BAILER: BP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( 23.18 feet - 15.94 feet ) X .16 gallons/foot = 1.16 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22.18	PURGING INITIATED AT: 11:11	PURGING ENDED AT: 11:29	TOTAL VOLUME PURGED (gallons): 1.80							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) umhos/cm or $\mu$ s/cm	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:23	1.20	1.20	.10	16.78	4.69	25.41	327	.30	14.4	None	none
11:26	.30	1.50	.10	16.78	4.71	25.44	322	.31	14.3	↓	↓
11:29	.30	1.80	.10	16.78	4.76	25.49	315	.24	12.7		
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: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 11:29	SAMPLING ENDED AT: 11:35				
PUMP OR TUBING DEPTH IN WELL (feet): 22.18	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: _____ $\mu$ m				
FIELD DECONTAMINATION: PUMP Y N Dedicated	TUBING Y N Dedicated	DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED			

**SEE COC FOR ANALYSIS**

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

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

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

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

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

Revision Date: February 2009

**Form FD 9000-24**  
**GROUNDWATER SAMPLING LOG**

SITE NAME:	SELF			SITE LOCATION:								
WELL NO:	TH-68		SAMPLE ID:	TH-68			DATE:		2/26/16			
<b>PURGING DATA</b>												
WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH:	— feet to — feet	STATIC DEPTH TO WATER (feet):	15.68	PURGE PUMP TYPE OR BAILER:	BP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)												
= (22.20 feet - 15.68 feet) X .16 gallons/foot = 1.05 gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		21.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet):		21.2	PURGING INITIATED AT:	10:29	PURGING ENDED AT:	11:46	TOTAL VOLUME PURGED (gallons): 1.70		
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
10:40	1.10	1.10	.10	32.34	5.70	25.09	210	.81	.20	NONE	NONE	
10:43	.30	1.40	.10	32.31	5.68	25.13	215	.71	.86			
10:46	.30	1.70	.10	32.34	5.68	25.12	210	.83	1.03	↓	↓	

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 notes)

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

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME:	SELF	SITE LOCATION:	<i>pH Per Client 3/6/16</i>	
WELL NO:	TH-36A <i>W/ Client SIN</i>	SAMPLE ID:	TH- <del>36</del> 36A	DATE: 2/26/16

**PURGING DATA**

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	31.89	PURGE PUMP TYPE OR BAILER: BP						
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (38.70 \text{ feet} - 31.89 \text{ feet}) \times .16 \text{ gallons/foot} = 1.09 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	30.98	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	30.98	PURGING INITIATED AT: 9:56	PURGING ENDED AT: 10:13 TOTAL VOLUME PURGED (gallons): 1.70						
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μSi/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:07	1.10	1.10	.10	32.34	5.70	25.3	210	.81	.76	None	None
10:10	.30	1.40	.10	32.34	5.67	25.13	212	.71	.84	<i>✓</i>	<i>✓</i>
10:13	.30	1.70	.10	32.34	5.68	25.03	210	.83	1.03	<i>✓</i>	<i>✓</i>

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

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

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>	SAMPLING INITIATED AT: 10:13	SAMPLING ENDED AT: 10:18						
PUMP OR TUBING DEPTH IN WELL (feet): 30.98	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <i>N</i>	FILTER SIZE: <i>_____</i> μm Filtration Equipment Type:						
FIELD DECONTAMINATION: PUMP Y N <i>Dedicated</i>	TUBING Y N <i>Dedicated</i>	DUPLICATE: Y <i>N</i>							
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)

**SEE COC FOR ANALYSIS**

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

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

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

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

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

Revision Date: February 2009

Form FD 9000-24  
GROUNDWATER SAMPLING LOG

SITE NAME: WELL NO:	SELF FIELD BLANK	SITE LOCATION: SAMPLE ID:	DATE:
		FIELD BLANK	2/22/10

**PURGING DATA**

WELL DIAMETER (inches): <i>N/A</i>	TUBING DIAMETER (inches): <i>N/A</i>	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): <i>N/A</i>	PURGE PUMP TYPE OR BAILER: <i>N/A</i>							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (\text{feet} - \text{feet}) \times \frac{\text{gallons}}{\text{feet}} = \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
$= \text{gallons} + (\frac{\text{gallons}}{\text{feet}} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	PURGING INITIATED AT: <i>N/A</i>	PURGING ENDED AT: <i>N/A</i>	TOTAL VOLUME PURGED (gallons): <i>N/A</i>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos}/\text{cm}$ or $\mu\text{S}/\text{cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
<i>FIELD BLANK</i>											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: ANDREW BALLOON / ZACK PATTERSON	SAMPLER(S) SIGNATURE(S): <i>Zack Patterson</i>	SAMPLING INITIATED AT: 10:05	SAMPLING ENDED AT: 10:10						
PUMP OR TUBING DEPTH IN WELL (feet): <i>N/A</i>	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y <i>N</i>	FILTER SIZE: _____ $\mu\text{m}$						
FIELD DECONTAMINATION: PUMP <i>Y</i> <i>N</i> Dedicated	TUBING <i>Y</i> <i>N</i> Dedicated	DUPLICATE: Y <i>N</i>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<i>FIELD BLANK</i>									

**SEE COC FOR ANALYSIS**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

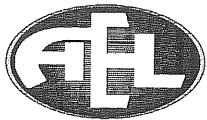
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

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

pH:  $\pm 0.2$  units Temperature:  $\pm 0.2^\circ\text{C}$  Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2);

optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  NTU or  $\pm 10\%$  (whichever is greater)

Revision Date: February 2009



# Advanced Environmental Laboratories, Inc.

6601 Southpoint Parkway  
Jacksonville, Florida 32216  
(904) 363-9350  
FAX (904) 363-9354

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QCBatch: WCAt:1757  
Method: SM4500-CL-E  
PrepMethod:

## I. RECEIPT

No Exceptions were encountered.

## II. HOLDING TIMES

Preparation: All holding times were met.  
Analysis: All holding times were met.

## III. PREPARATION

Sample preparation proceeded normally.

## VI. 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 recovery of Chloride (90-110%) for T1602482018 is 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 Dilution: All acceptance criteria were met.
- F. Samples: All acceptance criteria were met.
- G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:



# Advanced Environmental Laboratories, Inc.

6601 Southpoint Parkway  
Jacksonville, Florida 32216  
(904) 363-9350  
FAX (904) 363-9354

QCBatch: WCAt:1826

Method: EPA 350.1

PrepMethod:

## I. RECEIPT

No Exceptions were encountered.

## II. HOLDING TIMES

Preparation: All holding times were met.

Analysis: All holding times were met.

## III. PREPARATION

Sample preparation proceeded normally.

## VI. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recoveries of Ammonia for T1602556001 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference. (MS 136% & MSD 134%. Acceptance Criteria 90-110%)

E. Serial Dilution: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:



**Advanced  
Environmental Laboratories, Inc.**

6601 Southpoint Parkway  
Jacksonville, Florida 32216  
(904) 363-9350  
FAX (904) 363-9354

---

QCBatch: CVAt:1028  
Method: 7470  
PrepMethod: 7470

#### I. RECEIPT

No Exceptions were encountered.

#### II. HOLDING TIMES

Preparation: All holding times were met.  
Analysis: All holding times were met.

#### III. PREPARATION

Sample preparation proceeded normally.

#### VI. ANALYSIS

A. Calibration: All acceptance criteria were met.  
B. Blanks: All acceptance criteria were met.  
C. Duplicates: All acceptance criteria were met.  
D. Spikes: The matrix spike recoveries of Hg for T1602482030 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.  
E. Serial Dilution: All acceptance criteria were met.  
F. Samples: Sample analyses proceeded normally.  
G. Other:

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I certify that this data package is in compliance with the terms and conditions agreed to by Advanced Environmental Laboratories, Inc. and by the client, both technically and for completeness, except for the conditions detailed above. The Technical Director or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette: